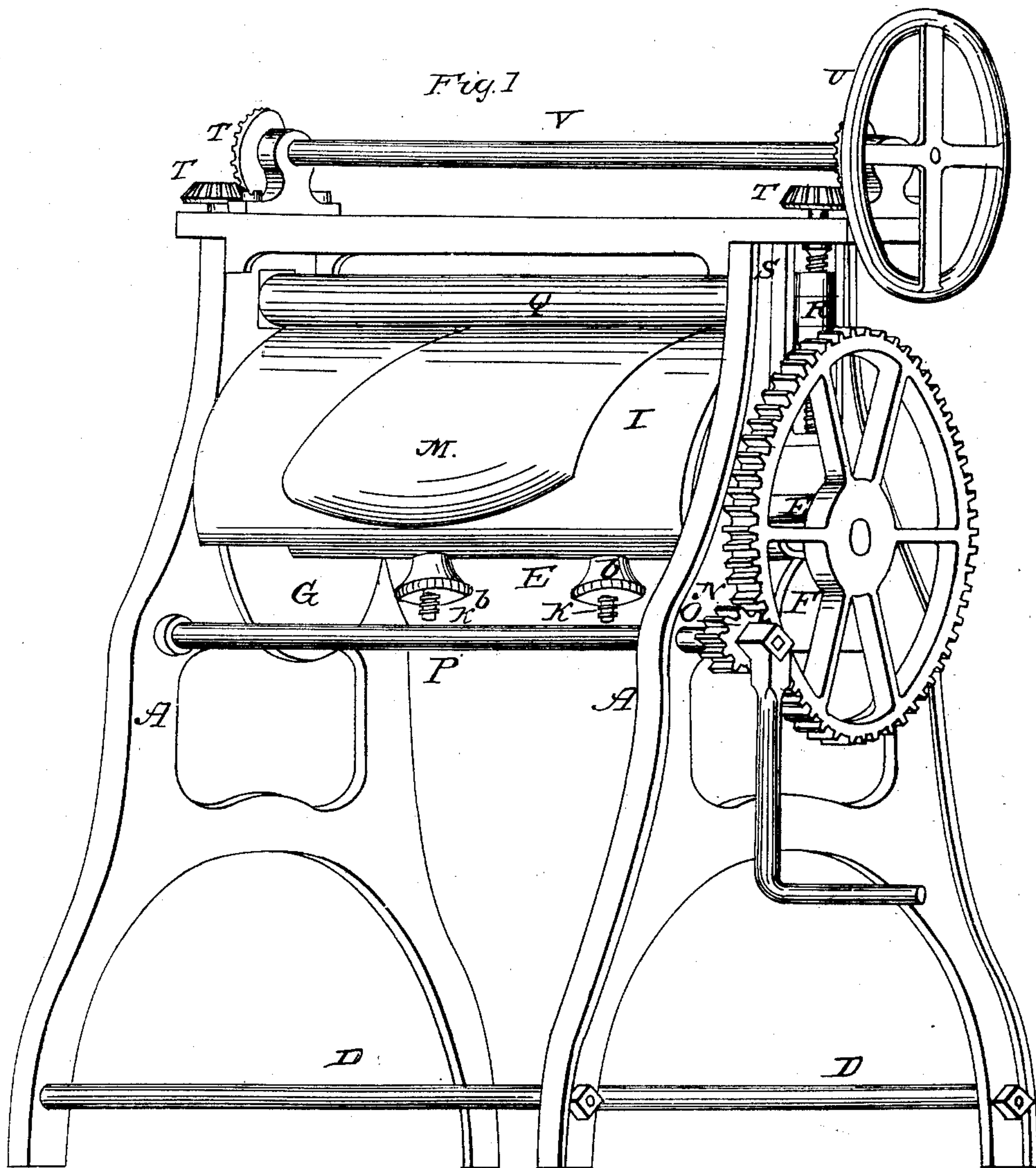


W. W. SKINNER.
Plow Mold Board Bending Machine.

2 Sheets—Sheet 1.

No. 27,078.

Patented Feb. 7, 1860.

