Rec'd and filed Nov. 19 1917
G. L. Shumway Corr.
By Robert Murray
Statistician

4—679

B.

FIELD NOTES

~~OF THE SURVEY OF THE~~

RETRACEMENT RESURVEY

of the

EXTERIOR LINES

of

TOWNSHIPS 21 TO 24 NORTH,

RANGES 26 TO 30 WEST

Of the Sixth Principal *Meridian,*

In the State of Nebraska.

EXECUTED BY

D. A. Nippell, U.S.Transitman,

In the capacity of U. S. Surveyor, *under instructions dated* May 1, 1912, and June 13th, *1913*, *issued by* ~~the United States Surveyor General~~ N.B.Sweitzer, Asst.Supervisor of Surveys, *to govern* re *surveys included in Group No.* Three, *which were approved by the Commissioner of the General Land Office,* August 20th, 1912 and, *1913*, pursuant to authority contained in Act of Congress of March 3, 1909 (35 Stats.,845) amended by joint resolution of June 25, 1910 (36 Stats.,884).

Re *Survey* ~~commenced~~ period November 4-27, *1912*

Re *Survey* ~~completed~~ period June 30-November 1, *1913*

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Authorized by letters of Commissioner, "E" JSW 211206, February 17, 1912 and "E" CLDB 333650, June 17, 1913.

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INDEX DIAGRAM.

Township ....., *Range* .....

6	5	4	3	2	1
7	8	9	10	11	12
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19	20	21	22	23	24
30	29	28	27	26	25
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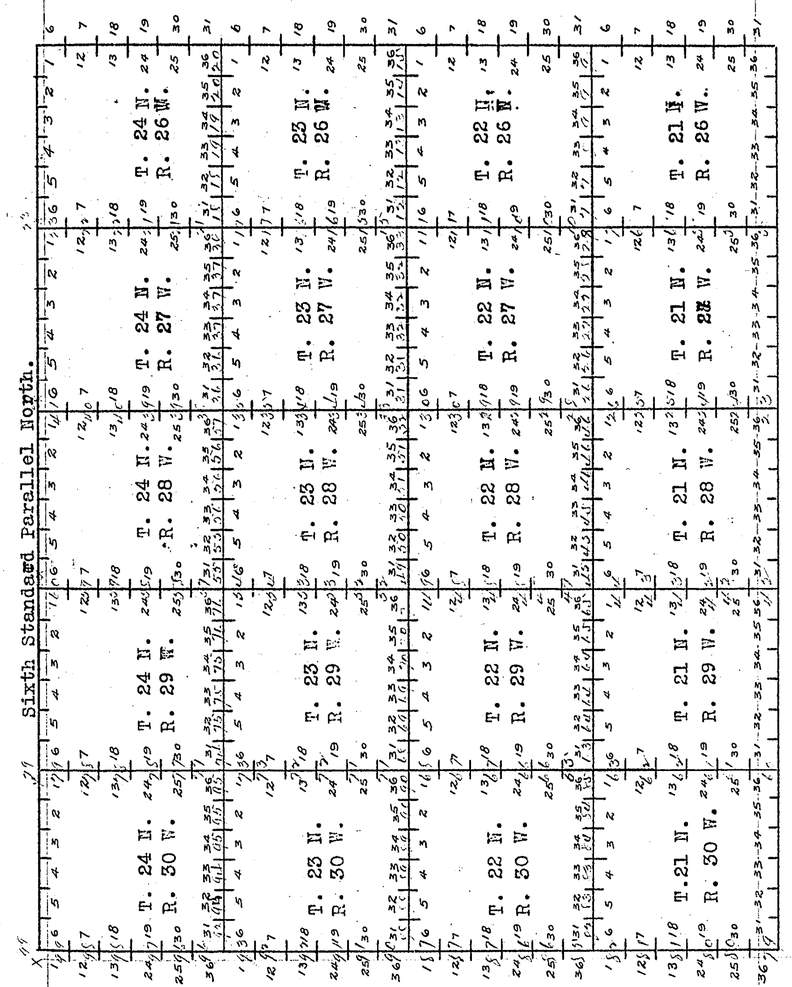
INDEX DIAGRAM



Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

Survey commenced November 4, 1912, and executed with a Young & Son's solar transit No. 8493, the horizontal limb of which is provided with two verniers placed opposite each other reading to single minutes of arc, which is also the least count of the latitude and declination arcs of the solar attachment.

This instrument was examined and approved by the Assistant Supervisor of Surveys for District No. 3 at Neligh, Nebraska, and, prior to the commencement of this work, all adjustments of the transit were tested and existing errors corrected. The tape was compared at frequent intervals with a standard furnished by the Commissioner of the General Land Office.

All lines, when necessary, were double back and fore sight transit lines, run as rhumb lines on the ground by correcting the tangent with offsets as indicated in the table for the latitude of these townships, thus giving all lines their true bearings throughout. All lines were double-taped, the mean of the two measurements used for proportioning corners and the mean length recorded as the true distance between original corners. Search was made for evidences of the original survey. All corners found, which were built by the original surveyor, were restored in their original positions and the lost corners were located by proportional measurement, based upon the original plats and field notes, which determined their true courses and distances. Temporary lines and preliminary calculations have been omitted for brevity and clarification; and the actual courses and distances recorded as the true azimuths and measurements of this survey. This simplifies the records, gives each section its true proportional measurements without carrying any accumulative excess or deficiency into any portion of this region, and obviates ambiguity for the land owner who is the one primarily concerned.

In writing the field notes, I commence at the southwest corner of T. 21 N., R. 26 W. and run my lines northward and eastward, as did the original surveyor. This fulfills the mandates of the courts, which prescribe the following of the footsteps of the original surveyor.

Upon initiating this survey, I turn a line from the 6th St. Par. N. and run my line southward along the west boundary of Ts. 21 to 24 N., R. 30 W.; I also turn my line from the east boundary of Ts. 21 to 24 N., R. 26 W. and run my lines through this area, checking my lines at all points of intersection with lines previously established and by the various observations on Polaris given in these field notes, and find at no place any appreciable error.

Retracement resurvey,
Exterior lines of Townships 21-24 North, Ranges 26-30 West, Nebr.

Chains.

I commence the retracement resurvey of the exterior lines of Ts. 21 to 24 N., Rs. 26 to 30 W. at the restored St. cor. of T. 21 N., Rs. 26 and 27 W. on the 5th St. Par. N., turning a line from that standard.
Resurvey commenced November 4, 1912.

From this St. Tp. cor., I run
N. 0°1' W., bet. secs. 31 and 36.
Over high broken hills.

39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 31 and 36.

79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 27 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 25 and 30.
Over high broken hills.

39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 25 and 30.

79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 27 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 19 and 24.
Over high broken hills.

39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West, Nebr.

Chains.

51.73 Descend over bluffs of Dismal River.
54.95 Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course East.
57.91 Left bank of Dismal River.
Ascend over bluffs of Dismal River.
72.23 Top of ascent; thence over high broken hills.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 27 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 13 and 18.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 27 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 7 and 12.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 27 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 1 and 6.
Over high broken hills.
39.89 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
79.78 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of Ts. 21 and 22 N., Rs. 26 and 27 W., and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 31 in NE.,
R 26 W S 6 in SE.,
R 27 W S 1 in SW.,
R 27 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 26 W.

From this Tp. cor., I run
S. 89°53' E., bet. secs. 6 and 31.
Over high broken hills.
40.52 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
80.11 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 26 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 5 and 32.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins.,

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West, Nebr.

Chains.

51.73 Descend over bluffs of Dismal River.
54.95 Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course East.
57.91 Left bank of Dismal River.
Ascend over bluffs of Dismal River.
72.23 Top of ascent; thence over high broken hills.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins. for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 27 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 13 and 18.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 27 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 7 and 12.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 21 N on N. edge,
R 26 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 27 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' W., bet. secs. 1 and 6.
Over high broken hills.
39.89 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
79.78 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of Ts. 21 and 22 N., Rs. 26 and 27 W., and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 31 in NE.,
R 26 W S 6 in SE.,
R 27 W S 1 in SW.,
R 27 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 26 W.

From this Tp. cor., I run
S. 89°53' E., bet. secs. 6 and 31.
Over high broken hills.
40.52 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
80.11 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 26 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 5 and 32.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins.,

Chains.

E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 26 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 21 N S 5 in SW., and
T 22 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 4 and 33.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

September 4, 1913: I check my line with the following observation on Polaris at eastern elongation:
Lat.(approx.)= 41°50'.0 N. Long.(approx.)= 100°20'.0 W.
Observation taken at the 1/4 sec. cor. bet. secs. 4 and 33, Ts. 21 and 22 N., R. 26 W., Sept. 4, 1913. D. A. Nippell, observer.

Mark, about 20 chains eastward on knoll. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 30s fast.

	Angle, star to mark		Watch time
Direct	88 34'.0	right of star	9h17m30s p.m.
Direct	88 34 0		9 19 15
Reverse	88 34 0		9 22 00
Reverse	88 34 0		9 23 30
Mean angle and time	88°34'.0		9h20m34s p.m.
Watch correction			- 0 30
Longitude correction			- 41 20
L.m.t.observation, Sept. 4			8h38m44s p.m.
Azimuth of Polaris at observation			N. 1°33'.2 E.
Mean angle, star to mark			88°34'.0
Azimuth of Polaris			1 33 2
Bearing of observation line			S. 89 52'.8 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

As my line and course check within 0'.2, I assume that my line is satisfactorily established.

I continue on my line bet. secs. 4 and 33.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 26 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 21 N S 4 in SW., and
T 22 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd rate.
No timber.

Chains.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 3 and 34.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 26 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 21 N S 3 in SW., and
T 22 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 2 and 35.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 26 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 21 N S 2 in SW., and
T 22 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 1 and 36.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.

79.18 Intersect the restored cor. of Ts. 21 and 22 N., Rs. 25 and 26 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

RANGE LINE BETWEEN RANGES 26 AND 27 W., T. 22 N.

From the cor. of Ts. 21 and 22 N., Rs. 26 and 27 W., prev. described, I run
N. 0°46' W., bet. secs. 31 and 36.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 27 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°46' W., bet. secs. 25 and 30.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 27 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°46' W., bet. secs. 19 and 24.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base,

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8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 27 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°46' W., bet. secs. 13 and 18.
Over high broken hills.
14.20 Enter rolling valley.
29.20 Leave valley; thence over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 27 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°46' W., bet. secs. 7 and 12.
Over high broken hills.
39.88 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.
79.76 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 22 N on N. edge,
R 26 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 27 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°46' W., bet. secs. 1 and 6.

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Over high broken hills.

39.89 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 6 on E., and

S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

79.78 Intersect the original cor. of Ts. 22 and 23 N., Rs. 26 and 27 W.; no evidence above ground; remove sod and find outlines of original pits, 32x32 ins., in each sec., 9 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 22 and 23 N., Rs. 26 and 27 W., and mark on top of brass cap,

T 23 N on N. edge,
R 26 W S 31 in NE.,
R 26 W S 6 in SE.,
R 27 W S 1 in SW.,
R 27 W S 36 in NW., quadrant, and
T 22 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 22 AND 23 N., R. 26 W.

