Original Field notes of William Austin Burt of the Survey of the Fifth Principal Meridian (Now In) Iowa, November, 1836

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WILLIAM AUSTIN BURT

From the portrait illustration in the National Cyclopedia of American Biography, edition of 1907.
ORIGINAL FIELD NOTES OF WILLIAM AUSTIN BURT
OF THE SURVEY OF THE FIFTH PRINCIPAL
MERIDIAN (NOW IN) IOWA, NOVEMBER, 1836

The National Cyclopaedia of American Biography (1907), Volume V, page 196, presents a portrait of William A. Burt and the following biography:

Burt, William Austin, surveyor, was born at Worcester, Mass., June 13, 1792, son of Alvin and Wealthy Austin Burt. In 1798 he removed with his parents to Montgomery County, New York. Although his advantages were few, yet by dint of much industry and effort he succeeded in educating himself, and at the age of fourteen was proficient in both surveying and astronomy. When he was seventeen years old the family emigrated to Erie County, New York, and in 1813 he joined the American forces in the war then being carried on against England. At the close of the war he engaged in mercantile pursuits, was elected magistrate of his district, and in 1824 settled near Detroit, Michigan. He held various local offices, and in 1833 was appointed United States deputy surveyor, in which capacity he surveyed northern Michigan (1840-47). He was the originator of the solar compass, which, after many honorary awards in America, received the prize medal at the London Industrial Exhibition in 1851. Mr. Burt also invented an equatorial sextant, but died before bringing it to perfection. He was judge of the Michigan circuit court, and as a member of the legislature in 1852 was prime mover in the construction of the Sault Sainte Marie canal. In 1813 he was married to Phoebe Cole, daughter of John Cole of Erie County, New York. Mr. Burt died August 18, 1858.

While the land surveys of Burt's were not earliest, they are first in utility. The description of all Iowa real estate for its precise location resulted. The course of every stream was noted and the situation of every lake. Burt's survey became the very basis of maps and mapping in Iowa. It is, has been and will remain well beyond calculation in value for the uses of mankind. The sheer amount of labor required and the bulk of material moved and applied by these men in erecting the markers at each
section and half section corner (where trees, as witness objects, did not occur), must amount to the largest physical achievement in construction, previous to railroad building. Witness trees were precisely named and measured. These notes answer forever the question where Iowa timber was, and amount to an inventory of the original forest resources of our state.

Herewith we present Mr. Burt's notes of his survey in Iowa of the Fifth Principal Meridian. That line was not, however, entirely Mr. Burt's work. He determined its location and ran it out, marked and established it only between the first and second correction lines, that is between the south boundaries respectively of townships 79 and 89, North. That was part of his engagement with the United States surveyor general. His points of beginning and ending left portions of it to be extended northward fourteen miles to the Mississippi River, by Orson Lyon, and southward some nine miles also to the Mississippi River, which was done by Harvey Parke. Their notes are included to complete this most important survey. We add Burt's notes for the second correction line (south boundary of Township 89) to the Mississippi River, the beginning of the second correction line.

We have encountered no adequate printed comment on the implications toward the history of the people of Iowa, of this work of Mr. Burt. Of course there were many surveyors who could have done the work he did. But opportunity did not come to them. It came to him and was fully met. That advances his name to conspicuousness as a lone performer. He determined the initial point of the Fifth Principal Meridian, which also fixed the initial points for locating the first and the second correction lines. These three lines control precise location of all Iowa land descriptions. It never is, nor will be, correct, to omit from any deed, lease or easement in Iowa land parcels, reference to the Fifth Principal Meridian. And each repetition of the vital phrase "west (or east) of the Fifth Principal Meridian in Iowa" in every land title in our state forever, is an equivalent to saying "W. A. Burt." This approaches nearer to immortality than any other act of any other man of Iowa. Burt's was a job, like that of every other surveyor. Under oath and under his contract, and on the usual honor of a responsible and a
capable professional man, he made his observations and measure-
ments and registered them in his field books, then certified and
transmitted them complete in autograph. It is that point in
both time and fact that marks the passing into order and out
of uncertainty from the world of the old "metes and bounds"
system of location to that of right lines and rectangles in the
affairs of man; from "spots" to "areas" in verbal usage; from
archaic to modern practices, in relation to the earth's surface,
in industry, agriculture and in jurisprudence. They are bound-
aries between owners or occupants of land, between political
townships, between counties, judicial and congressional districts.
They are fixed and the admeasurement is made in acres of those
areas individuals possess, and over which corporate authority is
exercised.

Natural advantages and disadvantages to human life in the
pioneer stage are impartially noted. This led toward wisdom
on the part of the government and of the settlers in the sale
and patenting of the public lands. Where there were mineral
deposits known or suspected, the description of these were noted.
If there were stone or other building materials, these were listed
and described. If there were streams, springs or other water
sources, they were noted, charted and their use suggested for
health or industry. No man came into the country through the
medium of the general land office unaware of a local land adapt-
ability to specific use, or without specific knowledge which aided
in the exercise of prudence for the health and wealth of a settler
or his family. Burt and his kind were well trained, albeit self-
educated. The humble maxim "settle 'cordin' to wood and
water" was thus by the land survey in better grammatical form
bulletined with the more formal and technical description of the
country to be settled. It was good policy. The land surveyor
was required to bilk nor bludgeon no one. That was left for later
"business"—often shady business—the land "merchant" or land
"shark."

In presenting these notes we followed the style, page by page,
in which they appear in the original; abbreviations, capitaliza-
tion, punctuation, surveyors' characters, etc.

It is little short of astonishing to observe Mr. Burt and his
staff could, and did, survey in this rough country the Fifth Principal Meridian and the beginning of the Second Correction Line in eight days a total of seventy-two miles.

The footnotes alone are in fact and style those of the editor of the *Annals*.

WM. A. BURT, DEPT. SURVEYOR
[Vol. 4, Books 17-21, Book 18, pp 1-60]

North on 5th principal Mer. from 1st correction Line Wisconsin Territory

Var. 8° 5' E

North on East Side of Section 36 Township 79 N. Range 1 West¹

<table>
<thead>
<tr>
<th>Distance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.00</td>
<td>Set qr. Section Post &amp; made Mound</td>
</tr>
<tr>
<td>80.00</td>
<td>Set Post Cor. of Sections 25 &amp; 36 &amp; made Mound</td>
</tr>
<tr>
<td></td>
<td>Land Rolling good 2nd Rate Prairie Soil Sandy Loam</td>
</tr>
</tbody>
</table>

**P 2**

East Boundary of T 79 N R 1 W 5th pr. Mer
North on East Side of Sect 25

<table>
<thead>
<tr>
<th>Distance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.50</td>
<td>Road C. N. W., [Road, course northwest.]</td>
</tr>
<tr>
<td>40.00</td>
<td>Set qr. Section Post &amp; made Mound</td>
</tr>
<tr>
<td>63.00</td>
<td>Trail C. N W</td>
</tr>
<tr>
<td>80.00</td>
<td>Set Post Cor. of Sects 24 &amp; 25 &amp; made Mound</td>
</tr>
<tr>
<td></td>
<td>Land same as before</td>
</tr>
</tbody>
</table>

**P 3.**

East Boundary of T 79 N. R 1 W. 5th pr Mer.
North on East Side of Section 24

<table>
<thead>
<tr>
<th>Distance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.00</td>
<td>Set qr. Section Post &amp; made Mound</td>
</tr>
<tr>
<td>80.00</td>
<td>Set post cor. of Sections 13 &amp; 24 &amp; made Mound</td>
</tr>
<tr>
<td></td>
<td>Land Same</td>
</tr>
</tbody>
</table>

**P 4.**

East Boundary of T 79 R. 1 W 5th pr Mer.

<table>
<thead>
<tr>
<th>Distance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.00</td>
<td>Set qr Section Post &amp; made Mound</td>
</tr>
<tr>
<td>80.00</td>
<td>Set Post cor of Sects 12 &amp; 13 &amp; made Mound</td>
</tr>
<tr>
<td></td>
<td>Land first (\frac{1}{2}) Same last (\frac{1}{2}) Level &amp; wet</td>
</tr>
</tbody>
</table>

¹This point where Mr. Burt began the survey was at the southeast corner of what is now Farlington Township, Cedar County, and the southwest corner of Calhoun Township, Scott County. The present town of Durant lies immediately to the northwest, in the south half of Section 36, Farlington Township. It was platted in 1854, eighteen years after this survey was made.

¹¹40.00 = 40 chains, no links.
THE FIFTH PRINCIPAL MERIDIAN (NOW IN) IOWA

Explanations

(A) A portion of the Black Hawk Purchase, 1832; surveyed in 1836-37.
(B) A portion of the Second Purchase, 1837; surveyed 1838.
(C) The New Purchase, 1842, surveyed 1843-43.