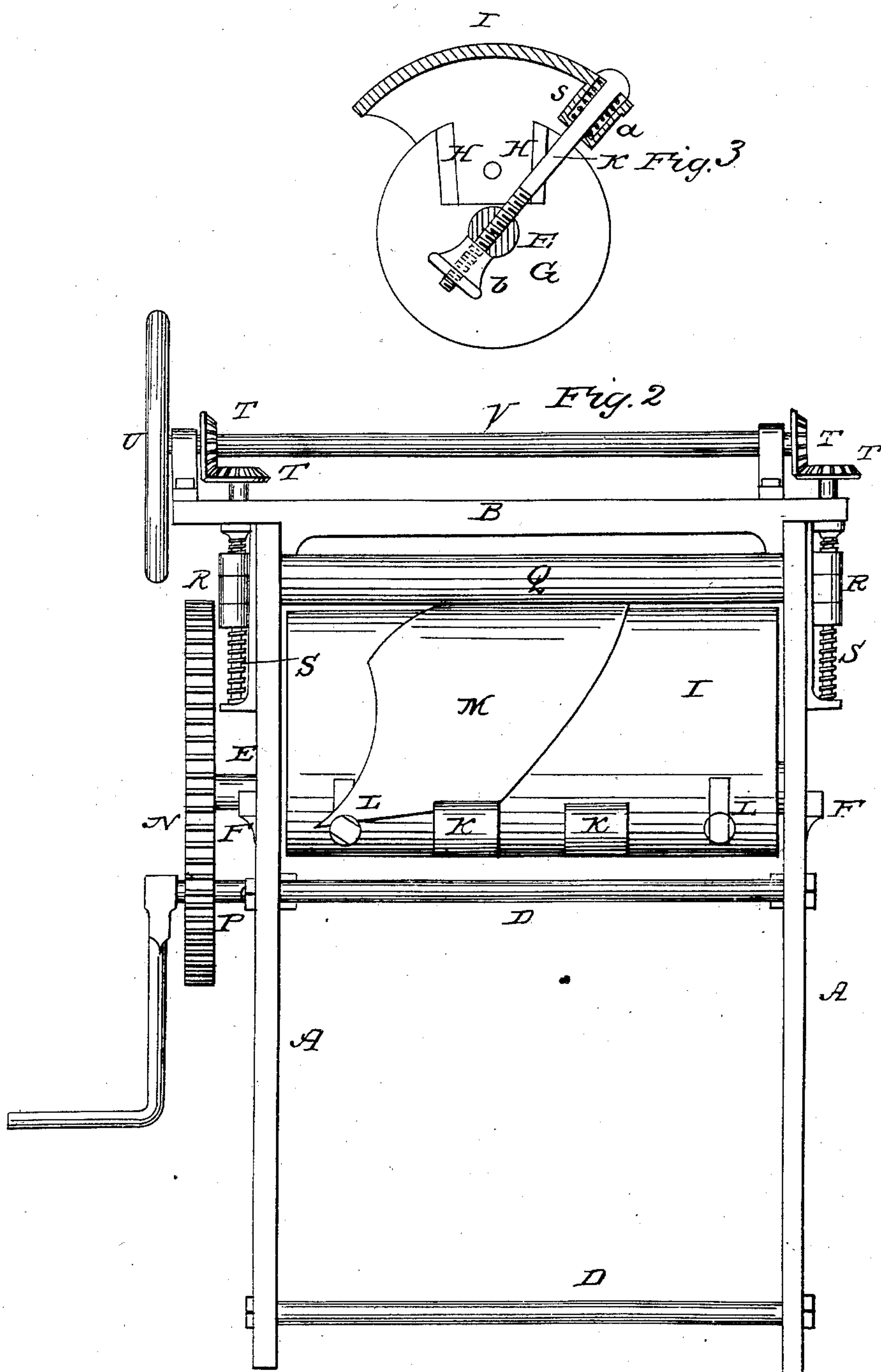


W. W. SKINNER.

Plow Mold Board Bending Machine.

No. 27,078.

Patented Feb. 7, 1860.



UNITED STATES PATENT OFFICE.

W. W. SKINNER, OF DAVENPORT, IOWA.

MACHINE FOR BENDING MOLDBOARDS FOR PLOWS.

Specification of Letters Patent No. 27,078, dated February 7, 1860.

To all whom it may concern:

Be it known that I, W. W. SKINNER, of the city of Davenport, county of Scott, and State of Iowa, have invented a new and useful Machine for the Purpose of Bending Accurately the Moldboards of Plows; and I hereby declare that the following is a clear, full, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective elevation, Fig. 2 an elevation, Fig. 3 a detail of stave, and to the letters of reference thereon.

The machine is composed of two side standards A, A, Figs. 1 and 2, joined together by a top plate B and rods D, D. Upon the shaft E, resting in boxes F, cast on the side standards A A, are keyed permanently two flanges C, on which are cast two dovetails H H, Fig. 3, for the purpose of receiving stave I. At one side of stave I, Fig. 3, are two recesses J, cast for the purpose of receiving bolt K and spiral spring α , bolt K passing through the recess J and also through the shaft E and tightened by thumb screw L, the office of which is to secure and keep in its proper position the moldboard during the operation of bending whether right or left handles. Spiral spring α is used for the purpose of raising bolt K to receive the plate.

On the same side of stave I are two slots C for the purpose of receiving two movable set screws L, the object of which is to vary at pleasure the angle of the moldboard M.

The stave I flanges C C and shaft F, Fig. 1, are made to revolve by means of a wheel N operated upon by pinion O on shaft P to which is attached a crank or arms for the purpose of operating the same.

Q, Figs. 1 and 2, is a revolving and movable roller resting in sliding boxes R, through which pass screws S, provided with miter wheels T T, T T operated simultaneously by hand wheel U and shaft V, thereby keeping roller Q parallel with stave I. Roller Q is movable for the purpose of being adopted to any thickness of moldboard or any diameter of stave which may be placed in the machine.

The dove tails H H Fig. 3 cast in flange G are for the purpose of receiving staves of different diameters in order to bend moldboards to circles adapted to different sizes of plows, thereby facilitating the manufacture of plows of different sizes.

I do not claim the use of rollers for bending plow moldboards or any of the described parts except as shown and set forth in the claim.

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

The stave I (or staves I) roller Q bolt K and movable set screw L when combined and arranged and operated in the manner and for the purpose set forth.

WM. W. SKINNER.

Witnesses:

SAM PERRY,
HORATIO G. BARNER.