From this Tp. cor., I run
N. 89°49' E., bet. secs. 6 and 31.
Over high broken hills.

41.22 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 31 1/4 on N., and

S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

82.44 Intersect the original cor. of secs. 5, 6, 31 and 32; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,

R 26 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 22 N S 6 in SW., and
T 23 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°53' E., bet. secs. 5 and 32.
Over high broken hills.

39.95 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 32 1/4 on N., and

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S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 5 and 32.

79.91 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,

R 26 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 22 N S 5 in SW., and
T 23 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 4 and 33.
Over high broken hills.

4.70 Enter rolling valley.

39.95 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 33 1/4 on N., and

S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 4 and 33.

79.91 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,

R 26 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 22 N S 4 in SW., and
T 23 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
S. 89°53' E., bet. secs. 3 and 34.
Over rolling valley.

9.06 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course SE.

13.07 Left bank of Middle Loup River; thence across rolling valley.

15.37 Center of C B & Q R.R. Co. track, bears NW. and SE.

18.00 Leave valley; thence over rolling hills.

39.96 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 34 1/4 on N., and

S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°52' E., bet. secs. 3 and 34.
Over rolling hills.

13.00 Enter rolling valley.

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32.00 Leave valley; thence over rolling hills.

40.19 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 26 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 22 N S 3 in SW., and
T 23 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
N. 89°52' E., bet. secs. 2 and 35.
Over rolling hills.

24.00 Enter rolling valley.

40.19 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

June 30, 1913: I check my line with the following observation on Polaris at eastern elongation:
Lat.(approx.)= 41°55'.0 N. Long.(approx.)= 100°18'.0 W.
Observation taken at the 1/4 cor. bet. secs. 2 and 35, Ts. 22 & 23 N., R. 26 W., June 30,1912. D.A.Nippell,observer.
Mark, about 20 chains eastward on knoll. Atmosphere, clear; no haze, no wind.
Watch, 90th meridian time; checked with W.U.Telegraph time and found to be correct.

	Angle, star to mark	Watch time
Direct	88 34'.0 right of star	$1^h38^m00^s$ p.m.
Direct	88 34 0	1 39 45
Reversed	88 34 0	1 42 00
Reversed	88 34 0	1 44 00
Mean angle and time	88°34'.0	$1^h40^m56^s$ a.m.
Longitude correction		- 0 41 12
L.m.t.observation, June 30		$0^h59^m44^s$ a.m.
Azimuth of Polaris at observation		N. 1°33'.6 E.
Mean angle, star to mark		88 34 0
Bearing of observation line		S. 89°52'.4 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.
As my observation line and course differ but 0'.4, I assume that my courses are satisfactorily established.

From this 1/4 sec. cor., I run
S. 89°20' E., bet. secs. 2 and 35.

15.00 Leave valley; thence over rolling hills.

40.25 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 26 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 22 N S 2 in SW., and

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T 23 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 89°53' E., bet. secs. 1 and 36.
Over rolling hills.

40.15 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 36.

65.00 Enter level valley.

80.30 Intersect the restored cor. of Ts. 22 and 23 N., Rs. 25 and 26 W., prev. described.

Land, rolling hills and level valley.
Soil, sandy and sandy loam; 2nd and 3rd rate.
No timber.

RANGE LINE BETWEEN RS. 26 AND 27 W., T. 23 N.

From the cor. of Ts. 22 and 23 N., Rs. 26 and 27 W., prev. described, I run
N. 0°37' W., bet. secs. 31 and 36.
Over high broken hills.

40.55 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 31 and 36.

42.00 Enter rolling valley.

68.43 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course SE.

72.70 Left bank of Middle Loup River; thence over rolling valley.

79.30 Wagon road between Thedford and Halsey, Nebr., bears NW. and SE.

80.50 Center of C B & Q R.R. track, bears NW. and SE.

81.11 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 23 N on N. edge,
R 26 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 27 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°58' W., bet. secs. 25 and 30.
Over rolling hills.

3.00 Leave valley; thence over high rolling hills.

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40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.

80.01 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 23 N on N. edge,
R 26 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 27 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°58' W., bet. secs. 19 and 24.
Over high rolling hills.

40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.

80.01 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 23 N on N. edge,
R 26 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 27 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°58' W., bet. secs. 13 and 18.
Over high rolling hills.

40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.

80.01 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,

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T 23 N on N. edge,
R 26 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 27 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°20' E., bet. secs. 7 and 12.
Over high rolling hills.

30.20 Enter rolling valley.

40.12 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.

44.80 Leave valley; thence over rolling hills.

80.25 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 23 N on N. edge,
R 26 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 27 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills, rolling valley and rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°20' E., bet. secs. 1 and 6.
Over rolling hills.

40.12 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.

75.00 Enter rolling valley.

80.25 Intersect the original cor. of Ts. 23 and 24 N., Rs. 26 and 27 W.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., in each sec., 10 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 23 and 24 N., Rs. 26 and 27 W., and mark on top of brass cap,
T 24 N on N. edge,
R 26 W S 31 in NE.,
R 26 W S 6 in SE.,
R 27 W S 1 in SW.,
R 27 W S 36 in NW., quadrant, and
T 23 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
September 25, 1913: I check my line with the following observation on Polaris at eastern elongation:

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

Lat.(approx.)= 42°00'.0 N. Long.(approx.)= 100°23'.0 W.
Observation taken at the cor. of Ts. 23 and 24 N., Rs. 26 and 27 W., Sept. 25, 1913. D.A.Nippell, observer.
Mark, about 20 chains southward on knoll on line. Atmosphere, clear; no haze, no wind.
Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 35s fast.

	Angle, star to mark	Watch time
Direct	178°47'.0 right of star	7h58m30s p.m.
Direct	178 47 0	8 01 15
Reverse	178 47 0	8 04 45
Reverse	178 47 0	8 07 00
Mean angle and time	178°47'.0	8h02m52s p.m.
Watch correction		- 0 0 35
Longitude correction		- 0 41 32
L.m.t.observation, Sept.25		7h20m45s p.m.
Azimuth of Polaris at observation		N. 1°33'.3 E.
Mean angle, star to mark		178 47 0
Bearing of observation line		S. 0°20'.3 W.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.
As my observation checks my course within 0'.3, I assume that my courses are satisfactorily established.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 23 AND 24 N., R. 26 W.

From this Tp. cor., I run
S. 88°56' E., bet. secs. 6 and 31.
Over rolling valley.
10.00 Leave valley; thence over rolling hills.
38.68 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
79.36 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 26 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 23 N S 6 in SW., and
T 24 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
S. 88°56' E., bet. secs. 5 and 32.
Over rolling hills.
40.70 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
79.00 Enter rolling valley.
81.40 Intersect the original cor. of secs. 4, 5, 32 and 33; no

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evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 26 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 23 N S 5 in SW., and
T 24 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 89°56' E., bet. secs. 4 and 33.
Over rolling valley.
40.26 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
44.00 Leave valley; ascend over steep slope to SW.
61.30 Top of ascent; thence over rolling hills.
80.53 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 26 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 23 N S 4 in SW., and
T 24 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley and rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
N. 89°56' E., bet. secs. 3 and 34.
Over rolling hills.
23.50 Enter rolling valley.
33.50 Leave valley; thence over rolling hills.
40.26 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.
80.53 Intersect the original cor. of secs. 2, 3, 34 and 35; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 26 W on N. edge,
S 35 in NE.,
S 2 in SE.,

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T 23 N S 3 in SW., and
T 24 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 89°55' E., bet. secs. 2 and 35.
Over rolling hills.
39.88 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°49' E., bet. secs. 2 and 35.
40.12 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 26 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 23 N S 2 in SW., and
T 24 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°52' E., bet. secs. 1 and 36.
Over rolling hills.
40.14 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°52' E., bet. secs. 1 and 36.
Over rolling and low broken hills.
40.26 Intersect the restored cor. of Ts. 23 and 24 N., Rs. 25 and 26 W., prev. described.
Land, rolling and low broken hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

RANGE LINE BETWEEN RS. 26 AND 27 W., T. 24 N.

From the cor. of Ts. 23 and 24 N., Rs. 26 and 27 W., prev. described, I run

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N. 1°13' W., bet. secs. 31 and 36.
Over rolling valley.
27.20 Leave valley; thence over high rolling hills.
39.28 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
78.56 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 24 N on N. edge,
R 26 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 27 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°2' W., bet. secs. 25 and 30.
Over high rolling hills.
39.62 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°4' W., bet. secs. 25 and 30.
40.23 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 24 N on N. edge,
R 26 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 27 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°8' E., bet. secs. 19 and 24.
Over high rolling hills.
40.15 Intersect the original 1/4 sec. cor.; no evidence above

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39.96 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.

79.92 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 21 N on N. edge,
R 27 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 28 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' E., bet. secs. 25 and 30.
Over high broken hills.

39.96 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.

61.50 Descend over abrupt bluffs of Dismal River.

79.92 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 21 N on N. edge,
R 27 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 28 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°16' E., bet. secs. 19 and 24.
Descending over abrupt bluffs of Dismal River.

16.30 Foot of descent; thence over rolling valley.

29.20 Enter marsh, 2 ft. deep.

30.80 Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course NE.

31.30 Left bank of Dismal River, 3 ft. deep; thence ascend over abrupt bluffs of Dismal River.

39.87 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

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S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°1' E., bet. secs. 19 and 24.

3.70 Top of abrupt ascent; thence over gradual ascent.

37.47 Top of ascent; thence over high broken hills.

39.97 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 27 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 28 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' E., bet. secs. 13 and 18.
Over high broken hills.

39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.

79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 27 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 28 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' E., bet. secs. 7 and 12.
Over high broken hills.

39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.

79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 21 N on N. edge,
R 27 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and

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R 28 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°1' E., bet. secs. 1 and 6.
Over high broken hills.
21.50 Enter rolling valley.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
65.50 Leave valley; thence over high broken hills.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of Ts. 21 and 22 N., Rs. 27 and 28 W., and mark on top of brass cap,
T 22 N on N. edge,
R 27 W S 31 in NE.,
R 27 W S 6 in SE.,
R 28 W S 1 in SW.,
R 28 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 27 W.

From this Tp. cor., I run
S. 89°57' E., bet. secs. 6 and 31.
Over high broken hills.
39.76 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
79.35 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 27 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°57' E., bet. secs. 5 and 32.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long,

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1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
62.40 Enter rolling valley.
75.00 Leave valley; thence over high broken hills.
79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 27 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 21 N S 5 in SW., and
T 22 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°57' E., bet. secs. 4 and 33.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 27 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 21 N S 4 in SW., and
T 22 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°57' E., bet. secs. 3 and 34.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.
79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 27 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 21 N S 3 in SW., and

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T 22 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°57' E., bet. secs. 2 and 35.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 27 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 21 N S 2 in SW., and
T 22 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°57' E., bet. secs. 1 and 36.
Over high broken hills.
39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.
79.18 Intersect the reestablished cor. of Ts. 21 and 22 N., Rs. 26 and 27 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 27 AND 28 W., T. 22 N.