Note: Burt established the intersection of the First Correction Line with the Fifth Principal Meridian; the six-mile intersections on the Fifth Principal Meridian of the township lines, including that of the south boundary of Township 89 which is the Second Correction Line, then turned east and established the range lines on it to the Mississippi River.

Lyon continued the Fifth Principal Meridian north beyond the Second Correction Line to the Mississippi River. Parke continued it south beyond the First Correction Line to the Mississippi River.
P 5.
East Boundary of T 79 N. R. 1 W. 5th pr Mer.
North on East Side of Section 12
40.00 Set qr Section Post & made Mound
76.20 Stream 10 L. C. ESE [stream 10 links, course, east southeast]
89.00 Set Post cor of Sect 1 & 12 & made Mound
Land Rolling 2nd Rate Soil Loam & Sand

P 6
East Boundary of T. 79 N, R. 1 W. 5th pr Mer.
North on East Side of Section 1
40.00 Set qr Section Post & made Mound
80.00 Set Post corner of Ts 79 & 80 Between R's 1 E & 1 W & made Mound
Land Same

P 7
East Boundary of T 80 N. R. 1 W. 5th Mer.
North on East Side of Section 36
16.75 Trail C. WNW
40.00 Set qr Post & made Mound
80.00 Set Post Cor. of Sects 25 & 36 & made Mound
Land Same

P 8
East Boundary of T. 80 N, R. 1 W. 5th pr Mer.
Var. 7° 10'
North on East Side of Section 25
40.00 Set qr Section Post & made Mound
80.00 Set Post cor. of Sects. 24 & 25 & made Mound
Land Same

P 9
East Boundary of T 80 N. R. 1 W. 5th pr. Mer.
Var. 7° 15' E
North on East Side of Section 24
40.00 Set qr Section Post & made Mound
80.00 Set Post Cor. of Sects 13 & 24 & made Mound
Land Same

P 10
East Boundary of T 80 N. R 1 W 5th pr. Mer.
Var 7° 25' E
North on East Side of Section 13

2Head waters of Mud Creek which runs east and northeast some twelve miles where it flows into the Wapsipinicon River.
3This now is the southeast corner of Inland Township, Cedar County, and the southwest corner of Liberty Township, Scott County.
4The present town of New Liberty, Scott County, is one half mile east.
24.50 Trail C. WNW
40.00 Set qr Section Post & made Mound
80.00 Set Post cor. of Sects 12 & 13 & made Mound
Land Same

P 11.
East Boundary of T. 80 N. R. 1 W 5th pr Mer.
Var 7° 40' E

North on East Side of Section 12
18.00 Leave Prairie C E & W
20.29 Cherry 12 in dia
40.00 Set qr Section Post
  B Oak 10 N 8 W 58°
  Do 15 South 61
{Bearings
42.50 Stream 15 L. C. NW
64.50 B. Oak 13
80.00 Set Post Cor. of Sects 1 & 12
  B. Oak 16 S 63 W 64°
  Do 15, N 25 W 93
{Bearings
Land Rolling good 2nd Rate W & B Oak Hickory Hazle &c
November 13, 1836
Rainey

P 12
East Boundary of T. 80 N. R 1 W 5th pr. Mer.
Var 8° 00' E

North on East Side of Section 1
5.00 Leave timber C NE
8.00 Creek 25 L. C. NE
12.50 Do 25 L. C. N. W.
17.00 Do 25 L. C. E
40.00 Set qr Section Post
  Burr Oak 12 N 34 W 307
  Do 10 N 37 W 336
42.00 Enter timber
53.32 W. Oak 12 in dia
80.00 Set Post Cor. of T's 80 & 81 N R's 1 E & 1 W
  W. Oak 11 S 32 E 39°
  B. Oak 12 N 17 W 32°
Land Same

P 13
East Boundary of T 81 N. R. 1 W. 5th pr Mer. 9. O. C. A. M.
Var 8° 45'

North on East Side of Section 36

5Now the southeast corner of Springfield Township, Cedar County, and the southwest corner of Spring Rock Township, Clinton County, and of Clinton County.
17.48 W. Oak 20
31.67 B. Oak 18
40.00 Set qr Section Post
   W. Oak 11 N 21 W 41
   Hickory 12 S 22 W 98
   Bearings
47.75 Stream 12 L. C. E.
80.00 Set post cor of Sects 25 & 36
   W Oak 6 N 42 W 69
   B Oak 6 S 75 W 58
   Bearings
Land Rolling 2nd Rate W & B Oak Hickory Hazel

P 14.

East Boundary of T. 81 N. R. 1 W. 5th pr Mer.

Var 8° 50' E

North on East Side of Section 25
19.30 B. Oak 10
40.00 Set qr Section Post
   B Oak 12 S 72° 1/2 W 321
   Do 5 N 6 W 55
   Bearings
49.51 B. Oak 13
80.00 Set Post cor. of Sects 24 & 25
   Hickory 10 N 35 W 11
   B Oak 19 S 19 W 61
   Bearings
Land Rolling 2nd Rate W & B. Oak Hickory Hazel Soil Loam

P 15

East Boundary of T 81 N. R 1 W. 5th pr. Mer.

Var 8° 50' E

North on East Side of Section 24
30.00 Enter prairie C. E&W
40.00 Set qr Section Post & made Mound
53.50 Stream 10 L. C. ENE
80.00 Set Post Cor. of Sects 13 & 24 & made Mound
Land &c Same

P 16

East Boundary of T 81 N. R 1 W 5th pr Mer.

Var 8° 45'

North on East Side of Section 13
43.00 Set qr. Section Post & made Mound
50.00 Leave Prairie C. NW
52.23 W. Oak 12
80.00 Set Post cor of Sects 12 & 13
   W. Oak 18 N 18 W 276
Bear.
No other near Land Same
P 17
East Boundary of T. 81 N. R 1 W. 5th pr. Mer.
Var 8° 45'
North on East Side of Section 12
6.63 W. Oak 12
10.00 Enter Prairie C. NW
40.00 Set qr. Sect Post made Mound
65.80 Creek 20 L. C. SE
80.00 Set Post cor. of Sects 1 & 12 & made Mound
Land first ½ Rolling Last ½ Level & wet 2nd Rate W & B
Oak &c Soil Sand & Loam

P 18
East Boundary of T. 81 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 1
40.00 Set qr. Section Post & made Mound
80.00 Set Post cor. of T's 81 & 82 N' & made Mound
Land level & wet Prairie

P 19
East Boundaries of T. 82 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 36
40.00 Set qr Section Post & made Mound
50.00 Enter grove
75.00 Leave Do
80.00 Set Post cor. of Sects 25 & 36 & made Mound
Land Rolling good 2d Rate Elm Thorn Hazel Boxwood &c
Soil Loam & Sand

P 20
East Boundary of T. 82 N. R. 1 W. 5th pr Mer.
Var 8° 40'
North on East Side of Section 25
40.00 Set qr. Section Post & made Mound
80.00 Set post Cor. of Sects. 24 & 25 & made Mound
Land Rolling good 2d Rate Prairie

P 21
East Boundary of T. 82 N. R. 1 W. 5th pr Mer.
Var 8° 20' E
North on East Side of Section 24
40.00 Set qr Section Post & made Mound

The main line of the Chicago & Northwestern Railway now crosses the Fifth Principal Meridian near this point.

Now the southeast corner of Massillon Township, Cedar County, and the southwest corner of Liberty Township, Clinton County.
80.00 Set post Cor. of Sects 13 & 24 & made Mound
Land Same as before
November 14, 1836
Same Cloudy

P 22

East Boundary of T. 82 N. R. 1 W 5th pr. Mer.

Var 8° 00' E

North on East Side of Section 13

4.00 Leave Prairie C. E & W
15.22 Stream§ 10 L. C. E
22.76 Br. Oak 14
40.00 Set qr Section Post
   W. Oak 7 N 10 W 94)
   No other
53.46 B Oak 18
67.00 River Bottom C. SE
   [Several words struck out in here]
80.00 Cor. of Sections 12 & 13
   B. Oak 12 S 66 W 53)
   Do 16 N 57 W 39
   Land Rolling & Some broken 2d Rate W & B Oak Hickory
   Hazel Plumb Soil Loam

P 23

East Boundary of T 82 N. R. 1 W. 5th pr. Mer.

North on East Side Sec. 12

4.00 Intersect Wapsipinecon R. & set post
   Sycamore 18 S 66 W. 27 Bearing
8.3710 Over River from Sect Cor & Set Post
11.00 Leave Bottom
   W. Ash 10 N 88 E 58)
   Birch 8 S 541/2 W 25
13.06 W. Oak 16
40.00 Set qr. Section Post
   B. Oak 18. North 604)
   no other
47.59 Enter Prairie C NW
80.00 Set Post Cor. of Sections 1 & 12 & made Mound
   Land good 2nd Rate W & B Oak Elm &C

§Now called Plum Creek, running east into Wapsipinecon River.

9The present town of Massillon is in the northern part of the northeast
   quarter of Section 14, Massillon Township, about one and one-fourth miles
   west of this point.

