

Jonathan Null.
Wood Boring Mach.

No. 75,785.

Patented Mar 24 1868.

Fig. 1

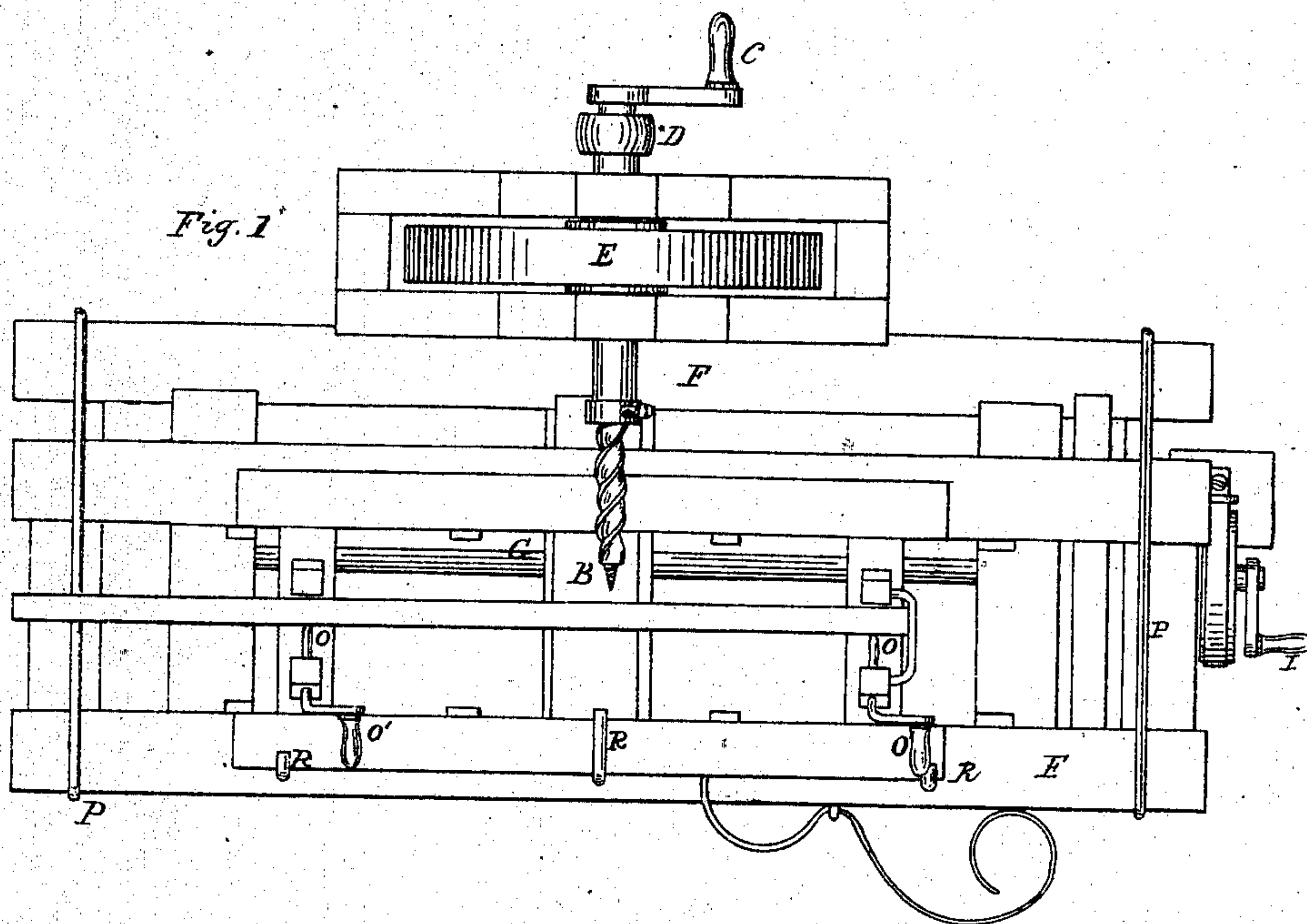