From the cor. of Ts. 21 and 22 N., Rs. 27 and 28 W., prev. described, I run
N. 1°53' W., bet. secs. 31 and 36.
Over high broken hills.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 22 N on N. edge,

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R 27 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 28 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°53' W., bet. secs. 25 and 30.
Over high broken hills.
23.00 Enter rolling valley.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.
61.00 Leave valley; thence over high broken hills.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 22 N on N. edge,
R 27 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 28 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°53' W., bet. secs. 19 and 24.
Over high broken hills.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 22 N on N. edge,
R 27 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 28 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°53' W., bet. secs. 13 and 18.
Over high broken hills.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and

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mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
56.30 Enter rolling valley.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 22 N on N. edge,
R 27 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 28 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°53' W., bet. secs. 7 and 12.
Over rolling valley.
3.00 Leave valley; thence over high broken hills.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.
79.94 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 22 N on N. edge,
R 27 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 28 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°53' W., bet. secs. 1 and 6.
Over high broken hills.
39.97 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
79.94 Intersect the original cor. of Ts. 22 and 23 N., Rs. 27 and 28 W.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., in each sec., 10 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 22 and 23 N., Rs. 27 and 28 W., and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 31 in NE.,

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R 27 W S 6 in SE.,
R 28 W S 1 in SW.,
R 28 W S 36 in NW., quadrant, and
T 22 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 22 AND 23 N., R. 27 W.

From this Tp. cor., I run
S. 89°57' E., bet. secs. 6 and 31.
Over high broken hills.
40.83 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
80.59 Intersect the original cor. of secs. 5, 6, 31 and 32; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 27 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 22 N S 6 in SW., and
T 23 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°49' E., bet. secs. 5 and 32.
Over high broken hills.
40.62 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
81.25 Intersect the original cor. of secs. 4, 5, 32 and 33; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 27 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 22 N S 5 in SW., and
T 23 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.

Chains.

Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°47' E., bet. secs. 4 and 33.
Over high broken hills.

40.30 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.

80.60 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 27 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 22 N S 4 in SW., and
T 23 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°52' E., bet. secs. 3 and 34.
Over high broken hills.

40.34 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, aroundccor.
I continue on my line bet. secs. 3 and 34.

80.69 Intersect the original cor. of secs. 2, 3, 34 and 35; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 27 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 22 N S 3 in SW., and
T 23 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°51' E., bet. secs. 2 and 35.
Over high broken hills.

40.36 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

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S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.

41.00 Enter rolling valley.
53.20 Leave valley; thence over high broken hills.

80.73 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 27 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 22 N S 2 in SW., and
T 23 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°48' E., bet. secs. 1 and 36.
Over high broken hills.

40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.

80.17 Intersect the restored cor. of Ts. 22 and 23 N., Rs. 26 and 27 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 27 AND 28 W., T. 23 N.

From the cor. of Ts. 22 and 23 N., Rs. 27 and 28 W., prev. described, I run
N. 0°14' W., bet. secs. 31 and 36.
Over high broken hills.

39.86 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.

79.73 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 28 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.

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No timber.

From this sec. cor., I continue
N. 0°14' W., bet. secs. 25 and 30.
Over high broken hills.

39.86 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 25 and 30.

79.73 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 28 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°14' W., bet. secs. 19 and 24.
Over high broken hills.

39.86 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

79.73 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 28 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°14' W., bet. secs. 13 and 18.
Over high broken hills.

39.86 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

79.00 Enter gently rolling valley.

79.73 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist.

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from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 28 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°16' W., bet. secs. 7 and 12.
Over gently rolling valley.

20.59 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course East.

21.55 Left bank of Middle Loup River; thence across gently rolling valley.

23.90 Leave valley; thence over high rolling hills.

27.90 Center of C.B.& Q.R.R. track, bears East and West.

29.90 Wagon road bet. Thedford and Halsey, Nebr., bears East and West.

40.31 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 7 and 12.

80.63 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 23 N on N. edge,
R 27 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 28 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills and gently rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°16' W., bet. secs. 1 and 6.
Over high rolling hills.

40.31 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

80.63 Intersect the original cor. of Ts. 23 and 24 N., Rs. 27 and 28 W.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 8 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 23 and 24 N., Rs. 27 and 28 W., and mark on top of brass cap,
T 24 N on N. edge,

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R 27 W S 31 in NE.,
R 27 W S 6 in SE.,
R 28 W S 1 in SW.,
R 28 W S 36 in NW., quadrant, and
T 23 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 23 AND 24 N., R. 27 W.

From this Tp. cor., I run
N. 89°58' E., bet. secs. 6 and 31.
Over high rolling hills.
39.17 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
80.02 Intersect the original cor. of secs. 5, 6, 31 and 32; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 27 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 23 N S 6 in SW., and
T 24 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°56' E., bet. secs. 5 and 32.
Over high rolling hills.
40.35 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
80.70 Intersect the original cor. of secs. 4, 5, 32 and 33; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 27 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 23 N S 5 in SW., and
T 24 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Retracement resurvey,
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Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
East, bet. secs. 4 and 33.
Over high rolling hills.
40.09 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
80.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 27 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 23 N S 4 in SW., and
T 24 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
East, bet. secs. 3 and 34.
Over high rolling hills.
40.09 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.
80.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 27 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 23 N S 3 in SW., and
T 24 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
East, bet. secs. 2 and 35.
Over high rolling hills.
11.00 Enter rolling valley.
40.09 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
60.00 Leave valley; thence over rolling hills.

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80.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 27 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 23 N S 2 in SW., and
T 24 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley, rolling and high rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
East, bet. secs. 1 and 36.
Over rolling hills.

40.09 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.

77.00 Enter rolling valley.

80.18 Intersect the restored cor. of Ts. 23 and 24 N., Rs. 26 and 27 W., prev. described.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

RANGE LINE BETWEEN RS. 27 AND 28 W., T. 24 N.

From the cor. of Ts. 23 and 24 N., Rs. 27 and 28 W., prev. described, I run
N. 0°5' W., bet. secs. 31 and 36.
Over high rolling hills.

40.10 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
September 26, 1913: At this 1/4 sec. cor., I check my line with the following observation on Polaris at eastern elongation:
Lat.(approx.)= 42°00'.0 N. Long.(approx.)= 100°30'.0 W.
Observation taken at 1/4 sec. cor. bet. secs. 31 and 36, T. 24 N., Rs. 27 and 28 W., Sept. 26, 1913. D. A. Nippell, observer.

Mark, about 20 chains northward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 35s fast.

	Angle, star to mark	Watch time
Direct	1°39'.0	right of mark 7h53m30s p.m.
Direct	1 39 0	7 54 15
Reversed	1 39 0	7 56 30
Reversed	1 39 0	7 58 10
Mean angle and time	1°39'.0	7h55m36s
Watch correction		- 0 35
Longitude correction		- 42 00
L.m.t.observation, Sept.26		7h13m01s p.m.
Azimuth of Polaris at observation		N. 1°33'.6 E.

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Chains.

Mean angle, star to mark	1°39'.0
Azimuth of Polaris	1 33 6
Bearing of observation line	N. 0°05'.4 W.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

As my course and observation line differ but 0'.4, I assume that my courses are satisfactorily established.

From this 1/4 sec. cor., I run
N. 0°23' W., bet. secs. 31 and 36.

39.90 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 24 N on N. edge,
R 27 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 28 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°23' W., bet. secs. 25 and 30.
Over high rolling hills.

39.90 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°20' W., bet. secs. 25 and 30.

40.07 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 24 N on N. edge,
R 27 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 28 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°13' W., bet. secs. 19 and 24.
Over high rolling hills.

40.19 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and

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S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°18' W., bet. secs. 19 and 24.
40.26 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 24 N on N. edge,
R 27 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 28 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°26' W., bet. secs. 13 and 18.
Over high rolling hills.
40.27 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°5' W., bet. secs. 13 and 18.
36.00 Enter rolling valley.
40.06 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 24 N on N. edge,
R 27 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 28 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°9' W., bet. secs. 7 and 12.
Over rolling valley.
40.23 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

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S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°33' W., bet. secs. 7 and 12.
27.00 Leave valley; thence over high rolling hills.
40.38 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 24 N on N. edge,
R 27 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 28 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
~~Land, high~~ rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°14' W., bet. secs. 1 and 6.
Over high rolling hills.
40.37 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°14' W., bet. secs. 1 and 6.
35.77 Intersect the original closing cor. of Ts. 24 N., Rs. 27 and 28 W. on the 6th St. Par. N.; no evidence above ground; remove sod and find outlines of original pits, 32x32 ins., on each line, E. & W. 20 lks. apart and S. of point mid-distant on line bet. same, 8 lks. dist. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored closing cor. of Ts. 24 N., Rs. 27 and 28 W. on the 6th St. Par. N., and mark on top of brass cap,
R 27 W S 32 in NE.,
R 27 W S 6 in SE.,
R 28 W S 1 in SW.,
T 25 N S 31 in NW., quadrant,
T 24 N on S. edge, and
C C just below center of cap; showing by offset of quadrants the relative position of this closing cor. to the St. cor. of secs. 31 and 32; dig pits, 24x28x15 ins., crosswise on each line, E. & W. 10 ft., and S. of post, 12 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this closing cor., I run
S. 89°42' E., along the S. bdy. of sec. 31.
7.50 Intersect the restored St. cor. of secs. 31 and 32, prev.

Chains.

described.

RANGE LINE BETWEEN RS. 28 AND 29 W., T. 21 N.

From the restored St. cor. of T. 21 N., Rs. 28 and 29 W., on the 5th St. Par. N., prev. described, I run

N. 2°24' E., bet. secs. 31 and 36.
Over rolling valley.
3.00 Leave valley; thence over broken hills.
40.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
81.19 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 21 N on N. edge,
R 28 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 29 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley and broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue

N. 2°24' E., bet. secs. 25 and 30.
Over broken hills.
23.40 Enter rolling valley.
40.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.
67.30 Leave valley; thence over high broken hills.
81.19 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 21 N on N. edge,
R 28 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 29 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley, broken and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run

N. 0°6' W., bet. secs. 19 and 24.
Over high broken hills.
40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in comont baso, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.
80.17 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in comont base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 28 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 29 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue

N. 0°6' W., bet. secs. 13 and 18.
Over high broken hills.
40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
40.82 Descend over bluffs of Dismal River.
80.17 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 28 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 29 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and bluffs of Dismal River.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue

N. 0°6' W., bet. secs. 7 and 12.
Descending over bluffs of Dismal River.
5.97 Foot of descent; right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course East.
7.71 Left bank of Dismal River; thence over rolling valley.
8.00 Leave valley; thence over high broken hills.
40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
July 9, 1913: At this cor. I check my line with the following observation on Polaris at eastern elongation:
Lat.(approx.)= 41°48'.3 N. Long.(approx.)= 100°37'.0 W.
Observation taken at 1/4 sec. cor. bet. secs. 7 and 12, T. 21 N., Rs. 28 and 29 W., July 9, 1913. D. A. Nippell, observer.