10The difference between 4.00 chains and 8.37 chains is 4.37 chains. As the
   length of one chain is 66 feet, 4.37 chains is 288.42 feet, or 17.48 rods, which
   was the width of the river at that place.
P 24
East Boundary of T. 82 N. R. 1 W. 5th pr. Mer.
Var 8° 00' E
North on East Side of Section 1
20.00 A granite Boulcer 25 feet Dis. & 14 ft. in height bears S 83 W.
280 Links
40.00 Set qr. Section Post & made Mound
50.00 Pond
62.50 Over Pond
80.00 Set Post Cor. of T's 82 & 83 N & made Mound
Land Rolling 2d Rate Soil Sand & Loam

P 25
East Boundary of T. 83 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 36
40.00 Set qr. Section Post & made Mound
60.00 Enter Marsh C. E & W
68.50 Leave Do
80.00 Set Post Cor. of Sects 25 & 36 & made Mound
Land poor 2d Rate Soil Sandy
Var 8° 20' E

P 26
East Boundary of T 83 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 25
40.00 Set qr. Section Post & made Mound
80.00 Set Post Cor. of Sects. 24 & 25 & made Mound
Land Rolling 2d Rate Soil Sandy

P 27
East Boundary of T 83 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 24
Var 8° 25' E
40.00 Set qr. Section Post & made Mound
80.00 Set Post Cor. of Sects 13 & 24 & made Mound
Land Rolling & some broken 2d Rate Soil Sand Loam
November 15 1836
Some cloudy P M

P 28
East Boundary of T 83 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 13
Var 8° 30' E
35.30 Br. Oak 12 enter prairie

11Now the southeast corner of Oxford Township, Jones County, and of Jones County, and the southwest corner of Sharon Township, Clinton County. It is also now the northeast corner of Cedar County.
12The present town of Oxford Junction is in the western part of Section 22, about three miles west of this point.
ANNALS OF IOWA

40.00 Set qr. Section Post
   W. Oak 8 S 71 W 97 \{ Bearing
   Do 15 S 68 E 43
80.00 Set Post Cor. of Sects 12 & 13
   B. Oak 9 S 7/2 W 1.56 \{ Bearings
   No other
Land Rolling 2d Rate Br. W. & B. Oak Soil Sandy Loam

P 29
East Boundary of T. 83 N. R. 1 W. 5th pr Mer.
Var 8° 40' E

North on East Side of Section 12
49.00 Set qr. Section Post
   B. Oak 7 West 1.23 \{ Bearings
   Do 9 S 59 1/2 W 191
51.17 Bur Oak 6 in dia
80.00 Set Post Cor. of Sects 1 & 12
   Hickory 16 N 6 W 452 \{ Bearings
   No other near
Land & timber Same

P 30
East Boundary of T. 83 N. R 1 W 5th pr. Mer.
Var. 8° 45' E

North on East Side of Section 1
40.00 Set qr. Section Post
   Br. Oak 10 S 56 E 70 \{ Bearings
   W. Oak 20 N 12 1/2 W 338
41.20 Stream 8 lks. C. SW
42.90 limestone ledge 8 lks west of line
67.30 Bur Oak 12
80.00 enter Prairie C. E. & W
80.00 Set Post Cor. of T's 83 & 84 N.13
   Bur Oak 12 West 114
Land & timber Same

P 31
East Boundary of T. 84 N. R. 1 W. 5th pr. Mer.
Var 8° 45' E

North on East Side of Section 36
2.32 Stream 6 L. C. East
40.00 Leave Prairie C NW
40.00 Set qr Section Post
   Bur Oak 8 N 56 W 159 \{ Bearing
   Do 9 N 61 E 100

13Now the southeast corner of Wyoming Township, Jones County, and the southwest corner of Monmouth Township, Jackson County, also of Jackson County, and the northwest corner of Clinton County.
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

58.57  W Oak 14 in dia
72.31  Do 12 " "
80.00  Set Post Cor. of Sects 25 & 36
      W. Oak 14 N 63 W 52\]
      Do 14 N 85 W 81 \}\] Bearings
Land Broken poor 2d Rate W. & B. Oak Lynn Elm &c
X Lime Stone Ledge (See next page)

P 32
East Boundary of T 84 N. R. 1 W. 5th pr. Mer.
Var 8° 47' E

North on East Side of Section 25
4.40  descend limestone ledge Bank of creek
13.90 Creek 35 L C. E 14
15.00 Ascend Bank
41.09 W. Oak 14
40.00 Set qr. Section Post
      W. Oak 12 N 30 W 47\]
      Do 12 South 33 \}\] Bearings
72.04 Br Oak 12
80.00 Set Post Cor. of Sections 24 & 25
      W. Oak 12 S 54 W 93\]
      W. Oak 12 North 6 \}\] Bearings
Land Broken Poor 2d Rate W & B & Br Oak Soil Clay & Loam

P 33
East Boundary of T. 84 N. R 1 W. 5th pr. Mer.
Var. 8° 50' E

East Boundary of Sect 24
00.06  W Oak 10
21.22 Br. Oak 12
26.00 Stream 10 L. C. ESE
40.00 Set qr. Section Post
      W. Oak 14 N 43 W 109\]
      B. Oak 22 S 1 W 300 \}\] Bearing
80.00 Set Post Cor. of Sects 13 & 24\]
      B. Oak 8 N 6½ W 620\]
      W. Oak 15 S 2 W 464 \}\] Bearings
Land Same

P 34
East Boundary of T. 84 N. R 1 W. 5th pr Mer.
Var. 8° 50'

North on East Side of Section 13
1.00 Trail E & W

14Bear Creek, which empties into the Maquoketa River about seven miles northeast from this point.
15The present town of Monmouth, Jackson County, is located one mile east of this point.
43.90 B Oak 11
40.00 Set qr Section Post
  W. Oak 24 N 80 W 147
  B. Oak 8 S 57 W 85
  } Bearings
48.38 Stream 20 L. C.E
68.50 Descend ledge of Lime Rock
71.00 Stream 5 L C SE.
80.00 Set Post Cor. of Sects 12 & 13
  B. Oak 15 S 80 W 493
  Br. Do 14 N 57 W 422
  } Bearings
Land Rolling 2d Rate B & W Oak Hickory Soil Loam

P 35

East Boundary of T. 84 N. R 1 W. 5th pr. Mer.

North on East Side of Sect. 12
5.35 Spring Brook 3 L C W
7.00 Stream 5 L. C. SW
16.00 Descend Limestone Ledge
18.00 Stream 5 L C NE
30.50 Ravine 250 L wide C. SW
40.00 Set qr. Section Post
  W Oak 12 S 67 W 66
  Oak 12 N 83 W 159
  } Bearings
75.96 W Oak 14
80.00 Set Post cor of Sects 1 & 12
  W. Oak 14 S 50 W 14
  Do 15 West 21
  } Bearings
Land Rolling 2d Rate W. & B. Oak Soil Clay Land & gravel

P 36

East Boundary of T. 84 N. R 1 W. 5th pr. Mer.

North on East Side of Section 1
7.54 W. Oak 12
22.30 B Oak 15
40.00 Set qr. Section Post
  W. Oak 24 N 22 W 15
  Do 26 S 80 W 45
  } Bearings
61.30 W. Oak 24
80.00 Set Post Cor of Ts 84 & 85 N36
  Bur Oak 18 N 38 W 30
  W —Oak 11 S 52 E 68
  } Bearings
Land &c Same
November 16, 1836
Same Cloudy

36Now the southeast corner of Clay Township, Jones County, and the southwest corner of Brandon Township, Jackson County.
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

P 37
East Boundary of T. 85 N. R. 1 W. 5th pr. Mer.

Var. 9° 10' E

North on East Side of section 36

40.00 Set quarter Section post
  Bur Oak 14 S. 64 E 113
  Do. 15 S 37 E 122
  \{Bearings

80.00 Set post cor. to Sec. 25 & 36
  Bur Oak 7 N. 79 W. 191
  Do. 8 S. 54 W. 127
  \{Bearing

Land rolling good 2d rate, — Timber, W. B. & Br. Oak, Hazel, thinly timbered

P 38
East Boundary of T 85 N. R. 1 W. 5th Mer

Var. 9° 3' E

North on East Side of Section 25

22.00 Descend bank
24.00 Creek 35 L. crs. E.
26.50 Do 35 L. crs. N. W.
29.80 Do. 35 L. crs. E
30.25 Ascend Bank

40.00 Set ¼r Section post
  Bur Oak 12 N. 50½ E. 819
  \{Bearing

63.64 Br. Oak 8
80.00 Set post cor. of Sec. 24 & 25
  Bur Oak 12 N. 70½ W. 198, bearing No other near
Land rolling & some stoney 2d rate — W. B. & Br. Oak Soil sandy loam

P 39
East Boundary of T. 85 N. R. 1 W. 5th pr. Mer.