Fig. 2

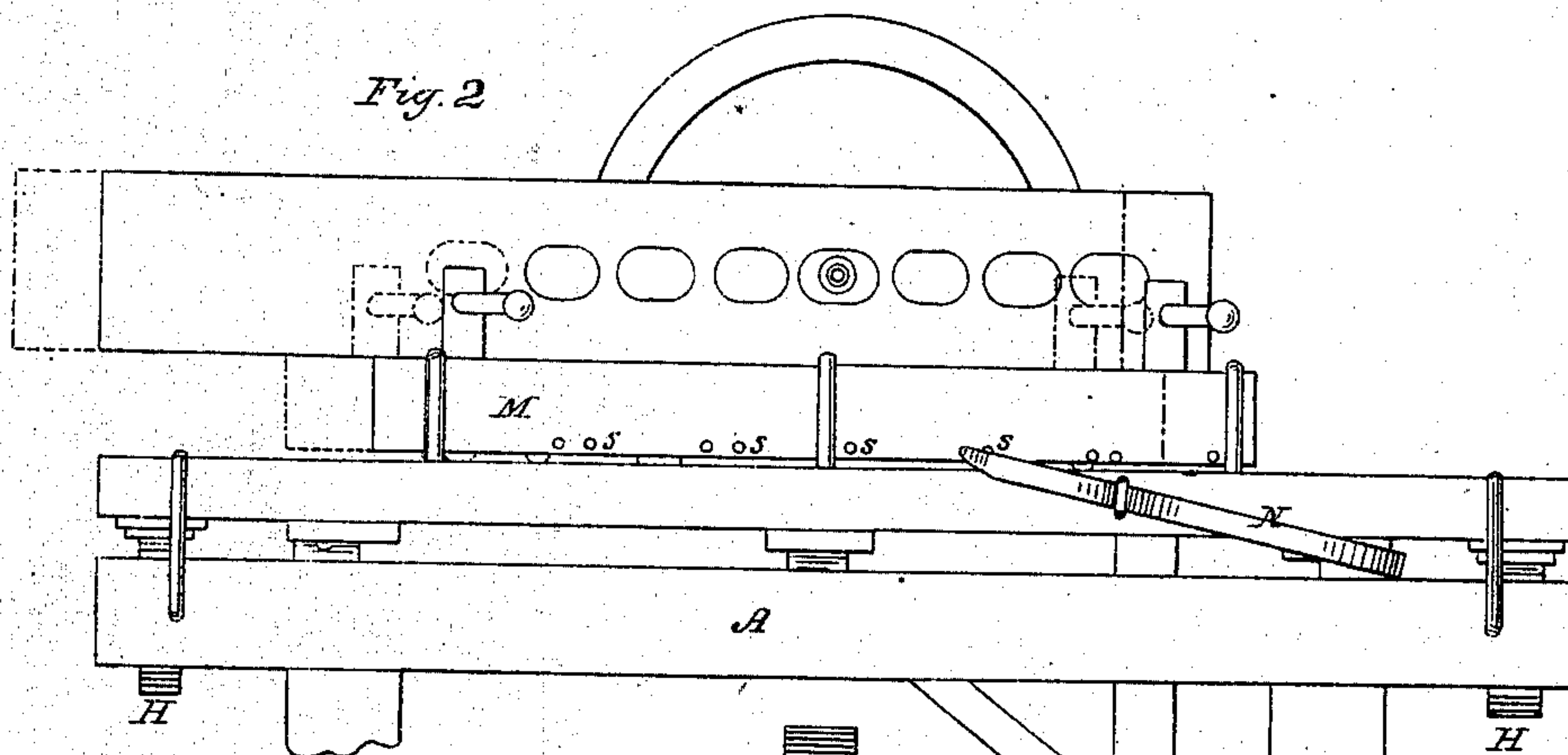
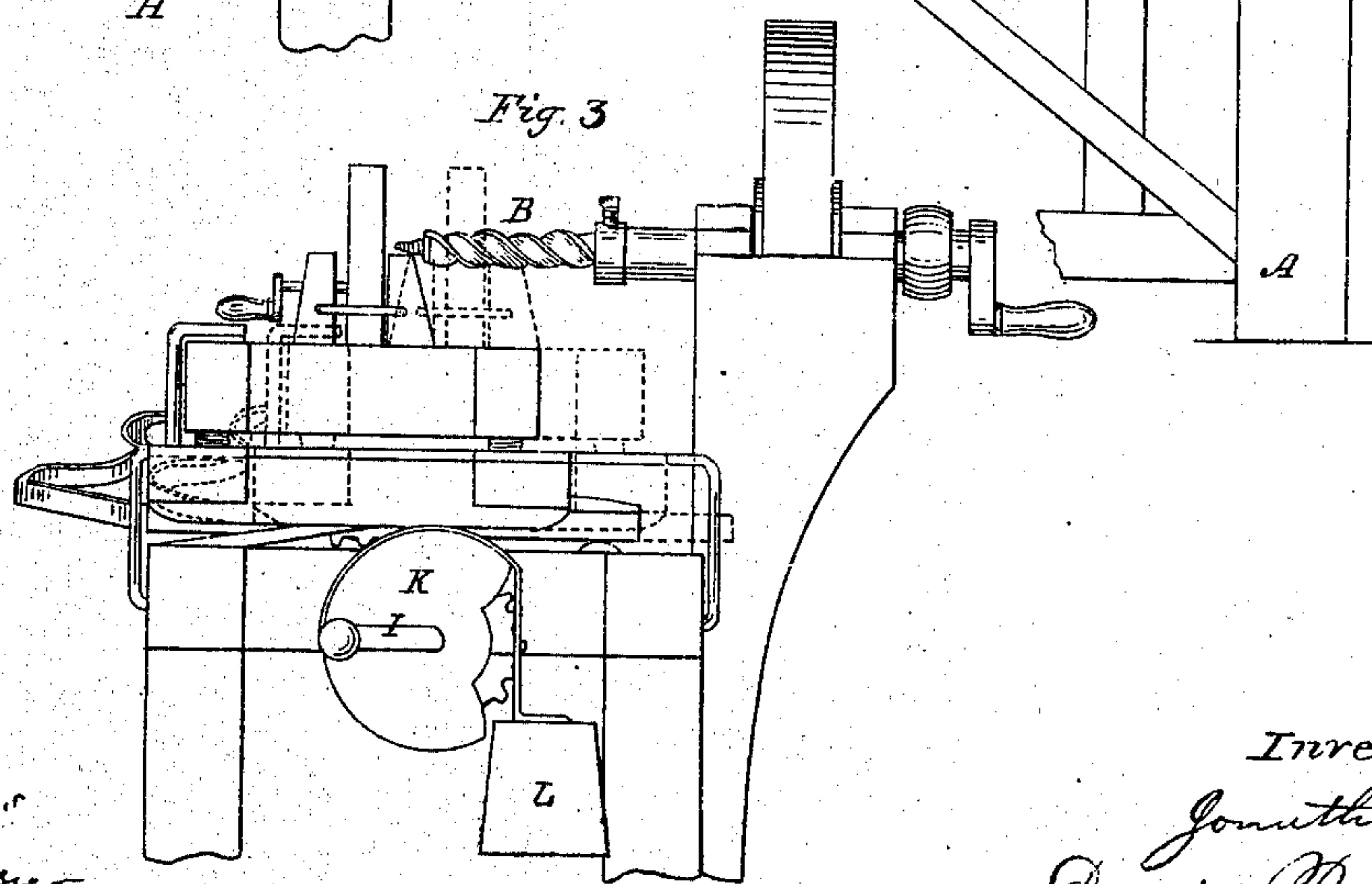