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Mark, about 20 chains northward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 3^s fast.

	Angle, star to mark	Watch time
Direct	$1^\circ 39'.0$ left of star	$1^h 07^m 40^s$ a.m.
Direct	1 39 0	1 09 30
Reversed	1 39 0	1 11 25
Reversed	1 39 0	1 13 18
Mean angle and time	$1^\circ 39'.0$	$1^h 10^m 28^s$ a.m.
Watch correction		- 0 03
Longitude correction		- 42 28
L.m.t.observation, July 9		$0^h 27^m 57^s$ a.m.
Azimuth of Polaris at observation		N. $1^\circ 33'.4$ E.
Mean angle, star to mark		$1^\circ 39'.0$
Azimuth of Polaris		1 33 4
Bearing of observation line		N. $0^\circ 05'.6$ W.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

As my course and observation line differ but 0'.4, I assume that my courses are satisfactorily established.

I continue on my line bet. secs. 7 and 12.

80.17 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,

T 21 N on N. edge,
R 28 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 29 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley, bluffs of Dismal River and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. $0^\circ 25'$ E., bet. secs. 1 and 6.
Over high broken hills.

40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

80.16 Intersect the original cor. of Ts. 21 and 22 N., Rs. 28 and 29 W.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 21 and 22 N., Rs. 28 and 29 W., and mark on top of brass cap,

T 22 N on N. edge,
R 28 W S 31 in NE.,
R 28 W S 6 in SE.,
R 29 W S 1 in SW.,
R 29 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Chains.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 28 W.

From this Tp. cor., I run
S. $89^\circ 34'$ E., bet. secs. 6 and 31.
Over high broken hills.

34.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

73.59 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,

R 28 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. $89^\circ 34'$ E., bet. secs. 5 and 32.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 5 and 32.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,

R 28 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 21 N S 5 in SW., and
T 22 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. $89^\circ 34'$ E., bet. secs. 4 and 33.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

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Chains.

I continue on my line bet. secs. 4 and 33.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 28 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 21 N S 4 in SW., and
T 22 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°34' E., bet. secs. 3 and 34.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 3 and 34.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 28 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 21 N S 3 in SW., and
T 22 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°34' E., bet. secs. 2 and 35.
Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 2 and 35.

79.18 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 28 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 21 N S 2 in SW., and
T 22 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 89°34' E., bet. secs. 1 and 36.

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Chains.

Over high broken hills.

39.59 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 36.

79.18 Intersect the reestablished cor. of Ts. 21 and 22 N., Rs. 27 and 28 W., prev. described.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 28 AND 29 W., T. 22 N.

From the cor. of Ts. 21 and 22 N., Rs. 28 and 29 W., prev. described, I run
N. 3°51' W., bet. secs. 31 and 36.
Over high broken hills.

37.40 Enter rolling valley.

39.56 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 31 and 36.

76.90 Leave valley; thence over high broken hills.

79.12 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 22 N on N. edge,
R 28 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 29 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 3°51' W., bet. secs. 25 and 30.
Over high broken hills.

39.56 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 25 and 30.

79.12 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 22 N on N. edge,
R 28 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 29 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.

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Chains.

Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 3°51' W., bet. secs. 19 and 24.
Over high broken hills.

30.70 Enter rolling valley.

39.56 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

53.50 Leave valley; thence over high broken hills.

79.12 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 22 N on N. edge,
R 28 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 29 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 3°51' W., bet. secs. 13 and 18.
Over high broken hills.

39.56 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

79.12 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 22 N on N. edge,
R 28 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 29 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 3°51' W., bet. secs. 7 and 12.
Over high broken hills.

39.56 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 7 and 12.

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79.12 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 22 N on N. edge,
R 28 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 29 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 3°51' W., bet. secs. 1 and 6.
Over high broken hills.

39.57 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

79.15 Intersect the original cor. of Ts. 22 and 23 N., Rs. 28 and 29 W.; no evidence above ground; remove sod and find outlines of original pits, 32x32 ins., in each sec., 10 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 22 and 23 N., Rs. 28 and 29 W., and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 31 in NE.,
R 28 W S 6 in SE.,
R 29 W S 1 in SW.,
R 29 W S 36 in NW., quadrant, and
T 22 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 22 AND 23 N., R. 28 W.

From this Tp. cor., I run
N. 89°45' E., bet. secs. 6 and 31.
Over high broken hills.

34.73 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

75.65 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 28 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 22 N S 6 in SW., and
T 23 N S 31 in NW., quadrant of cap; dig pits,

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20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

July 16, 1913: At this cor. I check my line with the following observation on Polaris at eastern elongation:

Lat.(approx.)= 41°55'.0 N. Long.(approx.)= 100°36'.0 W.

Observation taken at cor. of secs. 5, 6, 31 and 32, Ts. 22 and 23 N., R. 28 W., July 16, 1913. D. A. Nippell, observer.

Mark, about 20 chains eastward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 5s fast.

	Angle, star to mark	Watch time
Direct	88°11'.0 right of star	12h35m00s p.m.
Direct	88 11 0	12 36 40
Reversed	88 11 0	12 38 55
Reversed	88 11 0	12 40 30
Mean angle and time	88°11'.0	12h37m46s p.m.
Watch correction		- 0 05
Longitude correction		- 0 42 24
L.m.t.observation, July 16		11h55m17s p.m.
Azimuth of Polaris at observation		N. 1°33'.6 E.
Mean angle, star to mark		88°11'.0
Azimuth of Polaris		1 33 6
Bearing of observation line		N. 89°44'.6 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

As my observation line and course check within 0'.4, I assume that my courses are satisfactorily established.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°45' E., bet. secs. 5 and 32.
Over high broken hills.

40.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 5 and 32.

81.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 28 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 22 N S 5 in SW., and
T 23 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°45' E., bet. secs. 4 and 33.
Over high broken hills.

40.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

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Chains.

I continue on my line bet. secs. 4 and 33.

81.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 28 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 22 N S 4 in SW., and
T 23 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°45' E., bet. secs. 3 and 34.
Over high broken hills.

40.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 3 and 34.

81.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 28 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 22 N S 3 in SW., and
T 23 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°45' E., bet. secs. 2 and 35.
Over high broken hills.

40.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 2 and 35.

81.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 28 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 22 N S 2 in SW., and
T 23 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°45' E., bet. secs. 1 and 36.

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Chains.

Over high broken hills.

40.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 36.

81.85 Intersect the restored cor. of Ts. 22 and 23 N., Rs. 27 and 28 W., prev. described.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 28 AND 29 W., T. 23 N.

From the cor. of Ts. 22 and 23 N., Rs. 28 and 29 W., prev. described, I run
N. 0°8' E., bet. secs. 31 and 36.
Over high rolling hills.

40.05 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 31 and 36.

80.11 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 29 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°12' E., bet. secs. 25 and 30.
Over high rolling hills.

40.20 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°20' E., bet. secs. 25 and 30.

40.19 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two

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feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 29 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°11' E., bet. secs. 19 and 24.
Over high rolling hills.

40.06 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

80.12 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 29 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°11' E., bet. secs. 13 and 18.
Over high rolling hills.

40.04 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

80.08 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 29 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

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This corner is at edge of wagon road bet. Seneca and Thedford, Nebr., which bears East and West.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°15' E., bet. secs. 7 and 12.
Over high rolling hills.

39.87 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.

42.90 Enter gently rolling valley.
46.98 Center of C.B.& Q. R.R. track, bears NW. and SE.
47.68 Enter marsh, 3 ft. deep;
57.38 Leave marsh; right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course SE.
59.48 Left bank of Middle Loup River; thence across gently rolling valley.
65.48 Leave valley; thence over high rolling hills.
79.75 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 23 N on N. edge,
R 28 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 29 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and gently rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°10' E., bet. secs. 1 and 6.
Over high rolling hills.

40.21 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°9' E., bet. secs. 1 and 6.

40.20 Intersect the original cor. of Ts. 23 and 24 N., Rs. 28 and 29 W.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., in each sec., 10 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 23 and 24 N., Rs. 28 and 29 W., and mark on top of brass cap,
T 24 N on N. edge,
R 28 W S 31 in NE.,

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R 28 W S 6 in SE.,
R 29 W S 1 in SW.,
R 29 W S 36 in NW., quadrant, and
T 23 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 23 AND 24 N., R. 28 W.

From this Tp. cor., I run
N. 89°55' E., bet. secs. 6 and 31.
Over high rolling hills.

35.72 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.

76.90 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 28 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 23 N S 6 in SW., and
T 24 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 89°55' E., bet. secs. 5 and 32.
Over high rolling hills.

41.17 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.

82.35 Intersect the original cor. of secs. 4, 5, 32 and 33; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 28 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 23 N S 5 in SW., and
T 24 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run

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N. 89°49' E., bet. secs. 4 and 33.
Over high rolling hills.
40.13 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
72.70 Wagon road bet. Thedford and Brownlee, Nebr., bears N. & S.
80.26 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 28 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 23 N S 4 in SW., and
T 24 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
S. 89°44' E., bet. secs. 3 and 34.
Over high rolling hills.
40.29 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°16' E., bet. secs. 3 and 34.
40.19 Intersect the original cor. of secs. 2, 3, 34 and 35; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 28 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 23 N S 3 in SW., and
T 24 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°47' E., bet. secs. 2 and 35.
Over high rolling hills.
40.12 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

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S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
80.24 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 28 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 23 N S 2 in SW., and
T 24 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°50' E., bet. secs. 1 and 36.
Over high rolling hills.
40.20 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°41' E., bet. secs. 1 and 36.
40.13 Intersect the restored cor. of Ts. 23 and 24 N., Rs. 27 and 28 W., prev. described.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

RANGE LINE BETWEEN RS. 28 AND 29 W., T. 24 N.

From the cor. of Ts. 23 and 24 N., Rs. 28 and 29 W., prev. described, I run
N. 0°12' E., bet. secs. 31 and 36.
Over rolling hills.
40.27 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
80.55 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 24 N on N. edge,
R 28 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 29 W S 25 in NW., quadrant of cap; dig pits,

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20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°12' E., bet. secs. 25 and 30.
Over rolling hills.

40.27 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 25 and 30.

80.55 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 24 N on N. edge,
R 28 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 29 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°16' E., bet. secs. 19 and 24.
Over rolling hills.

40.09 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

October 8, 1913: At this cor. I check my line with the following observation on Polaris at eastern elongation:
Lat.(approx.)= 42°02'.2 N. Long.(approx.)= 100°37'.0 W.
Observation taken at 1/4 sec. cor. bet. secs. 19 and 24, T. 24 N., Rs. 28 and 29 W., Oct. 8, 1913. D. A. Nippell, observer.