North on the East side of Section 24

15.00 Descend Bank

17.37 Intersect Maquockety River & set post
  Elm 12 S. 86 W. 27
  Do 13 S. 60 E 41
  \{Bearings

19.64 Over River & set post
  Elm 13 N. 55 W. 33
  Do 12 N. 39½ E. 54
  \{Bearings

36.39 Elm 12

40.00 Set qr. section post
  Sugar 12 N. 19 W. 28
  Lynn 10 S. 6 W. 17
  \{Bearing

49.62 Cherry 14
56.95 Intersect Mequockety River & set post
   Butternut 18 S. 73° 1/2 W. 62
   \footnotesize\text{Bearing} \}
   Birch 18 N 83 E. 6

59.17 Over River, Maple 7 Corner
   Maple 10 S. 88 W. 34

73.28 B. Oak 14

89.00 Set post cor. of Sec. 13 & 24
   W. Oak 12 N. 1 W. 114
   \footnotesize\text{Bearing} \}
   Do 16 S. 18 W. 84
   Land good 2d rate, — W. & B Oak, Lynn, Sugar, Walnut &c

P 40

East Boundary of T 85 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 13

14.95 Intersect Mequockety River
   Elm 12 in. dia Corner

17.33 Over River & set post
   Red Cedar 11 N 77° 1/2 W. 65
   \footnotesize\text{Bearing} \}
   Birch S 4 B. 89 E 55

18.50 Ascend Bank

26.61 Sugar 12

37.93 W. Oak 14

40.00 Set qr. Section Post
   73 Oak 15 N. 38 W. 23
   \footnotesize\text{Bearings} \}
   W. Oak 16 S. 44 W. 70

50.00 Stream 5 L. crs. S. E.

53.80 B. Oak 7

80.00 Set post corner of Sections 12 & 13
   Lynn 14 N. 8 W. 96
   \footnotesize\text{Bearings} \}
   W. Oak 15 S. 11 W. 71
   Land, broken poor 2 rate W. & B. Oak, Lynn, Sugar, — Soil sand & clay

P 41

East Boundary of T. 85 N. R. 1 W. 5th Pr. Mer.
North on East Side of Section 12

1.80 Foot of perpendicular ledge of rock 25 ft. high

25.28 B. Oak 12

40.00 Set qr. Section post
   Lynn 18 S. 42 W. 60
   \footnotesize\text{Bearings} \}
   W Ash 12 N. 84 W. 42

43.00 W. Ash 14

62.15 W. Oak 20

80.00 Set post corner of sections 1 & 12
   B. Oak 12 N. 32 W. 42
   Do. 11 S. 27 W. 26
   \footnotesize\text{Bearings} \}
   Land rolling good 2d rate W. & B. Oak, Lynn, Sugar & W. Ash. Soil Clay & Loam
East Boundary of T. 85 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 1
1.03  B. Oak 12
10.27  Walnut 11
32.47  B. Oak 12
40.00  Set qr. section post
       B. Oak 14 S. 79 W. 17  \{Bearings
       W. Oak 11 N. 42 W. 60
48.41  B. Oak 15
76.30  Do. 14
80.00  Set post cor. of Ts 85 & 86 N. 17
       W. Oak 15 S. 70 E 55  \{Bearings
       B. Oak 14 N. 69 W. 53
Land same

P 43.

East Boundary of T. 86 N. R. 1 W. 5th Pr. Mer.
North on East side of Section 36
5.50  Descend Bank
11.75  Stream 8 lks. crs. E
13.00  Ascend Bank
22.50  Top of Bank
27.00  Descend Bank
32.00  Creek 1.10 L crs. S.E. 18
36.00  Ascend Bank
40.00  qr. section corner
       W. Oak 13 corner tree
45.75  Top of precipice 75 feet high
51.00  Creek 110 L. crs. W.
52.50  Ascend Bank of Creek
59.72  Top of precipice 75 feet high
60.95  Creek 110 L crs. S.E.
72.95  Foot of perpendicular Lime rock 50 ft. high
77.34  W. Oak 12
80.00  Set post cor. of Sections 25 & 36
       W. Oak 10 S. 76 W. 95  \{Bearing
       B. Oak 14 N. 85 W. 124
Land broken & rocky poor 2d rate W. & B. Oak, lynn, elm &
Sugar Soil Clay & gravel
Nov. 17th 1836 clear

17Now the southeast corner of Washington Township, Jones County, and the
southwest corner of Butler Township, Jackson County.
18The North Maquoketa River, which they crossed three times in running
the line this mile.
East Boundary of T. 86 N. R. 1 W. 5th pr. Mer.
North on East side of section 25
12.34 W. Oak 12
40.00 Set qr. Section post
   W. Oak 11 N. 5½ W. 126
   W. Oak 14 S. 68 W. 145
74.41 W. Oak 22
80.00 Set post cor. of Sections 24 & 25
   W. Oak 13 S. 26 W. 46
   Do 13 N. 8 W. 60
   Land rolling 2d rate, — timber, W & B. oak, Soil, Clay & Loam
   Nov. 17. 1836
   some cloudy

East Boundary of T. 86 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 24
28.70 B. oak 15
40.00 Set qr Section Post
   W. Oak 21 N. 40 W. 54
   Do 13 S. 26 W. 89
80.00 Set Post cor of Sections 13 & 24
   W. Oak 14 S. 38 W. 69
   W. Oak 15 N. 34 W. 83
   Same

East Boundary of T. 86 N. R. 1 W. 5th pr Mer.
North on East Side of Section 13
18.05 W. Oak 13
33.30 Do 18
40.00 Set qr. Section Post
   W. Oak 18. N. 62 W. 94
   W. Oak 15 S. 66½ W. 138
71.00 W. Oak 14
80.00 Set Post corner of Sections 12 & 13
   B. Oak 16 S. 54 W. 30
   Do 20 N. 72 W. 49
   Land Rolling good 2d Rate W. & B. Oak Soil clay & Loam

East Boundary of T. 86 N. R. 1 W. 5 pr Mer.
North of East Side of Section 12
27.11 B. Oak 14
40.00 Set qr. Section Post
   Bur Oak 8 S. 62 W. 137
   Do 8 S. 31 W. 229
52.00  Bur Oak 10
80.00  Set Post cor. of Sections 1 & 12
     W. Oak 16 N 47 E 67
     no other near
     Land Rolling poor 2d Rate W. & B. Oak Bur Oak Soil Sandy

P 48

East Boundary of T. 86 N. R 1 W. 5th pr. Mer.
North on East Side of Section 1
13.03  top of precipice 50 ft
17.25  Stream 18 L. C. W.
19.25  Ascend Bank
22.68  W Oak 13
39.00  top of Precipice 55 ft
39.60  Elm 15
40.00  Set qr Section Post
     Hickory 10 S 79 W 49
     B Oak 12 N 81 W 33
47.90  foot of precipice 60 ft
69.78  W Oak 14
77.54  Do 10
80.00  Set Post cor of Ts 86 & 87 N
     W Oak 15 N 80 E 49
     Do 12 S 35 W 124
     Land Rolling & Some Broken rather poor 2d Rate W. & B.
     Oak Elm &c Soil Clay & Sand

P 49

East Boundary of T. 87 N. R. 1 W. 5th pr Mer.
Var 9° 15' E
North on East Side of Section 36
24.47  W. Oak 11
26.00  Road C. N.E.
40.00  Set qr. Section Post
     B. Oak 13 S 50½ W 227
55.00  Enter Prairie C E&W
80.00  Set Post cor. of Sects 25 & 36 & made Mound
     Land Rolling & Rocky 2d Rate W & B Oak Soil Sand gravel

P 50.

East Boundary of T. 87 N. R. 1 W. 5th pr. Mer.
North on East Side of Section 25
40.00  Granite Boulder 40 in dia.
     bears S 20 W 4 links
     Do 40 in dia. N 20 E 32 lks

19Now the northeast corner of Jones County, the northwest corner of Jackson County, and the southeast corner of White Water Township and the southwest corner of Prairie Creek Township, both of Dubuque County.
80.00 Set Post cor of Sec. 24 & 25 & made Mound 20
Land Rolling 2 rate Prairie Soil Sand gravel & Loam

P 51
East Boundary of T 87 N. R 1 W. 5th pr. Mer.
North on East Side of Section 24
6.00 Stream 3 L. C. W
8.00 Road C. E&W
10.00 Leave Prairie C. N.E.
40.00 Set qr. Section Post
   W. Oak 14 N 20 W 47
   Do 22 N 80 E 14
53.51 W. Oak 13
71.80 Do 12
73.75 foot of perpendicular Rock 45 ft high
80.00 Set Post cor of Sections 13 & 24
   W Oak 16 N 78 W 71
   B. Oak 14 S 181/2 W 81
Land Rolling & Rocky 2d Rate W. & B. Oak Soil Sand Clay & gravel

P 52
East Boundary of T 87 N. R 1 W. 5th pr. Mer.
North on East Side of Section 13
35.72 W. Oak 13
40.00 Set qr. Section Post
   Bur Oak 13 N 58 W 27
   Do 14 S 51 W 50
76.80 W Oak 13
80.00 Set Post cor. of Sections 12 & 13
   W. Oak 18 N 75 W 140
   Do 12 S 821/2 W 134
Land Rolling 2d Rate W & B Oak Bur Oak Soil Clay & Sand
November [18] 1836
Same cloudy

P 53
East Boundary of T 87 N. R 1 W. 5th pr. Mer.
North on East Side of Section 12
20.17 W. Oak 18
40.00 Set qr. Section Post
   Bur Oak 8 N 35 W 94
   W. Oak 14 S 88 W 140
65.87 W. Oak 12

20The present village and railroad station of Fillmore is one mile west of this point.
80.00 Set Post cor. of Sections 1 & 12
   W. Oak 16 N 86 W 85
   W. Oak 14 S 67 W 240
Land Broken poor 2d Rate W. & B. Oak Bur Oak Soil Clay
gravel & Sand

---

P 54.

