GODFREY MINE NO. 5. TIMBER SHAFT

SECTION LOOKING NORTH

LOCATION S.W. NO. 35-36-20
DIMENSIONS 30" x 10'-0" inside of cribbing
6" 400" round timber
ELEVATION 12'-0" x 6'-6"
ELEVATION OF COLLAR 30'-0" above
Top of ore 7000

PLAN OF COLLAR
**GODFREY MINE No.1 SHAFT**

--- **GENERAL DESCRIPTION** ---

**Location:** 36°7'33.75"E NE NE 36, T32N, R20W.

**Elevation of collar above Lake Superior:** 940 ft.

**Inside Measurements:**
- Between wallplates: 10' 0"
- Between endplates: 12' 0"

**Shaft sets are of structural steel with concrete slabs**
- Wallplates: 6' 6" x 23 8/4"
- Endpieces: 6' 6" x 23 8/4"
- Dividers: 6' 6" x 23 8/4"
- Sub-Dividers: 4' 8" x 13 8/4"
- Studs: 3 1/4" x 2" x 2 3/4"

**Size of guides:** 5 x 8"

**Distance apart at sets centers:** 5' 0"

**Shaft started Nov. 20, 1926. Present depth 3316 ft. Attained present depth June 4, 1927. Shaft sunk in**

**Hoisting Vertical**

--- **HOISTING** ---

**Size of skip:** 4' 0" x 3' 6" x 6' 0"

**Capacity of skip:** 84 cu. ft

**Gauge of wood guides:** 4' 8"

**Size of guides:** 5 x 8"

**Load from station are pocket**

--- **CAGE** ---

**Style of cage:** Single Deck with counterbalance

**Gauge of wood guides:** 4' 10"

**Size of wood guides:** 5 x 8"

**Counterbalance cylindrical to operate in**

**10" guide pipe**

--- **SHAFT HOUSE** ---

**Steel structure:** 24' 0" x 36' 0"

**Height of center of sheaves above collar:** 76' 0"

--- **HOISTING PLANT** ---

**Make:** Lake Shore Engine Works

**Type:** Geared Hoist driven by 200 H.P. G.E. Co. Motor, Gear ratio 149:1

**Capacity of drum:** 640 ft

**Length of ropes, 2 only each:** 700 ft

**Size of ropes:** 1/8"

**Hoist in balance:**
- Diameter of drum: 5' 0" face: 4' 0"

--- **CAGE HOIST** ---

**Make:** Remodeled Steam Hoist.

**Type:** Geared Hoist driven by 200 H.P. G.E. Co. Motor, Gear ratio 149:1

**Capacity of drum:** 640 ft

**Diameter of drum:** 5' 0" face: 4' 0"

**Length of ropes each:** 700 ft

**Size of ropes (one non-spinning):** 1/8"

**In balance with cylindrical counterbalance**

--- **COMPRESSORS** ---

- Ingersoll Rand, duplex 2 stage Belt driven by 150 H.P. motors. 750 c.f.m.

--- **PUMPS** ---

- Allis Chalmers horizontal centrifugal 225 g.p.m.
GODFREY MINE NO.1 TIMBER SHAFT

GENERAL DESCRIPTION

Location N.E. of N.E. Sec. 31-58-20 Coordinates: 87,598.85-599,885 W.
Elevation of collar above Lake Superior 325.20 ft.

Inside Measurements

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<table>
<thead>
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<tbody>
<tr>
<td>Distance</td>
<td>Wall Plates</td>
<td>End Pieces</td>
</tr>
<tr>
<td>between</td>
<td>6'0&quot;</td>
<td>8'11&quot;</td>
</tr>
<tr>
<td>Wall Plates</td>
<td></td>
<td>12'x12&quot;</td>
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Sizes of Timbers used

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<tr>
<td>Dividings</td>
<td>6'x6&quot;</td>
<td></td>
</tr>
<tr>
<td>Studdles</td>
<td>12'x12&quot;</td>
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Shaft started Aug 7, 1927 Finished Dec 31, 1927
Bottom of Shaft in Taconite
GODFREY MINE No. 1 SHAFT
N.E. ¼ of N.E. ¼ SEC. 32-58-20

SCALE 1" = 5'

Notes:
- Shaft first 50' lined with temporary wood sets and inter-lined with 6" H steel dividers and 4" H sub-dividers with reinforced poured concrete walls. Lower section steel sets with concrete slabs.
- Location of Shaft N.E. or N.E. 32-58-20
- Coordinates 36°16'00" N. and 72°5 W.

2/1929 6/1929
GODFREY MINE NO. 2 TIMBER SHAFT

GENERAL DESCRIPTION

Location S.E. of S.E. Sec. 29-56-20 Coordinates 2159.785, -656.36
Elevation of Collar above Lake Superior 928.60 ft

Inside Measurements

| Distance between Wall Plates | 6' 0" |
| End Pieces                  | 6' 0" |
| Wall Plates                 | 12 x 12 |
| End Pieces                  | 12 x 12 |
| Dividings                   | 12 x 12 |
| Studs                        | 12 x 12 |

Sizes of Timbers used

Shaft Started: Oct 3, 1927
Finished: Sept 2, 1928

Bottom of Shaft in Taconite
GERALD DESCXiPTION

Location S.E. of S.E. Sec. 29-58-20 Coordinates 47'4'25-560.00W
Elevation of collar above Lake Superior 9392 ft

Inside Measurements

{Distance between Wall Plates 6'0"
End Pieces 6'0"
Wall Plates 12'X12"
End Pieces 12'X12"
Dividings
Studdles 12'X12"

Shaft started Dec 2, 1921 Finished May 25, 1929

Bottom of shaft in Taconite

920 921
ODFREY MINE NO. 4: TIMBER SHAFT

SECTION LOOKING WEST

COLLAR
ELEV. 950.

CLAY
SAND & BOULDER
BIB C Ribbing
6" DIVIDERS
BOULDER,
TA Conite Paint Rock
ORE
SLATE

ORE
ELEV. 690.

Scale = 1" = 20'

Location: N.W. 1/4 Sec. 32, T. 58 N., R. 20 W.

Size of collar: 350.33. Lake Superior Datum.

Measurements taken from top of collar. Dimensions: 6' x 9' inside of cribbing.

Ribbing 8 x 8". Dividers 6" liners 24".

Drawn by: Engineering Dept.

Scale = 1" = 20'
GODFREY MINE NO.4. TIMBER SHAFT

SECTION LOOKING WEST

COLLAR

LEV 950.03

CLAY

SAWBOULDER

G10 CRIBBING

O1 DIVIDER

BOULDER

TACONITE PAINT ROCK

ORE

SLATE

ORE

EL 760.9

Scale 1" = 20'

Location - NW 1/4 NE 1/4 Sec. 32 T 58 R 20

Elev of collar - 950.03 - Lake Superior Datum

Measurements taken from top of collar.

Dimensions - 6' x 9' inside cribbing.

Cribbing 8' x 8' - Dividers 6' - Liners 2'.

Scale - 1" = 20'