Mark, about 20 chains northward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W.U.Telegraph time and found to be 40s fast.

	Angle, star to mark		Watch time
Direct	1°17'.0	left of star	7h07m10s p.m.
Direct	1 17 0		7 09 25
Reverse	1 17 0		7 11 15
Reverse	1 17 0		7 13 30
Mean angle and time	1°17'.0		7h10m20s p.m.
Watch correction			- 0 40
Longitude correction			- 42 28
L.m.t.observation, Oct. 8			6h27m12s p.m.
Azimuth of Polaris at observation			N. 1°33'.2 E.

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Mean angle, star to mark 1°17'.0
Bearing of observation line N. 0°16'.2 E.
Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.
As my course and observation line differ but 0'.2, I assume that my courses are satisfactorily established.

From this 1/4 sec. cor., I run
N. 0°12' W., bet. secs. 19 and 24.

40.09 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 24 N on N. edge,
R 28 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 29 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°13' E., bet. secs. 13 and 18.
Over rolling hills.

40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

66.73 Enter rolling valley.
79.70 Leave valley; thence over rolling hills.

80.16 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 24 N on N. edge,
R 28 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 29 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°3' E., bet. secs. 7 and 12.
Over rolling hills.

40.34 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

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I continue on my line bet. secs. 7 and 12.

58.60 Enter rolling valley.

80.68 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,

T 24 N on N. edge,
R 28 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 29 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°3' E., bet. secs. 1 and 6.
Over rolling valley.

17.80 Leave valley; thence over gently rolling hills.

39.36 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

77.83 Intersect the original closing cor. of Ts. 24 N., Rs. 28 and 29 W. on the 6th St. Par. N.; no evidence above ground; remove sod and find outlines of original pits, 32x32 ins., on each line, E. & W. 20 lks. apart and S. of point mid-distant on line bet. same, 8 lks. dist. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored closing cor. of Ts. 24 N., Rs. 28 and 29 W. on the 6th St. Par. N., and mark on top of brass cap,

R 28 W S 32 in NE.,
R 28 W S 6 in SE.,
R 29 W S 1 in SW.,
T 25 N S 31 in NW., quadrant,
T 24 N on S. edge, and
C C just below center of cap; showing by offset of quadrants the relative position of this closing cor. to the St. cor. of secs. 31 and 32; dig pits, 24x28x15 ins., crosswise on each line, E. & W. 10 ft., and S. of post, 12 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, gently rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this closing cor., I run
S. 89°36' E., along the S. bdy. of sec. 31.

1.53 Intersect the restored St. cor. of secs. 31 and 32, prev. described.

From the reestablished cor. of Ts. 21 N., Rs. 29 and 30 W. on the 5th St. Par. N., prev. described, I run
N. 0°15' E., bet. secs. 31 and 36.
Over high broken hills.

34.60 Enter rolling valley.

40.46 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits,

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24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N.,& S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°18' E., bet. secs. 31 and 36.

14.00 Leave valley; thence over high broken hills.

40.47 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,

T 21 N on N. edge,
R 29 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 30 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°20' E., bet. secs. 25 and 30.
Over high broken hills.

40.65 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°9' E., bet. secs. 25 and 30.

40.36 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,

T 21 N on N. edge,
R 29 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 30 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°26' E., bet. secs. 19 and 24.
Over high broken hills.

39.73 The proportionate distance, I set an iron post, 3 ft. long,

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1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

42.80 Enter rolling valley.

79.46 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 29 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 30 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°25' E., bet. secs. 13 and 18.
Over rolling valley.

33.35 Leave valley; thence over high broken hills.

40.22 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

80.45 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 29 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 30 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°26' E., bet. secs. 7 and 12.
Over high broken hills.

39.80 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 7 and 12.

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79.60 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 21 N on N. edge,
R 29 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 30 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°26' E., bet. secs. 1 and 6.
Over high broken hills.

34.80 Top of ridge, bears East and West; thence descend over abrupt bluffs of Dismal River.

39.80 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

45.50 Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course East.

45.93 Left bank of Dismal River; ascend over abrupt bluffs of Dismal River.

54.50 Top of ascent; thence over high broken hills.

79.60 Intersect the original cor. of Ts. 21 and 22 N., Rs. 29 and 30 W.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., in each sec., 10 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 21 and 22 N., Rs. 29 and 30 W., and mark on top of brass cap,
T 22 N on N. edge,
R 29 W S 31 in NE.,
R 29 W S 6 in SE.,
R 30 W S 1 in SW.,
R 30 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 29 W.

From this Tp. cor., I run
N. 89°47' E., bet. secs. 6 and 31.
Over high broken hills.

40.21 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

80.21 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6,

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31 and 32, and mark on top of brass cap,
R 29 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°47' E., bet. secs. 5 and 32.
Over high broken hills.
40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
80.00 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 29 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 21 N S 5 in SW., and
T 22 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°47' E., bet. secs. 4 and 33.
Over high broken hills.
40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
80.00 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 29 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 21 N S 4 in SW., and
T 22 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°47' E., bet. secs. 3 and 34.
Over high broken hills.
40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and

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mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.
80.00 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 29 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 21 N S 3 in SW., and
T 22 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°47' E., bet. secs. 2 and 35.
Over high broken hills.
40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
80.00 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 29 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 21 N S 2 in SW., and
T 22 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°47' E., bet. secs. 1 and 36.
Over high broken hills.
40.00 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., halfoof cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.
80.00 Intersect the restored cor. of Ts. 21 and 22 N., Rs. 28 and 29 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 29 AND 30 W., T. 22 N.

From the cor. of Ts. 21 and 22 N., Rs. 29 and 30 W., prev. described, I run
N. 1°7' W., bet. secs. 31 and 36.
Over high broken hills.

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38.13 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.

76.26 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 22 N on N. edge,
xR 29 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 30 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rollen hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°7' W., bet. secs. 25 and 30.
Over high broken hills.

38.13 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.

76.26 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 22 N on N. edge,
R 29 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 30 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°41' W., bet. secs. 19 and 24.
Over high broken hills.

40.11 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.

80.22 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this

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point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 22 N on N. edge,
R 29 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 30 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 1°1' W., bet. secs. 13 and 18.
Over high broken hills.

40.02 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°48' W., bet. secs. 13 and 18.

40.40 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 22 N on N. edge,
R 29 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 30 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°50' W., bet. secs. 7 and 12.
Over broken hills.

40.26 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°50' W., bet. secs. 7 and 12.

40.25 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist.

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from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 22 N on N. edge,
R 29 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 30 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°37' W., bet. secs. 1 and 6.
Over high broken hills.
40.41 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
59.50 Enter rolling valley.
80.82 Intersect the original cor. of Ts. 22 and 23 N., Rs. 29 and 30 W.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 22 and 23 N., Rs. 29 and 30, W., and mark on top of brass cap,
T 23 N on N. edge,
R 29 W S 31 in NE.,
R 29 W S 6 in SE.,
R 30 W S 1 in SW.,
R 30 W S 36 in NW., quadrant, and
T 22 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 22 AND 23 N., R. 29 W.

From this Tp. cor., I run
N. 89°52' E., bet. secs. 6 and 31.
Over rolling valley.
7.30 Leave valley; thence over high broken hills.
37.76 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
July 22, 1913: At this cor. I check my line with the following observation on Polaris at eastern elongation:
Lat. (approx.) = 41°55'.0 N. Long. (approx.) = 100°43'.5 W.
Observation taken at 1/4 sec. cor. bet. secs. 6 and 31, Ts. 22 and 23 N., R. 29 W., July 22, 1913. D. A. Nippell, observer.
Mark, about 20 chains eastward on knoll on line. Atmosphere, clear; no haze, no wind.

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Watch, 90th meridian time; checked with W. U. Telegraph time and found to be 8s fast.

		Angle, star to mark	Watch time
	Direct	88°18'.0 right of star	12h11m25s p.m.
	Direct	88 18 0	12 13 45
	Reverse	88 18 0	12 16 00
	Reverse	88 18 0	12 18 50
Mean angle and time		88°18'.0	12h15m00s p.m.
Watch correction			- 0 08
Longitude correction			- 42 54
L.m.t. observation, July 22			11h31m58s p.m.
Azimuth of Polaris at observation			N. 1°33'.7 E.
Mean angle, star to mark			88°18'.0
Azimuth of Polaris			1 33 7
Bearing of observation line			N. 89°51'.7 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.
As my observation checks my course within 0'.3, I assume that my courses are satisfactorily established.
I continue on my line bet. secs. 6 and 31.
75.69 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 29 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 22 N S 6 in SW., and
T 23 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°52' E., bet. secs. 5 and 32.
Over high broken hills.
37.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
75.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 29 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 22 N S 5 in SW., and
T 23 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°52' E., bet. secs. 4 and 33.
Over high broken hills.
37.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of

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earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
75.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 29 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 22 N S 4 in SW., and
T 23 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°52' E., bet. secs. 3 and 34.
Over high broken hills.
37.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.
75.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 29 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 22 N S 3 in SW., and
T 23 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°52' E., bet. secs. 2 and 35.
Over high broken hills.
37.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
75.85 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 29 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 22 N S 2 in SW., and
T 23 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

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From this sec. cor., I continue
N. 89°52' E., bet. secs. 1 and 36.
Over high broken hills.
37.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.
75.85 Intersect the restored cor. of Ts. 22 and 23 N., Rs. 28 and 29 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 29 AND 30 W., T. 23 N.

From the cor. of Ts. 22 and 23 N., Rs. 29 and 30 W., prev. described, I run
N. 0°57' W., bet. secs. 31 and 36.
Over rolling valley.
11.00 Leave valley; thence over high rolling hills.
40.41 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 1°24' W., bet. secs. 31 and 36.
40.52 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 23 N on N. edge,
R 29 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 30 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°36' W., bet. secs. 25 and 30.
Over high rolling hills.
40.29 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.
80.59 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of

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original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,

T 23 N on N. edge,
R 29 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 30 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°56' W., bet. secs. 19 and 24.
Over high rolling hills.

40.29 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

80.59 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,

T 23 N on N. edge,
R 29 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 30 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°55' W., bet. secs. 13 and 18.
Over high rolling hills.

40.34 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°43' W., bet. secs. 13 and 18.

40.34 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top

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of brass cap,

T 23 N on N. edge,
R 29 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 30 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°52' W., bet. secs. 7 and 12.
Over high rolling hills.

39.79 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°59' W., bet. secs. 7 and 12.

40.27 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,

T 23 N on N. edge,
R 29 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 30 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°57' W., bet. secs. 1 and 6.
Over high rolling hills.

