

T. Shepard,

Making Barrel Heads.

Patented Nov, 27, 1849.

N^o 6,912.

Fig 1.

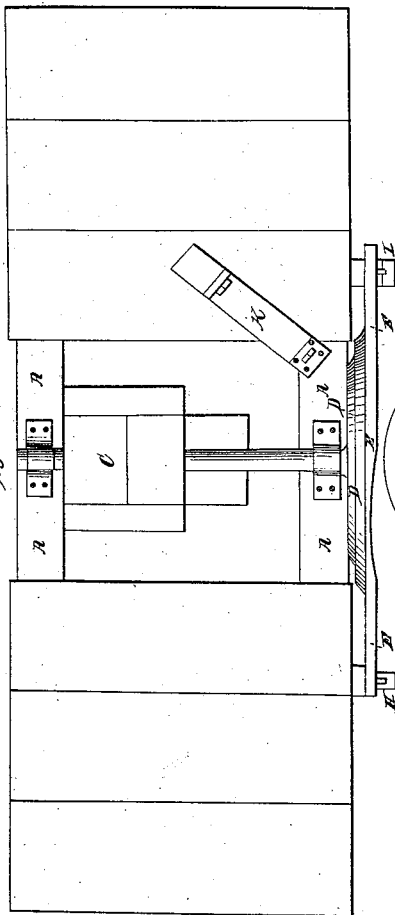


Fig 2.

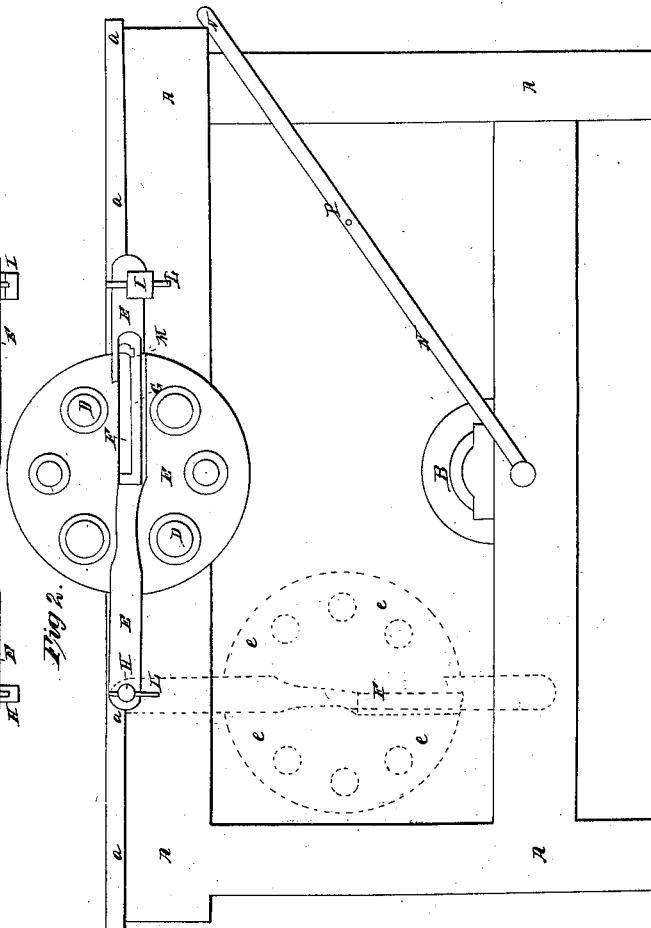
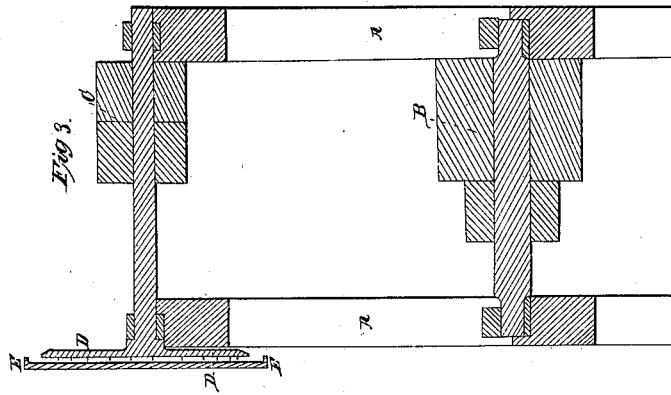


Fig 3.