East Boundary of T. 87 N. R 1 W. 5th pr. Mer.
North on East Side of Section 1
3.78 W. Oak 15
30.34 W. Oak 18
40.00 Set qr. Sec post
42.50 Creek 25 L. C. W
43.40 Do C. E.
45.30 Creek 25 L. C. S.W. 21
46.00 enter Prairie C. SW
   B. Oak 14 N. 2 W 78
   No other Near
80.00 Set Post cor of Ts 87 & 88 N & made Mound 22
Land Rolling 2d Rate N. $\frac{1}{2}$ Prairie S $\frac{1}{2}$ W. & B. Oak Soil
clay & Sand

---

P 55

East Boundary of T. 88 N. R 1 W. 5th pr. Mer.
Var. 9° 8' E

North on East Side of Section 36
10.65 Creek 20 L C.S.E.
40.00 Set qr. Sec. post in Mound
45.00 leave Prairie C. E & W
65.98 B. Oak 11
79.30 Do 12
80.00 Set Post cor. of Sections 25 & 36
   B. Oak 12. N 55$\frac{1}{2}$ W 37
   B. Oak 10. S. 21 W 72
Land Rolling 2d Rate W. & B. Oak Bur Oak Hickory Soil Same

---

P 56

East Boundary of T. 88 N. R 1 W. 5th pr. Mer.
North on East Side of Section 25
39.73 B. Oak 12
40.00 Set qr. Section Post
   W. Oak 11 N 63 W 53
   W. Oak 12 S 84 W 48
71.56 B. Oak 12

21 A branch of White Water Creek.
22 Now the southeast corner of Taylor Township and the southwest corner
   of Vernon Township, Dubuque County.
80.00 Set Post cor. of Sections 24 & 25
B. Oak 10 S 27½ W 30
W Oak 15 N 65 W 55
Land Rolling 2d Rate B. & W. Oak Soil clay & Sand

P 57

East Boundary of T. 88 N. R 1 W. 5th pr. Mer. Var 9° 00'

North on East Side of Section 24
38.00 Enter Prairie
40.00 Set qr Section Post
Br. Oak 12 S 9 E 186
no other near
49.00 Leave Prairie
80.00 Set Post cor of Sections 13 & 24
B. Oak 12 N 16 W 88
W. Oak 15 N 1½ W 109
Same

P 58

East Boundary of T. 88 N. R 1 W. 5th pr. Mer.
North on East Side of Section 13
2.18 W. Oak 18 in dia
13.00 Enter Prairie C. S. W.
15.55 Stream 18 L. C. W SW
40.00 Set qr. Section Post & Made Mound
80.00 Set Post Cor. of Sects. 12 & 13 & made Mound
Land Rolling good 2d Rate. Soil Sandy Loam

P 59

East Boundary of T. 88 N. R 1 W 5th pr. Mer.
North on East Side of Section 12
3.20 Road C. E & W
40.00 Set qr. Section Post & made Mound
75.00 Leave Prairie C. N.W.
80.00 Set Post Cor. of Sects. 1 & 2
Br. Oak 6 Corner
W. Oak 18 N 19½ W 85
Land Rolling 2d Rate W. & B. Oak Soil Sandy Loam

P 60

East Boundary of T. 88 N. R 1 W. 5th pr. Mer.

North on East Side of Section One
32.81 W. Oak 15 in dia

Var. 9° 5' E

Here they again cross White Water Creek.

The main line of the Illinois Central Railroad now crosses the Fifth Principal Meridian very near this point.
**East Boundary**

<table>
<thead>
<tr>
<th>Section</th>
<th>North or East Side of Section One</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.51</td>
<td>W. 2d 17.5 15 in. 14 1/2, 15 1/2</td>
</tr>
<tr>
<td>40</td>
<td>1st Post Corner, Township 88, Range 1, East, Fiftieth Principal Meridian.</td>
</tr>
</tbody>
</table>

**South Boundary**

<table>
<thead>
<tr>
<th>Section</th>
<th>South or West Side of Section 31</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.00</td>
<td>1st Post Corner, Township 88, Range 1, East, Fiftieth Principal Meridian.</td>
</tr>
</tbody>
</table>

WILLIAM A. BURT'S ORIGINAL SCRIPT, PAGES 60 AND 61, VOL. 4, BOOK 18

Page 60 is the last mile of the Fifth Principal Meridian, that is, the east boundary of Section 1, Township 88, Range 1, West, of the Fifth Principal Meridian up to the Second Correction Line.

Page 61 is the first mile running east which he surveyed and marked as the Second Correction Line, being the south side of Section 31, Township 89, Range 1, East, of the Fifth Principal Meridian.
EAST ON SECOND CORRECTION LINE

As set out by Mr. Burt in his note above, he turned at this point and ran a line east to the Mississippi River, thus commencing this important parallel.


P 61

South Boundary of T. 89 N. R. 1 E. 5th pr Mer.

East on South Side of Section 31

4.00 Trail C N.

8.00 Road C N & S

40.00 Set qr. Section Post

W Oak 12 N 59 W 170

Do 12 N 36½ E 169

54.83 W Oak 10

75.00 W Oak 12

76.75 Stream 10 L. C N. E.

80.00 Set Post cor. of Sections 31 & 32

W. Oak 10 N 20½ W 50

Do 16. N 37½ E 39

Land Broken. Soil 2d Rate W & B. Oak Hazel

Note. it was thought best not to give any excess of measure in the Ranges East of the 5th pr. Mer in as much as these Ranges will soon terminate North on the Mississippi River
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

5.96 W. Oak 14
11.40 Stream 8 L, N E
37.25 Stream 6 L N W
40.00 Set qr Section Post
   W. Oak 12, N 57 W 76
   Do 15, N 20 E 28 \{Bearings
64.90 W. Oak 20
73.50 Stream 5 L, C N W
80.00 Set Post Cor. of Sections 32 & 33
   W. Oak 26, N 81 1/2 W 70
   Do 18 N 75 E 91 \{Bearings
Land W 1/2 Level E 1/2 Broken Soil Sand & gravel 2d Rate
W. & B. Oak Lynn &c thinly timbered
Novem 19 1836
Cloudy
Novem 20 Stormy Lay by

South Boundary of T. 89 N, R 1 E 5th pr. Mer
East on South Side of Section 33
2.75 W. Oak 22
40.00 Set qr Section Post
   W. Oak 10, N 53 E 28
   B. Oak 10 N. 23 W 29 \{Bearings
46.93 W. Oak 12
58.75 Road C. N & S
80.00 Set Post Cor. of Sections 33 & 34
   B. Oak 12, N 30 E 30
   Do 11 N 24 3/4 W 274 \{Bearings
Land Rolling 2d Rate W & B Oak thinly timbered Soil Clay & Loam

South Boundary of T 89 N, R 1 E. 5th pr. Mer
East on South Side of Section 34
23.29 W. Oak 7
40.00 Set qr. Section Post
   W. Oak 6 N 37 E 71
   B. Oak 11 N 73 W 196 \{Bearings
50.05 W. Oak 10
65.03 B. Oak 16
80.00 Set Post Cor. of Sections 34 & 35
   W. Oak 13, N 15 W 37
   Do 12, N 67 E 67 \{Bearings
Land Rolling & Some Broken 2d Rate W. & B. Oak &c Soil Clay & Loam
South Boundary of T. 89 N. R 1 E. 5th pr. Mer.
East on South Side of Sect. 35
13.59 W. Oak 12
27.90 B Oak 10
40.00 Set qr. Section Post
   W. Oak 7 N 7 E 34
   Do 12 N 59 W 12
Bearings
48.00 Road C. N W
53.75 Stream 5 L. C S E
80.00 Set Post Cor. of Sections 35 & 36
   W. Oak 11 N 69 E 115
   Do 12 N 7 W 251
Bearings
Land Rolling & some Broken 2d Rate W. & B. Oak