40.27 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

80.55 Intersect the original cor. of Ts. 23 and 24 N., Rs. 29 and 30 W.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., in each sec., 10 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 23 and 24 N., Rs. 29 and 30 W., and mark on top of brass cap,

T 24 N on N. edge,
R 29 W S 31 in NE.,
R 29 W S 6 in SE.,
R 30 W S 1 in SW.,

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R 30 W S 36 in NW., quadrant, and
T 23 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high, rolling hills.
Soil, sandy; 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 23 AND 24 N., R. 29 W.

From this Tp. cor., I run
S. 89°14' E., bet. secs. 6 and 31.
Over high rolling hills.
30.66 Enter rolling valley.
34.70 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course South.
35.69 The point for the 1/4 sec. cor. falls in Middle Loup River, 3 ft. deep.
36.20 Left bank of Middle Loup River; thence across rolling valley.
37.64 Set an iron post, 3 ft. long, 1 in. dia., two feet in the ground; in cement base, 8x8x6 ins., for the witness cor. to the 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N.,
S 6 on S., half, and
W C on E. edge, of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
37.70 Center of C.B.& Q. R.R. track, bears NW. and SE.
42.70 Wagon road bet. Seneca and Thedford, Nebr., bears North and South.
44.50 Frame one-story school house, 12x14 ft., is on line.
46.60 Leave valley; thence over rolling hills.
73.20 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 29 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 23 N S 6 in SW., and
T 24 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
October 22, 1913: At this cor. I check my line with the following observation on Polaris at western elongation:
Lat.(approx.)= 42°00'.0 Long.(approx.)= 100°42'.8 W.
Observation taken at cor. of secs. 5, 6, 31 and 32, Ts. 23 and 24 N., R. 29 W., Oct. 22, 1913. D. A. Nippell, observer.
Mark, about 20 chains eastward on knoll on line. Atmosphere, clear; no haze, no wind.
Watch, 90th meridian time; checked with W. U. Telegraph time and found to be 48s fast.

	Angle, star to mark	Watch time
Direct	92°19'.0 right of star	6h07m45s a.m.
Direct	92 19 0	6 09 30
Reverse	92 19 0	6 11 45
Reverse	92 19 0	6 13 40
Mean angle and time	92°19'.0	6h10m40s a.m.
Watch correction		- 0 48
Longitude correction		- 42 51
L.m.t. observation, Oct. 22		5h27m01s a.m.
Azimuth of Polaris at observation		N. 1°33'.0 W.
Mean angle, star to mark		92°19'.0
Azimuth of Polaris		1 33 0
Bearing of observation line		S. 89°14'.0 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

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As my observation checks my course, I assume that my courses are satisfactorily established.
Land, rolling valley, rolling and high rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
S. 89°14' E., bet. secs. 5 and 32.
Over rolling hills.
37.51 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.
47.00 Enter rolling valley over high rolling hills.
67.00 Leave valley; thence over high rolling hills.
75.03 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 29 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 23 N S 5 in SW., and
T 24 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley, rolling and high rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
S. 89°14' E., bet. secs. 4 and 33.
Over high rolling hills.
37.51 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.
75.03 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 29 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 23 N S 4 in SW., and
T 24 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°37' E., bet. secs. 3 and 34.
Over high rolling hills.
39.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and

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S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 3 and 34.

79.84 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,

R 29 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 23 N S 3 in SW., and
T 24 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 89°37' E., bet. secs. 2 and 35.
Over high rolling hills.

39.92 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 2 and 35.

79.84 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,

R 29 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 23 N S 2 in SW., and
T 24 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°49' E., bet. secs. 1 and 36.
Over high rolling hills.

40.29 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°28' E., bet. secs. 1 and 36.

40.32 Intersect the restored cor. of Ts. 23 and 24 N., Rs. 28 and 29 W., prev. described.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

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RANGE LINE BETWEEN RS. 29 AND 30 W., T. 24 N.

From the cor. of Ts. 23 and 24 N., Rs. 29 and 30 W., prov. described, I run
N. 1°0' W., bet. secs. 31 and 36.
Over high rolling hills.

40.19 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,

S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 1°4' W., bet. secs. 31 and 36.

40.10 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,

T 24 N on N. edge,
R 29 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 30 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°59' W., bet. secs. 25 and 30.
Over high rolling hills.

9.00 Center of C.B.& Q. R.R. track, bears NW. and SE.
10.70 Enter rolling valley.
17.75 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course SE.
23.20 Left bank of Middle Loup River; thence across rolling valley.
40.20 Wagon road bet. Seneca and Thedford, Nebr., bears East and West.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 25 and 30.

41.00 Leave valley; thence over high rolling hills.

80.46 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,

T 24 N on N. edge,
R 29 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and

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R 30 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°58' W., bet. secs. 19 and 24.
Over high rolling hills.
40.19 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.
80.38 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 24 N on N. edge,
R 29 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 30 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°58' W., bet. secs. 13 and 18.
Over high rolling hills.
40.19 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
80.38 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 24 N on N. edge,
R 29 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 30 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°56' W., bet. secs. 7 and 12.
Over high rolling hills.
40.29 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and

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mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.
80.58 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 24 N on N. edge,
R 29 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 30 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 1°2' W., bet. secs. 1 and 6.
Over high rolling hills.
41.33 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 6.
80.64 Intersect the original closing cor. of Ts. 24 N., Rs. 29 and 30 W. on the 6th St. Par. N.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., E. & W. 18 lks. apart and S. of point mid-distant on line bet. same, 11 lks. dist. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored closing cor. of Ts. 24 N., Rs. 29 and 30 W. on the 6th St. Par. N., and mark on top of brass cap,
R 29 W S 32 in NE.,
R 29 W S 6 in SE.,
R 30 W S 1 in SW.,
T 25 N S 31 in NW., quadrant,
T 24 N on S. edge, and
C C just below center of cap; showing by offset of quadrants the relative position of this closing cor. to the St. cor. of secs. 31 and 32; dig pits, 24x28x15 ins., crosswise on each line, E. & W. 10 ft., and S. of post, 12 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this closing cor., I run
N. 89°35' W., along the S. bdy. of sec. 32.
6.01 Intersect the restored St. cor. of secs. 31 and 32, prev. described.

From the reestablished St. cor. of Ts. 21 N., Rs. 30 and 31 W., on the 5th St. Par. N., prev. described, I run
N. 0°3' E., bet. secs. 31 and 36.
Over rolling valley.

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5.00 Leave valley; thence over high broken hills.

39.71 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 31 and 36.

57.00 Enter rolling valley.

79.42 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 25x25 ins., in each sec., 10 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 21 N on N. edge,
R 30 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 31 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 0°17' E., bet. secs. 25 and 30.
Over rolling valley.

21.00 Leave valley; thence over high broken hills.

39.74 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., E. & W. 19 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 1°6' W., bet. secs. 25 and 30.

39.70 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 25x25 ins., in each sec., 10 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 21 N on N. edge,
R 30 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 31 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley and high broken hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 0°23' E., bet. secs. 19 and 24.
Over high broken hills.

39.60 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base,

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8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 19 and 24.

65.00 Enter rolling valley.

79.20 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 21 N on N. edge,
R 30 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 31 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°23' E., bet. secs. 13 and 18.
Over rolling valley.

5.00 Leave valley; thence over high broken hills.

39.60 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 13 and 18.

79.20 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 21 N on N. edge,
R 30 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 31 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°23' E., bet. secs. 7 and 12.
Over high broken hills.

15.00 Enter rolling valley.

39.60 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

November 15, 1912: At this cor. I check my line with the following observation on Polaris at western elongation: Lat.(approx.)= 41°48'.2 N. Long.(approx.)= 100°51'.0 W.

Observation taken at 1/4 sec. cor. bet. secs. 7 and 12, T. 21 N., Rs. 30 and 31 W., Nov. 15, 1912. D. A. Nippell, observer.

Mark, about 20 chains northward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W. U. Telegraph

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time and found to be correct.

	Angle, star to mark	Watch time
Direct	1°56'.0	right of star 4h29m40s a.m.
Direct	1 56 0	4 31 15
Reverse	1 56 0	4 33 45
Reverse	1 56 0	4 35 20
Mean time and angle	1°56'.0	4h32m30s a.m.
Longitude correction		- 43 24
L.m.t.observation, Nov. 15		3h49m06s a.m.
Azimuth of Polaris at observation		N. 1°33'.0 N.
Mean angle, star to mark		1°56'.0
Azimuth of Polaris		1 33 0
Bearing of observation line		N. 0°23'.0 E.

Instrument in perfect adjustment, bubbles remaining in center of tubes during operations.

As my course coincides with the observation line, I assume that my courses are satisfactorily established.

I continue on my line bet. secs. 7 and 12.

61.00 Leave valley; thence over high broken hills.

79.20 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 21 N on N. edge,
R 30 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 31 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°23' E., bet. secs. 1 and 6.
Over low broken hills.

39.60 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 1 and 6.

79.20 Intersect the original cor. of Ts. 21 and 22 N., Rs. 30 and 31 W.; no evidence above ground; remove sod and find outlines of original pits, 28x28 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 21 and 22 N., Rs. 30 and 31 W., and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 31 in NE.,
R 30 W S 6 in SE.,
R 31 W S 1 in SW.,
R 31 W S 36 in NW., quadrant, and
T 21 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, low broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

TOWN LINE BETWEEN TS. 21 AND 22 N., R. 30 W.

From this Tp. cor., I run
N. 89°02' E., bet. secs. 6 and 31.
Over high broken hills.

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41.01 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

80.82 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 30 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 21 N S 6 in SW., and
T 22 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°02' E., bet. secs. 5 and 32.
Over high broken hills.

39.81 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°41' E., bet. secs. 5 and 32.

39.94 Intersect the original cor. of secs. 4, 5, 32 and 33; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 30 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 21 N S 5 in SW., and
T 22 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°54' E., bet. secs. 4 and 33.
Over high broken hills.

39.88 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of

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earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 89°55' E., bet. secs. 4 and 33.

39.66 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 30 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 21 N S 4 in SW., and
T 22 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 89°49' E., bet. secs. 3 and 34.
Over high broken hills.

39.80 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
Thence I continue on my line bet. secs. 3 and 34.

57.44 Top of abrupt descent to Dismal River.

72.30 Foot of descent. Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course SE.

73.45 Left bank of Dismal River; thence over rolling valley.

79.60 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 30 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 21 N S 3 in SW., and
T 22 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°49' E., bet. secs. 2 and 35.
Over rolling valley.

39.80 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
Leave valley at corner; thence over high broken hills.

July 25, 1913: At this cor. I check my line with the following observation on Polaris:
Lat.(approx.)= 41°49'.6 N. Long.(approx.)= 100°45'.8 W.
Observation taken at 1/4 cor. bet. secs. 2 and 35, Ts. 21 and 22 N., R. 30 W., July 25, 1913. D.A.Nippell, observe

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Mark, about 20 chains eastward on knoll on line. Atmosphere, clear; no haze, no wind.

Watch, 90th meridian time; checked with W. U. Telegraph time and found to be 10^s fast.