UNITED STATES PATENT OFFICE.

TIMOTHY SHEPARD, OF OSWEGATCHIE, NEW YORK.

MACHINERY FOR DRESSING BARREL-HEADS.

Specification of Letters Patent No. 6,912, dated November 27, 1849.

To all whom it may concern:

Be it known that I, TIMOTHY SHEPARD, of the town of Oswegatchie, in the county of St. Lawrence and State of New York, have
5 invented a new and useful Machine for Turning Barrel-Heads; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had
10 to the annexed drawings, making a part of this specification, like letters referring to like parts of the machine, in the several figures, in which—

Figure 1, is a descriptive view of the top surface. Fig. 2, is a view of the side elevation; Fig. 3, is a view of a cross section, through the center.

A, A, A, A, is a wooden frame.

B, is a pulley on an arbor, for a band running from the main drum.

C, a pulley and arbor to be driven by a band from pulley B; D, D, a faced plate with small wedgelike points on the surface, near the circumference, with the edges all
25 parallel with each other; E, E, E, a cast iron shield covering the faced plate D, D, when in motion, having a circular flange extending toward the faced plate D, D. It rests and is supported by two arms resting on the
30 pins H, I, and is held to its place by keys L, L.

F is an oblong hole cut in the shield from its circumference to the center, with a flange or protuberance. G on the underside, for
35 a rest, and end of the cut or opening F, a notch M, at the circumference of the shield. H, a circular pin with keyholes, and Key L. I, a square pin, with keyholes, and key L, and notch. K, a small plane on a hinge, so
40 hung as to fit the bevel on the back side of the faced plate D, D, at the circumference, as seen in Figs. 1 and 3. L, L, keys to hold the shield E, E, E, to its place. M, a notch on the lower side of the opening F, at the
45 circumference of the shield, through which the head is turned into a circular shape. N, N, a wooden lever, playing on the point. O, a pin in the frame. P, an iron pin in the lever N, projecting on the back, or inside,
50 toward the machine. a, a, a, a, the top of the machine.

The machine operates as follows: With the machine at rest, and the shield E, E, E, hanging perpendicularly from the pin H, as seen in Fig. 2, the lever N, is raised to a per- 55 pendicular position, and the pieces of heading, having been previously brought to a uniform thickness, and jointed on the edges, are placed edgewise, one on the other, the bottom one resting on the pin P. They are
60 then driven with a mallet or hammer upon the points projecting from the faced plate D, D, D, D. The lever is then returned to its position as seen in Fig. 2, and the shield E, E, E, E, is raised from its perpendicular 65 to a horizontal position, the lower end resting in a notch in the square head or pin I, and the keys L, L, are put in their places.

The machine is then set in motion, when with a pointed tool or chisel, used through 70 the notch M, the heading is brought to a circular form. The face or top of the head is then turned, through the opening F, with a chisel having the right hand corner turned up like a gouge, and smoothed with a chisel 75 having an edge equal to half the diameter of the shield, in length: The plane K, is then brought forward, and in contact with the heading, and pressed down, till it comes in contact with the rear bevel of the faced 80 plate D, D, D. This prepares the bottom, or large bevel of the head,—the smaller or top one is then turned with a small hand chisel, through the opening F. This finishes the head ready for market, and the cooper's 85 use.

The nature of my invention consists in providing a way for turning the face or top of the head, and the edge, and bevels of the same, at the same operation. 90

What I claim as my invention and desire to secure by Letters Patent is—

The application of the shield with the orifice and rest attached to the same in combination with the plane K to prepare the 95 larger bevel.

Ogdensburg, November 2d, 1849.

TIMOTHY SHEPARD.

Signed in presence of—

J. C. BARTER,
STILLMAN FOOTE,