P 66

South Boundary of T. 89 N. R 1 E 5th pr. Mer.
Var. 9° 00' E
East on South Side of Sect 36
22.63 Br. Oak 18 in dia.
40.00 Set qr. Section Post
   B. Oak 10 N 30 E 261
   W. Oak 9 N 34 W 226
Bearings
55.70 Br. Oak 5
57.00 Road course N E
80.00 Set Post Cor. of T 89 N. Between R's 1 & 2
   Br. Oak 11 N 89 ½ W 170
   Do 10 N 57 ½ E 111
Bearings
Land Rolling good 2d Rate W. B. & Br. Oak Soil Sandy Loam

P 67

South Boundary of T. 89. R 2 E. 5th pr Mer.
Var. 9° 00' E
East on South Side of Section 31
16.00 Stream 18 L. C N E
40.00 Set qr. Section Post
   Bur Oak 13 N 26 ½ E 86
   W. Oak 8 N 48 ½ W 161
Bearings
49.78 B Oak 15
63.00 Enter Prairie C S E
66.50 Stream 5 L. C N.
80.00 Set Post Cor. of Sections 31 & 32 & made Mound
Land Rolling 2d Rate W. B. Br. Oak Soil Sandy Loam

26The main line of the Illinois Central Railroad now crosses this correction line near this point, its course being here west of southwest.
27Now the southeast corner of Center Township and the northeastern corner of Vernon Township.
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

P 68
South Boundary of T. 89 N. R 2 E. 5th pr. Mer.
East on South Side of Section 32
40.00 Set qr. Section Post & made Mound
79.75 Stream 5. L. C E N E.
80.00 Set Post cor. of Sects. 32 & 33
Land Rolling & Some Broken 2d Rate

P 69
South Boundary of T. 89 N. R 2 E. 5th pr. Mer.
East on South Side of Sect 33
19.50 Stream 5. L. C N E
40.00 Set qr. Section Post & made Mound
80.00 Set Post cor. of Sections 33 & 34 & made Mound
Land Rolling 2d Rate Soil Sand Loam & gravel
Note. Some diggins for Lead mineral was discovered a few
chains North of Line on Last ½ mile

P 70
South Boundary of T 89 N. R 2 E. 5th pr. Mer.
East on South Side of Section 34
12.00 Road C N E. 28
38.00 Creek 18. L. C. S. E.
35.50 House 50 L. North
40.00 Set qr. Section Post & made Mound
76.50 Road C. N & S.
80.00 Set Post cor. of Sections 34 & 35 & made Mound 29
Soil Loam & gravel Supposed to be Mineral Land

P 71
South Boundary of T 89 N. R 2 E. 5th pr. Mer.
East on South Side of Section 35
40.00 Set qr. Section Post & made Mound
55.00 Hulett's Smelting Furnace bears South about 20 chains
70.00 Road C. S E.
76.00 descend Bank C. E S E
80.00 Set Post cor. of Sections 35 & 36 & made mound of Stone
Land Broken & Rocky Soil 2d Rate mineral land

P 72
South Boundary of T 89 N. R 2 E. 5th pr. Mer.
East on South Side of Section 36
Var 8° 35' E

---

28 Apparently the road leading from Dubuque to Cascade.
29 Now the southeast corner of Dubuque Township and the southwest corner
of the incorporation of the present city of Dubuque. See Atlas of Dubuque
County, Iowa Publishing Co., Davenport, 1906.
4.50 House 100 L North
5.00 Road C. South
   Hutton's grist Mill South about 12 chains
13.60 Creek 30 L C. S S E
14.25 Ascend Bank
18.00 foot of Ledg 45 ft in hight
38.00 Road C. S. Leave Prairie
40.00 Set qr. Section Post
   B. Oak 8 N 13½ E 265
   W. Oak 15 S 57½ E 114
76.00 Descend Bank
80.00 Set Post Cor of Ts 89 N Between Ranges 2 & 3 E
   Elm 13 N 50½ W 107
   W. Oak 14 N 57 E 109
Land Broken & Rocky Soil 2d Rate. W & B Oak &c Mineral
Land

P 73

South Boundary of T 89 N. R 3 E 5th pr. Mer.
Var 8° 35' E

East on South Side of Section 31
8.00 Ascend Bank
15.16 B. Oak 12
33.00 descend Bank
39.60 Pricepic 60 ft
39.63 foot of pricepic
40.00 qr. Section Post
   W. Oak 18 West 33 Bear
*42.50 foot of Bank
48.50 Intersect Mississippi River20 & Set a Block of Lime Stone for
   cor*
   Elm 20 N 15¼ W 171 Bearing the S. W. cor of P. A.
   Lairmier & Co Hous bears N 41 W 228 Links from cor.
   the upright part of the house is here refered to
   November 23. 1836 Cloudy
Note. Lairmiers & Co Smelting Furnace for Lead is about 250
Links South of qr. Section cor this place is known by the
name Riprow
*From this cor. the qr. see Post on North Side of Section 33
   729 N. R 2 W. 4th Mer. Ill. bears N 75° 10' E 138 chains
   10 L

P 74

I hereby Certify that in pursuance of a Contract with Robert T.
Lytle Surveyor General of the United States for the State of Ohio
Indiana & Michigan bearing date the 28th day of September 1836 an in

20The grave of Julien Dubuque is about one-third of a mile southeast of this
point.
strict conformity to the Laws of the United States & the Instructions of said Surveyor general I have Surveyed the exterior township lines described in the foregoing pages of this Book which are the true & original field notes of the Survey they purport to be as taken on the Said Lines.

Certified this 2d day of December 1836

Wm A Burt
Dept. Surveyor

Wm. C Mynderse  }  Chain
J. F. Munro  }  Men
John Seaugale

Marker

[Vol 4, Book 21, pp 70-73 Inc]

P 70.

Remarks on an Error found in the 5th principal Meridian T 82 N. R 1 W N ½ Section 24 when the East Side of Section 24 was run & measured their was a disagreement as to the No of outs the next day early I Sent the Chainmen to remeasure that Line to ascertain if aney error had taken place at the Same time I went to a convenient pace to get a Solar observation to ascertain the variation of the needle the chainmen returned Mr. Mynders & Mr. Monro & reported the Said Line correctly measured from the closing of T 82 N R 1 E gave strong Suspicion that an Error was made Somewhere the Meridian was first measured in T 82 N

---

P 71.

& on E. Side of Section 24 N ½ was found to be one out or 5 chains too long the Line which the chain Men reported correct by measured the 2d time Since the error has been discovered the chain men Say that they measured Seven outs 4 was satisfied that no Error had taken place judging them Selves to be one out from Post, So deceived were they that it has since proved to be two on mature consideration I decided to throw this axcess of Measure next to the 2d Correction Line & am now making my Survey correspondent their to & Shall Soon moove all the Sections & qr. Section Posts 5 chains South, next page

---

p 72

from the 2d Correction Line to Cor. of Sections 13 & 24 T 82 N on the 5th principal Meridian & forthwith transmit the Notes to the corners to remove & establish to your office

I regret exceedingly that this Error has happened & the chain Men are much mortified on the account

Wm. A. Burt
Dept Sury

Robert T. Lytle
Surveyor General of the U. S.
Remarks on the Length of a Chain in winter weather

Experiment 1st Compared the measuring Chain with the Standard & adjusted it precisely thereto warmed the measuring chain by the fire to a Summer Heat & compared it with the Standard a difference was found of about $\frac{7}{10}$ of an inch this was done in a cold day & further it was found that my chain men did not measure the same in deep Snow that they did on hard ground. Measured on the Meridian & felt Short of Measure 28 Links in a Mile these remarks are made for the information of Practical Surveyors.

Wm A. Burt
Dept Surveys

FROM THE SECOND CORRECTION LINE NORTH TO THE MISSISSIPPI RIVER

At this point from which Mr. Burt turned east, Deputy Surveyor Orson Lyon began and ran the survey north on the Fifth Principal Meridian to the Mississippi River.


P 13.

5 Principal Meridian T 89 N R 1 W 5th Meridian
Var 9° 8' E
North on East Side of Section 36
2 18 White Oak 30 inches in diameter
22 50 Waggon Road leading N W & S E
34 17 Black Oak 30 inches in diameter
40 00 Lynn tree 8 inches in dia Sec Cor $\frac{7}{4}$th
60 20 To bend of creek
63 18 Creek 65 links wide crs E N E
70 11 Lynn 8 inches in diameter
80 00 Set post corner to Sections 25 & 36
(Lynn 22 S 35 W 42
Aspen 10 N 21 W 12
Land Hilly broken & 2nd rate Timber White Oak B. Oak Lynn Sugar Aspen Elm & Iron wood undergrowth same

P 14
5th Meridian

T 89 N R 1 W 5th Meridian
North on East Side of Section 25
18 00 Spring Brook 5 links wide crs S. E.