		Angle, star to mark	Watch time
	Direct	88°42'.0	right of star $9^h 11^m 45^s$ p.m.
	Direct	88 42 0	9 13 30
	Reverse	88 43 0	9 16 10
	Reverse	88 43 0	9 17 35
Mean angle and time		88°42'.5	$9^h 04^m 45^s$ p.m.
Watch correction			- 0 10
Longitude correction			- 43 03
L.m.t. observation, July 25			$8^h 21^m 32^s$ p.m.
Nearest U.C.Polaris, July 26 (minus 1.1^m, long.correction)			$5^h 14.0^m$ a.m.
Mean time argument			$8^h 52.5^m$
Azimuth of Polaris at observation			N. 1°06'.9 E.
Mean angle, star to mark			88 42 5
Bearing of observation line			N. 89°49'.4 E.

Instrument in adjustment, bubbles remaining in center of tubes during operations.

As my observation checks my course within 0'.4, I assume that my courses are satisfactorily established.

I continue on my line bet. secs. 2 and 35.

79.60 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 30 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 21 N S 2 in SW., and
T 22 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 89°49' E., bet. secs. 1 and 36.
Over high broken hills.

39.80 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
S. 89°50' E., bet. secs. 1 and 36.

39.71 Intersect the restored cor. of Ts. 21 and 22 N., Rs. 29 and 30 W., prev. described.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 30 AND 31 W., T. 22 N.

From the cor. of Ts. 21 and 22 N., Rs. 30 and 31 W., prev. described, I run
N. 0°4' E., bet. secs. 31 and 36.
Over high broken hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

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S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.

80.47 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 31 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°4' E., bet. secs. 25 and 30.
Over high broken hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.

46.24 Top of abrupt descent to Dismal River.

51.95 Foot of descent. Right bank of Dismal River, which is a stream of clear water, 3 ft. deep; course East.

52.85 Left bank of Dismal River; thence over high broken hills.

80.47 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 31 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°4' E., bet. secs. 19 and 24.
Over high broken hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 19 and 24.

80.47 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and

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R 31 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°4' E., bet. secs. 13 and 18.
Over high broken hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.

80.47 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 31 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°4' E., bet. secs. 7 and 12.
Over low broken hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 7 and 12.

80.47 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 22 N on N. edge,
R 30 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 31 W S 1 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, low broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 0°4' E., bet. secs. 1 and 6.
Over low rolling hills.

40.23 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

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I continue on my line bet. secs. 1 and 6.

80.47 Intersect the original cor. of Ts. 22 and 23 N., Rs. 30 and 31 W.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 8 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 22 and 23 N., Rs. 30 and 31 W., and mark on top of brass cap,

T 23 N on N. edge,
R 30 W S 31 in NE.,
R 30 W S 6 in SE.,
R 31 W S 1 in SW.,
R 31 W S 36 in NW., quadrant, and
T 22 N on S. edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.

Land, low rolling hills.
Soil, sandy; 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 22 AND 23 N., R. 30 W.

From this Tp. cor., I run
S. 89°26' E., bet. secs. 6 and 31.
Over high broken hills.

18.00 Enter rolling valley.
35.00 Leave valley; thence over rolling hills.
39.30 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 6 and 31.

80.45 Intersect the original cor. of secs. 5, 6, 31 and 32; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,

R 30 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 22 N S 6 in SW., and
T 23 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley, rolling and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
S. 89°49' E., bet. secs. 5 and 32.
Over rolling hills.

25.60 Enter rolling valley.
39.55 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 5 and 32.

49.00 Leave valley; thence over high rolling hills.
79.10 Intersect the original cor. of secs. 4, 5, 32 and 33; no

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evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,

R 30 W on N. edge,
S 33 on NE.,
S 4 in SE.,
T 22 N S 5 in SW., and
T 23 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, rolling valley, rolling and high rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 89°52' E., bet. secs. 4 and 33.
Over high rolling hills.

39.77 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 4 and 33.

79.54 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,

R 30 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 22 N S 4 in SW., and
T 23 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.

Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 89°50' E., bet. secs. 3 and 34.
Over high rolling hills.

7.97 Enter rolling valley.
39.98 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,

S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

I continue on my line bet. secs. 3 and 34.

61.97 Leave valley; thence over rolling hills.
71.97 Enter rolling valley.
79.97 Intersect the original cor. of secs. 2, 3, 34 and 35; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,

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R 30 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 22 N S 3 in SW., and
T 23 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley, high rolling and rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
S. 88°07' E., bet. secs. 2 and 35.
Over rolling valley.
17.51 Leave valley; thence over high broken hills.
37.84 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 2 and 35.
75.68 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 30 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 22 N S 2 in SW., and
T 23 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley and high broken hills.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I continue
S. 88°07' E., bet. secs. 1 and 36.
Over high broken hills.
37.84 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.
72.68 Enter rolling valley.
75.68 Intersect the restored cor. of Ts. 22 and 23 N., Rs. 29 and 30 W., prev. described.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

RANGE LINE BETWEEN RS. 30 AND 31 W., T. 23 N.

From the cor. of Ts. 22 and 23 N., Rs. 30 and 31 W., prev. described, I run
N. 2°1' W., bet. secs. 31 and 36.
Over high broken hills.
39.95 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

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I continue on my line bet. secs. 31 and 36.
44.00 Enter rolling valley.
59.00 Leave same; thence over high broken hills.
79.91 Intersect the original cor. of secs. 25, 30, 31 and 36; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., in each sec., 7 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 23 N on N. edge,
R 30 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 31 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills and rolling valley.
Soil, sandy; 2nd, 3rd and 4th rate.
No timber.

From this sec. cor., I run
N. 1°58' W., bet. secs. 25 and 30.
Over high broken hills.
39.50 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 25 and 30.
79.00 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 23 N on N. edge,
R 30 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 31 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high broken hills.
Soil, sandy; 3rd and 4th rate.
No timber.

From this sec. cor., I continue
N. 1°58' W., bet. secs. 19 and 24.
Over low rolling hills.
30.00 Enter rolling valley.
39.50 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 23x25 ins., E. & W. 11 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 1°58' W., bet. secs. 19 and 24.
4.00 Leave valley; thence over rolling hills.
39.96 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,

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T 23 N on N. edge,
R 30 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 31 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley, low rolling and rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I continue
N. 1°58' W., bet. secs. 13 and 18.
Over high rolling hills.
39.96 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 13 and 18.
79.92 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., in each sec., 7 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 23 N on N. edge,
R 30 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 31 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 1°47' W., bet. secs. 7 and 12.
Over high rolling hills.
40.00 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 23x25 ins., E. & W. 11 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 2°5' W., bet. secs. 7 and 12.
40.20 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., in each sec., 7 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 23 N on N. edge,
R 30 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 31 W S 1 in NW., quadrant of cap; dig pits,

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20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
N. 2°10' W., bet. secs. 1 and 6.
Over high rolling hills.
39.71 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 23x25 ins., E. & W. 11 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 1°53' W., bet. secs. 1 and 6.
Over low rolling hills.
40.18 Intersect the original cor. of Ts. 23 and 24 N., Rs. 30 and 31 W.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 7 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of Ts. 23 and 24 N., Rs. 30 and 31 W., and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 31 in NE.,
R 30 W S 6 in SE.,
R 31 W S 1 in SW.,
R 31 W S 36 in NW., quadrant, and
T 23 N on S., edge, of cap; dig pits, 24x24x15 ins., on each line, N., S., E. & W. of post, 9 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, high and low rolling hills.
Soil, sandy; 3rd rate.
No timber.

TOWN LINE BETWEEN TS. 23 AND 24 N., R. 30 W.

From this Tp. cor., I run
N. 89°56' E., bet. secs. 6 and 31.
Over high rolling hills.
33.00 Enter rolling valley.
37.12 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet intthe ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 1/4 on N., and
S 6 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post; 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 6 and 31.
77.68 Intersect the original cor. of secs. 5, 6, 31 and 32; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 5, 6, 31 and 32, and mark on top of brass cap,
R 30 W on N. edge,
S 32 in NE.,
S 5 in SE.,
T 23 N S 6 in SW., and

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Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

T 24 N S 31 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
East, bet. secs. 5 and 32.
Over rolling valley.

40.11 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 32 1/4 on N., and
S 5 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 5 and 32.

80.22 Intersect the original cor. of secs. 4, 5, 32 and 33; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 4, 5, 32 and 33, and mark on top of brass cap,
R 30 W on N. edge,
S 33 in NE.,
S 4 in SE.,
T 23 N S 5 in SW., and
T 24 N S 32 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 89°56' E., bet. secs. 4 and 33.
Over rolling valley.

4.36 Leave valley; thence over high rolling hills.

40.13 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 33 1/4 on N., and
S 4 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 4 and 33.

80.26 Intersect the original cor. of secs. 3, 4, 33 and 34; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 3, 4, 33 and 34, and mark on top of brass cap,
R 30 W on N. edge,
S 34 in NE.,
S 3 in SE.,
T 23 N S 4 in SW., and
T 24 N S 33 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run

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N. 89°55' E., bet. secs. 3 and 34.
Over high rolling hills.

40.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 34 1/4 on N., and
S 3 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 3 and 34.

80.17 Intersect the original cor. of secs. 2, 3, 34 and 35; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 2, 3, 34 and 35, and mark on top of brass cap,
R 30 W on N. edge,
S 35 in NE.,
S 2 in SE.,
T 23 N S 3 in SW., and
T 24 N S 34 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
S. 89°38' E., bet. secs. 2 and 35.
Over high rolling hills.

40.13 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 24x24 ins., N. & S. 17 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 35 1/4 on N., and
S 2 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
S. 89°53' E., bet. secs. 2 and 35.

39.97 Intersect the original cor. of secs. 1, 2, 35 and 36; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., in each sec., 9 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 2, 35 and 36, and mark on top of brass cap,
R 30 W on N. edge,
S 36 in NE.,
S 1 in SE.,
T 23 N S 2 in SW., and
T 24 N S 35 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I run
S. 89°46' E., bet. secs. 1 and 36.
Over high rolling hills.

40.10 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base,

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8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 36 1/4 on N., and
S 1 on S., half of cap; dig pits, 20x20x15 ins., E. & W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 1 and 36.
80.20 Intersect the restored cor. of Ts. 23 and 24 N., Rs. 29 and 30 W., prev. described.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

RANGE LINE BETWEEN RS. 30 AND 31 W., T. 24 N.

From the cor. of Ts. 23 and 24 N., Rs. 30 and 31 W., prev. described, I run
N. 0°27' E., bet. secs. 31 and 36.
Over high rolling hills.
41.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 31 on E., and
S 36 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
I continue on my line bet. secs. 31 and 36.
77.16 Mail road bet. Donald P.O. and Seneca, Nebr., bears East and West.
82.16 The proportionate distance, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished cor. of secs. 25, 30, 31 and 36, and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 30 in NE.,
S 31 in SE.,
S 36 in SW., and
R 31 W S 25 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills.
Soil, sandy; 3rd rate.
No timber.

From this sec. cor., I continue
N. 0°27' E., bet. secs. 25 and 30.
Over high rolling hills.
41.08 The proportionate distance, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the reestablished 1/4 sec. cor., and mark on top of brass cap,
S 30 on E., and
S 25 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.
November 4, 1912: At this cor. I check my line with the following observation on Polaris:
Lat.(approx.)= 42°01'.3 N. Long.(approx.)= 100°51'.0 W.
Observation taken at 1/4 sec. cor. bet. secs. 25 and 30, T. 24 N., Rs. 30 and 31 W., Nov. 4, 1912. D. A. Nippell, observer.
Mark, about 20 chains northward on knoll. Atmosphere, clear; no haze, no wind.
Watch, 90th meridian time; checked with W. U. Telegraph time and found to be 1^m fast.

	Angle,	star to mark	Watch time
Direct	0°26'.5	right of star	$11^h14^m20^s$ p.m.
Direct	0 27 .0		11 15 50
Reverse	0 27 .5		11 18 00
Reverse	0 28 .0		11 19 50
Mean angle and time	0°27'.2		$11^h17^m00^s$ p.m.

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Watch correction	- 1 00
Longitude correction	- 43 24
L.m.t.observation, Nov. 4	$10^h32^m36^s$ p.m.
Nearest U.C. Polaris, Nov. 4 (minus 1.1^m, long. correction)	$10^h32.5^m$ p.m.
Mean time argument	$0^h00.1^m$
Azimuth of Polaris at observation	North.
Bearing of observation line	N. 0°27'.2 E.

Instrument in adjustment, bubbles remaining in center of tubes during operations.
As my observation checks my course within 0'.2, I assume that my courses are satisfactorily established.
I continue on my line bet. secs. 25 and 30.
78.50 Enter rolling valley.
82.16 Intersect the original cor. of secs. 19, 24, 25 and 30; no evidence above ground; remove sod and find outlines of original pits, 28x28 ins., in each sec., 9 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 19, 24, 25 and 30, and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 19 in NE.,
S 30 in SE.,
S 25 in SW., and
R 31 W S 24 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°1' W., bet. secs. 19 and 24.
Over rolling valley.
17.50 Leave valley; thence over rolling hills.
34.12 Wagon road bet. Seneca and Mullen, Nebr., bears NW. and SE.
40.46 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., E. & W. 16 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 19 on E., and
S 24 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°1' W., bet. secs. 19 and 24.
39.50 Enter rolling valley.
40.54 Intersect the original cor. of secs. 13, 18, 19 and 24; no evidence above ground; remove sod and find outlines of original pits, 28x28 ins., in each sec., 9 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 13, 18, 19 and 24, and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 31 W S 13 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

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Exteriors of Townships 21-24 North, Ranges 26-30 West.

Chains.

From this sec. cor., I run
N. 0°11' W., bet. secs. 13 and 18.
Over rolling valley.
3.24 Center of C.B.& Q. R.R. track, bears NW. and SE.
9.56 Right bank of Middle Loup River, which is a stream of clear water, 3 ft. deep; course SE.
10.76 Left bank of Middle Loup River; thence over rolling valley.
17.50 Leave valley; thence over high rolling hills.
40.56 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., E. & W. 16 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 18 on E., and
S 13 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°13' W., bet. secs. 13 and 18.
40.57 Intersect the original cor. of secs. 7, 12, 13 and 18; no evidence above ground; remove sod and find outlines of original pits, 28x28 ins., in each sec., 9 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 7, 12, 13 and 18, and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
R 31 W S 12 in NW., quadrant of cap; dig pits, 20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, rolling valley and high rolling hills.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
North, bet. secs. 7 and 12.
Over high rolling hills.
40.23 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., E. & W. 16 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 7 on E., and
S 12 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°13' W., bet. secs. 7 and 12.
34.00 Enter rolling valley.
40.10 Intersect the original cor. of secs. 1, 6, 7 and 12; no evidence above ground; remove sod and find outlines of original pits, 28x28 ins., in each sec., 9 1/2 lks. dist. from intersection of lines connecting same. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored cor. of secs. 1, 6, 7 and 12, and mark on top of brass cap,
T 24 N on N. edge,
R 30 W S 6 in NE.,
S 7 in SE.,
S 12 in SW., and
R 31 W S 1 in NW., quadrant of cap; dig pits,

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20x20x15 ins., in each sec., 7 ft. dist.; and raise a mound of earth, 6 ft. base, 2 ft. high, around cor.
Land, high rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this sec. cor., I run
N. 0°22' W., bet. secs. 1 and 6.
Over rolling valley.
37.50 Leave valley; thence over rolling hills.
39.76 Intersect the original 1/4 sec. cor.; no evidence above ground; remove sod and find outlines of original pits, 26x26 ins., E. & W. 16 lks. apart. At a point mid-distant on line bet. same, I set an iron post, 3 ft. long, 1 in. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored 1/4 sec. cor., and mark on top of brass cap,
S 6 on E., and
S 1 1/4 on W., half of cap; dig pits, 20x20x15 ins., N. & S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, around cor.

From this 1/4 sec. cor., I run
N. 0°10' W., bet. secs. 1 and 6.
39.90 Intersect the original closing cor. of Ts. 24 N., Rs. 30 and 31 W. on the 6th St. Par. N.; no evidence above ground; remove sod and find outlines of original pits, 30x30 ins., E. & W. 17 lks. apart and S. of point mid-distant on line bet. same, 9 lks. dist. At this point, I set an iron post, 3 ft. long, 3 ins. dia., two feet in the ground in cement base, 8x8x6 ins., for the restored closing cor. of Ts. 24 N., Rs. 30 and 31 W. on the 6th St. Par. N., and mark on top of brass cap,
R 30 W S 32 in NE.,
R 30 W S 6 in SE.,
R 31 W S 1 in SW.,
T 25 N S 31 in NW., quadrant,
T 24 N on S. edge, and
C C just below center of cap; showing by offset of quadrants the relative position of this closing cor. to the St. cor. of secs. 31 and 32; dig pits, 24x28x15 ins., crosswise on each line, E. & W. 12 ft., and S. of post, 10 ft. dist.; and raise a mound of earth, 7 ft. base, 2 ft. high, around cor.
Land, rolling hills and rolling valley.
Soil, sandy; 2nd and 3rd rate.
No timber.

From this closing cor., I run
N. 89°02' W., along the S. bdy. of sec. 32.
16.01 Intersect the restored St. cor. of secs. 31 and 32, prev. described.

Resurvey completed November 1, 1913.

Retracement resurvey,
Exteriors of Townships 21-24 North, Ranges 26-30 West.

GENERAL DESCRIPTION.

The southern half of the area included in these townships consists almost entirely of high broken hills. The few valleys crossed by the township boundaries are of a rolling nature and are small. The northern half consists principally of high rolling hills. The valleys, which are rolling, are more numerous than in the southern part but comprise only a small percentage of the land in the northern half. The hills are a third or fourth rate sand. The soil is thinly covered with wild grasses and the land is of but little value except for grazing and pasture. The valleys contain a second rate sandy soil, which is covered with wild grasses. These valleys, when uncultivated, yield excellent wild hay; when cultivated, they produce good crops of corn and small grain.

Only two streams of water run through this region. One, the Dismal River, is in the southern half. It is a stream of clear water, about 3 ft. deep and from fifty links to two chains wide. It has practically no valley but flows in an east direction with high bluffs on both sides. The other stream is the Middle Loup River. This stream is of about the same depth but from one to six chains wide. It flows in a southeast direction but has valley land on each side. No tributaries in this area feed either stream.

No timber is found within this region.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, D. A. Nippell, U. S. ~~Surveyor~~ Transitman, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of

West boundary of Townships 21-24 North, Range 30 West

of the Sixth Principal Meridian, in the State of Nebraska

which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
	1912		
R. C. VanKirk	November 4th	November 27th	Flagman
E. T. Best, Jr.	" 4th	" 27th	Chainman
P. B. Nippell	" 4th	" 27th	Chainman

Subscribed and certified to before me on the dates of the final service as shown above.

D. A. Nippell
U. S. Surveyor.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, ..., U. S. Surveyor, do solemnly swear that, in pursuan of special instructions received from the U. S. Surveyor General for ..... bearing date of the ..... day of ....., 191 , I have well, faithfully, and trul in my own proper person, and in strict conformity with said instructions, the Manual of Surveyin Instructions, and the laws of the United States, surveyed all those parts or portions of .....

..... of the ..... Meridian, in the State of ....., which are represented i the foregoing field notes as having been executed by me, and under my direction; and I do furthe solemnly swear that all the corners of said survey have been established and perpetuated in strict accord ance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyo General for ..... and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey.

.....
U. S. Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 191

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 191

The foregoing field notes of the survey of .....

executed by .....
under his special instructions dated ....., 191 , having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

.....
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor General.

6—2761

4—680

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, D. A. Nippell, Transitman, U. S. ~~Surveyor~~, during the periods and in the capacities ated opposite our several signatures, in surveying all those parts or portions of .....

Exterior lines of Townships 21 to 24 North, Ranges 26 to 30 West, incl.,

of the Sixth Principal Meridian, in the State of Nebraska

which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
	1913.		
P. B. Nippell	June 30th	November 1st	Chainman
E. T. Best	June 30th	November 1st	Chainman
H. Bulmer	June 30th	September 30th	Flagman
James A. Harvey	June 30th	August 31 st	Moundman

Subscribed and certified to before me on the dates of the final service as shown above.

D. A. Nippell Transitman.
U. S. ~~Surveyor~~

6—2761

FINAL OATH OF UNITED STATES SURVEYOR.

I, D. A. Nippoll, U. S. Transitman solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General, Assistant Supervisor of Surveys bearing date of the 24th day of June, 191 3, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed all those parts or portions of

Exterior lines of Townships 21 to 24 North, Ranges 26 to 30 West, inc.

of the Sixth Principal Meridian, in the State of Nebraska, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said resurvey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Asst. Supervisor and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey.

D. A. Nippoll
U. S. Transitman.

Subscribed by said D. A. Nippoll, and sworn to before me this 5th day of May, 1915

Dist Court SEAL Antelope Co Nebraska

R. H. Rice, Clerk District Court,
Antelope County, Nebraska.

APPROVAL.

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL,~~
Department of the Interior
General Land Office, Washington D.C., June 27, 1917

The foregoing field notes of the resurvey of the Exterior township lines of Townships 21, 22, 23 & 24 N., Ranges 26, 27, 28, 29 & 30 W., 6th P.M., Nebraska,

executed by D. A. Nippoll U.S. Transitman under his special assignment instructions dated June 24, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Clay Tallman
Commissioner in charge of office U. S. Surveyor General for Nebraska

I certify that the foregoing transcript of the field notes of the above described surveys in Nebraska, has been correctly copied from the original notes on file in this office.

Commissioner ~~U. S. Surveyor General.~~

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