---

31 This survey starts at what now is the southeast corner of Iowa Township and the southwest corner of Center Township, Dubuque County.
32 Headwaters of the Little Maquoketa River which flows northeasterly into the Mississippi River.
BURT’S SURVEY OF FIFTH PRINCIPAL MERIDIAN

40 00 Set quarter Section post
  {White Ash 9 S 44 W 12
  }Red Oak 30 N 15 W 45
60 05 B. Oak 20 inches in diameter
80 00 Set post corner to Sections 24 & 25
  {White Oak 23 S 71 W 69
  }Do 20 N 39 W 80
Land Hilly & first rate Timber White Oak Black Oak Sugar
  Lynn Ash & cherry. Undergrowth same
Sunday Dec 18th 1836

P 15
5th Meridian

T 89 N R 1 W 5th Meridian
North on East Side of Section 24
15 11 Lynn 8 inches diameter
15 50 Entered creek bottom
24 10 Creek 12 links wide crs S E
28 00 Left bottom
40 00 Set quarter Section post
  {Sugar tree 15 S 80 W 8
  }Do 6 N 25 W 22
44 15 brook 15 crs S W
46 00 Entered bottom
54 15 Sugar tree 9
80 00 Set post corner to Sections 13 & 24
  Sugar 8 N 40 W 7
  Do 10 S 87 W 36
First 46 chains Hilly last 34 chains level & first rate Timber
  Lynn White Oak Sugar tree Hackberry Ironwood & Butter-
  nue undergrowth same

P 16.
5th Meridian

T 89 N R 1 W 5th Meridian
North on East Side of Section 13
21 60 Brook crs S E
40 03 Set quarter Section post
  {Ironwood 6 S 68½ W 8
  }Red Oak 20 N 29½ W 25
49 50 Brook 5 lks wide crs S W
60 00 Red Oak 20
80 00 Set post corner to Sections 12 & 13
  {Red Oak 32 S 33 W 34
  }White Oak 12 N 29 W 95
First H M rolling last H M Hilly & first rate Land Timb
  White Oak Red Oak Sugar tree Elm & Lynn under growth
  Iron wood oak prickly ash & vines
ANNALS OF IOWA

P 17
5th Meridian

T 89 N R 1 W 5th Meridian
North on East Side of Section 12
29 00 Brook 3 links wide crs N E
32 50 Spring crs N E
40 00 Set quarter Section post
   (Red Oak 15 S 43 W 95)
   (Aspen 6 N 38 W 37)
89 03 Set post corner to Section 1 & 12
   (White Oak 28 S 20 W 73)
   (Do 20 N 68½ W 69)
Land Hilly & 2nd rate Timber White Oak Black Oak & Red Oak & Lynn undergrowth same with Aspen & Grape vine

P 18
5th Meridian

T 89 N R 1 W 5th Meridian
North on East Side of Section 1
27 70 White Oak 13
37 00 Spring brook 3 links wide N E
40 03 Set quarter Section post
   (Red Oak 13 S 45 W 102)
   (Do 19 N 20 W 38)
58 70 Black Walnut 24
80 00 Set temporary post*
   Land Hilly & 2nd rate Timber Black Oak White Oak Sugar tree & Elm undergrowth same with Hickory & Grape vines
*See cor. established—page 30

The following is not in the survey of the Fifth Meridian, but of the parallel line one mile east. It is copied because of the reference to this page in the note regarding the establishing of the corner of T's 89 & 90.

P 30

T 90 N R 1 E 5th Meridian
West on South Side of Section 31
5 63 White Oak 20 inches in diameter
40 00 Set quarter Section post
   (White Oak 24 N 17 E 142)
   (Do 30 N 25 W 85)
44 43 Black Oak 20 inches in diam
79 62 Intersected the 5th Meridian at post & established cor of Ts 89 & 90, Ranges 1 E & 1 W
   (White Oak 32 N 49 E 97)
   (Bearings 1 Do 16 S 6½ E (86 or 87)

*Now the southeast corner of Concord Township and the southwest corner of Jefferson Township, Dubuque County.
Land rolling & first rate thinkly timbered with White & Black Oak undergrowth Same
Sunday Dec 25th 1836

P 31
5th Meridian

T 90 N R 1 W 5th Meridian

North On East Side of Section 36
10 00 Entered creek bottom
12 60 creek 40 links wide crs N E 24
25 00 Mr Bunkers house 18 00 West
29 80 Road N E & S W
32 50 Left bottom
40 00 Set quarter Section post
Black Oak 17 N 47 W 439
White Oak 14 N 10 E 236
Brook 4 crs East
80 00 Set post corner to Sections 25 & 36
B. Oak 11 N 42 1/2 W 643
B. Oak 8 N 81 3/4 W 622
Land Hilly, good 2nd rate Timber South of creek Timbered with Oak Lynn Elm & Sugar tree North of creek thinly timbered with Oak Except creek bottom which is prairie.

P 32
5th Meridian

T 90 N R 1 W 5th Meridian

North on East Side of Section 25
24 88 Bur Oak 7
40 00 Set quarter Section post
B. Oak 10 S 34 W 132
White Oak 15 N 48 W 23
53 33 Black Oak 20
80 00 Set post corner to Sections 24 & 25
Aspen 22 S 49 W 33
White Oak 16 N 65 W 106
Land Hilly, good 2nd rate Last H M Well timbered with White & Black Oak

P 33

T 90 N R 1 W 5th Meridian

North on East Side of Section 24
40 00 Set quarter Section post
Black Oak 14 N 39 W 148
Do 16 N 83 1/2 W 166

34Headwaters of the Middle Fork of the Little Maquoketa River which flows eastwardly about seven miles into the Little Maquoketa River.
47 30  Brook 12 links wide course East
63 00  Left bottom prairie
80 00  Set post corner to Secs 13 & 24
         Bur Oak 6 S 37½ W 518
         Do 10 N ½ W 1144
Land Hilly, good 2nd rate Thinly timbered with Black White & Bur Oak undergrowth Same

P 34

T 90 N R 1 W 5th Meridian
North on East Side of Section 13
20 59  Bur Oak 8 inches in diameter
40 00  Set quarter Section post
         Bur Oak 7 S 13½ W 92
         Do 7 N 79 W 54
80 00  Set post corner to Secs 12 & 13
         Bur Oak 8 S 64 W 119
         Hickory 13 N 78 W 155
Land Hilly & 2nd rate Thinly timbered with Bur White & Black Oak

P 35

T 90 N R 1 W 5th Meridian
North on East Side of Section 12
25 00  Left scattering timber Entered prairie
33 00  Brook 13 course S W
40 00  Set quarter Section post
         Bur Oak 16 S 73 E 513
         Do 12 S 37½ E 924
42 75  Left brook course S W
74 50  Entered Marsh, House 10 00 West
80 00  Set post corner to Secs 1 & 12
         On N E Side of Marsh
         Bur Oak 18 S 52 W 454
         B. Oak 9 N 15½ W 604
Land rolling prairie & first rate. Growth grass

P 36

T 90 R 1 W 5th Meridian
North on East Side of Section 1
26 70  White Oak 26 inches in diameter
40 00  Set quarter Section post
         Bur Oak 24 S 62½ W 454
         White Oak 20 S 39 W 117
45 00  To Summit of high Ridge E & W
78 20  Black Oak 16 inches in diameter
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

80 00 Set temporary post corner to Townships 90 & 91 N Range 1 E & Range 1 W\(^{38}\) Land Hilly broken & 2nd rate
Monday Dec 26 1836

Page 52
5th Meridian

T 91 N R 1 W 5th Meridian

North on East Side of Section 36
24 03 Spring brook 8 ers N E
31 04 Black Oak 15 inches in diameter
40 00 Set quarter Section post
   \{ Black Oak 10 S 17 E 53
   \{ White Oak 12 S 22 W 53
49 20 White Oak 18 inches in diameter
80 00 Set post corner to Sections 25 & 36
   White Oak 30 S 7 W 49
   Do 12 N 47 W 37
Land Hilly broken & 2nd rate Thinly timbered with Oak under-
growth Same

P 53
5th Principal Meridian

T 91 N R 1 W 5th Meridian
North on East Side of Section 25
25 90 White Oak 16 inches in diameter
40 00 Set quarter Section post
   Lynn 15 S 56 W 56
   Black Walnut 9 n 27 W 36
54 40 White Oak 15 inches in diameter
59 59 To a Sugar tree 12 inches in diameter corner to Section 25 on
   High bluff Right bank of Mississippi River course East
   (From Mr. Parke's correction)
3 17 From post on bluff to post at foot of Same, R. Bank of Missis-
sippi River
   Elm 10 S 70 E 39
   Maple 10 N 80\(\frac{1}{2}\) W 53
62.67 Whole length of E. Side Sec 25

P 81.

(Certificate)

I hereby certify that in pursuance of a contract with Robert T Lytle Surveyor General of the United States for the states of Ohio Indiana Michigan an Wisconsin Territory bearing date the 8th day of Nov (1836) eighteen hundred & thirty six And in strict conformity to the

\(^{38}\)Now the northeast corner of Concord Township and the northwest corner of Jefferson Township, Dubuque County.
laws of the U S and Instructions of Said Surveyor General I have
Surveyed and laid off into Town Ships. Nos 88 & 89 N & fract T 91
North of the 2nd correction line in R 1 East of the 5th Principal
meridian & T 89 & 90 & Fract T 91 R 2 E. Fract Ts 89 90 91 R 3 E
& Townships 89 Ranges 1, 2, 3 & 4 West of the 5th Principal Meridian
in the Territory of Wisconsin And I do further certify that the fore-
going are the true and Original Field notes of Said Survey Executed
as afore Said certified this 5th day of May A D 1837
Orson Lyon
Deputy Surveyor
Philip M Leer
Jose C Priddy
Philander French

FROM THE FIRST CORRECTION LINE SOUTH TO THE
MISSISSIPPI RIVER

At this point from which Mr. Burt began his survey of the
Fifth Principal Meridian and ran north, Deputy Surveyor Har-
vey Parke began and ran south through Muscatine County to
the Mississippi River.


P 29
T 78 N. R 1 W 5th Principal Meridian
South on east boundary Section 1
8.20 Stream 40 west
*51.82 Set quarter Section post in prairie, where made mound of earth
and sod
Pit 3 links east
91.82 Set post in prairie corner Sections 1.12, where made mound of
earth and sod
Pit 3 links south
Land 1st rate rolling prairie. Und[er] Prairie grass
Var 8.00
*Corresponding with the W B Sec 6

P 30.

T 78 N. R 1 W
South On east By section 12
40.00 Set quarter section post on the E side of point of timber
Bur Oak 16 W 66 W 3.14
do 24 S 41 W 2.45
43.00 Leave prairie & enter a narrow skirt of timber

This survey starts at what now is the southeast corner of Cedar County,
or the northeast corner of Wilton Township and northwest corner of Fulton
Township, Muscatine County.
Enter prairie

Set post corner Sect. 12.13
Bur Oak 20 N 3 W 6.11
No other tree
Land first rate and rolling


Set post corner Sects. 13.24 in prairie, where made mound of earth & sod.
Pit 3 lks south
Land quite rolling & rich Und[g]th Prairie grass

Set quarter section post in prairie where made mound of earth & sod.
Pit 3 lks east

Set post corner Sects. 24.25 at the E end of a small grove
Hickory 12 S 19½ W 77
Aspin 5 N 15 W 83
Land same as last mile

Set post corner Sects. 25.36 where made mound of earth and sod
Pit 3 lks south
Land &c same

Leave prairie & enter thin timber land
80.00 Set post corner Towns 77.78 N R 1 west

Bearings

\begin{align*}
\text{Bur Oak} & \quad 5 \text{ S} \quad 21 \text{ W} \quad 17\frac{1}{2} \\
\text{Y Oak} & \quad 6 \text{ N} \quad 6\frac{1}{2} \text{ W} \quad 89 \\
\text{Bur Oak} & \quad 14 \text{ S} \quad 87 \text{ W} \quad 1.45 \\
\text{Witness} & \quad \text{do} \quad 8 \text{ N} \quad 26 \text{ W} \quad 1.44 \\
\end{align*}

Land same as last mile
February 19, 1837

Var 7° 50'

T 77 N. R 1 W 5th Principal Meridian
South on East By Section 1

40.00 Set quarter section post

\begin{align*}
\text{Bur Oak} & \quad 20 \text{ S} \quad 12\frac{1}{2} \text{ E} \quad 1.70 \\
\text{Hickory} & \quad 14 \text{ N} \quad 35\frac{1}{2} \text{ W} \quad 1.92 \\
\end{align*}

80.00 Set post corner sections 1.12

\begin{align*}
\text{Y Oak} & \quad 26 \text{ S} \quad 32 \text{ W} \quad 2.62 \\
\text{do} & \quad 22 \text{ N} \quad 4 \text{ W} \quad 52 \\
\end{align*}

Land 2nd rate rolling and very thinly timbered, principally with a young growth of oaks, a hickory
Und[?g]th willow hazle

P 35.

T 77 N. R 1 W South on East boundary of Sec 12

40.00 Set quarter section post

\begin{align*}
\text{Bur Oak} & \quad 17 \text{ N} \quad 49\frac{1}{3} \text{ W} \quad 1.19 \\
\text{do} & \quad 20 \text{ S} \quad 51\frac{1}{2} \text{ W} \quad 57 \\
\end{align*}

64.80 Run run 14 East

80.00 Set post corner sections 12.13

Bearings

\begin{align*}
\text{Y Oak} & \quad 5 \text{ N} \quad 20\frac{1}{2} \text{ W} \quad 29 \\
\text{do} & \quad 8 \text{ S} \quad 6\frac{1}{2} \text{ W} \quad 63 \\
\text{Y Oak} & \quad 8 \text{ N} \quad 23\frac{1}{2} \text{ W} \quad 1.09 \\
\text{do} & \quad 8 \text{ S} \quad 6\frac{1}{2} \text{ W} \quad 63 \\
\end{align*}

Land Uneven 2nd rate Timber, Scattering Oak & hickory's: principally of a young growth

P 36

T 77 N. R 1 W South On east boundary sec 13

40.00 Set quarter section post

\begin{align*}
\text{Y. Oak} & \quad 9 \text{ N} \quad 83 \text{ W} \quad 61\frac{1}{2} \\
\text{do} & \quad 6 \text{ S} \quad 45\frac{1}{2} \text{ W} \quad 1.17 \\
\end{align*}

46.00 Enter small prairie

63.50 Waggon road E & W

\begin{align*}
37\text{Now the northeast corner of Sweetland Township and the northwest corner of Montpeller Township, Muscatine County.} \\
38\text{West Branch Pine Creek.} \\
\end{align*}
BURT'S SURVEY OF FIFTH PRINCIPAL MERIDIAN

Opposite improved field 5 Chs E
To N. E. corner of an improved field
Set post in prairie Corner sections 13.24, where raised a mound
the center of which bears N. dist. 5 lks
Land same except prairie

T 77 N. R 1 W
South On East boundary Sec 24
Leave prairie
Set quarter section post
W Oak 22 S 50 W 2.29
Bur Oak 9 S 83 W 2.34
Run 3 S. E.
Run 7 S. W.
Trible W. Oak 22 in
Set post corner sections 24.25
W. Oak 10 N 60½ W 2.57
Cottonwood 18 S 32 W 1.94
Land 1st ½ principally rich prairie, Last hilly & broken Bur W & B. Oak, hickory, cotton elm &c.

T 77 N. R 1 W
South On east boundary sec 25
Run 4 S. E.
Same 5 S. E.
Same 5 S. E.
Same 5 west
Stream 8 west (another Stream)
W. Oak 22
Set quarter section
W. Oak 24 N 40 W 72½
do 16 S 44 W 30
W. Oak 15 in
do 10
Sled or waggon road N. E.
Set meander post on the right bank of Mississippi River
Cottonwood 10 Corner tree from which a Hickory 16 N 11 W 43
Elm 18 87½
Land poor with broken hills except near Riv. Course of Riv S 60 W
Note. Adjoining & extending below is the Town of Salem 29
Feby 20th [1837]

29The pioneer name of the present village and railroad station of Fairport. It was platted as Salem and is shown as Salem on maps of 1838 and 1839.
I hereby certify that in pursuance of a contract with Robert T. Lytle, Surveyor General of the United States, for the States of Ohio and Indiana and the Territory of Michigan, bearing date, the 1st October 1836, and in strict conformity to the laws of the United States and the instructions of said Surveyor General I have surveyed the exterior Township lines within mentioned and the foregoing are the true and original field notes.

Certified this 14th day of June 1837

Harvey Parke
Dep Sur

M. E. VanBuren
M. B. Smith  
Daniel Gould  
{Chainmen
  Marker

REMARKS

The Winnebago Indians evacuated the County of Alimokee late in the summer of 1848. In the Winter and Spring of 1849 the first Settlements were commenced. No agricultural yeald was realized during that year, by any one farmer, amounting to the sum of $100. Except in the two foregoing Enumerations.

This County is well watered by the Iowa, and Yellow rivers,—and has a fair proportion of Timber,— The soil rich and productive.— The prairies undulating,— Led ore is found along the Iowa, and Mississippi rivers.

The far famed Paint Rock, is situated in this County upon the Shore of the Mississippi river—

This rock is composed of Sand Stone, and rises to the heighth of 300 feet above the Mississippi,—about 100 feet from its base may be seen a number of aboriginal Hieroglyphics, executed in red paint,— Its discovery by the Whites, was made 106 years ago,— The Speckled Trout abounds in the waters of the Iowa. And is no where to be met with South of this Latitude in the valley of the Mississippi.—

Nov. 18th 1850

Eliphalet Price
for taking the Census of 1850

Whole No. of Inhabitants in Alimokee Co—777