Fig. 3



Witnesses
Saml. J. Hayes.
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United States Patent Office.

JONATHAN NULL, OF QUINCY, PENNSYLVANIA.

Letters Patent No. 75,785, dated March 24, 1868.

IMPROVEMENT IN WOOD-BORING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JONATHAN NULL, of Quincy, in the county of Franklin, and State of Pennsylvania, have invented a new and useful Improvement in Machines for Boring Posts; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in a novel arrangement of frames and other devices for holding a post for boring, and also in moving the post conveniently in relation to the auger. In the accompanying drawings—

Figure 1 is a top view of my machine.

Figure 2 is a side view of the same; and

Figure 3 is an end view.

In the construction of my machine, a suitable frame, A, is made, and the auger B arranged thereon, as seen in figs. 1 and 3. The auger may have a crank, C, for working by hand, and also a pulley, D, for a hand, and the use of power. It is also provided with a balance-wheel, E. Upon the main frame A is arranged another frame, F, which has a lateral motion, by means of a shaft, G, carrying two cog-wheels H, working in ratchet-bars, and a crank, I. This shaft is also provided with a half-wheel, K, and a weight, L, which serves to press the frame F toward the auger while boring, and thus give proper feed. A third frame, M, is placed upon the frame F, and provided with a sliding motion, to carry the post forward from hole to hole in boring. This frame may be fixed by means of a set-spring or hook, N, fig. 1, which catches in the holes S, in frame M. The post is held in place upon the frame M by means of set-screws O, which are worked by cranks O'. The frames are held together by suitable guide-rods P and hooks R.

I do not confine my invention to the precise details above described, but propose to vary the same as practical experience demands, so long as the machine is substantially the same.

I am aware that post-boring-machines have been constructed, and therefore limit my claims to the above-described improvements.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The frame F, moved by the shaft G, cog-wheels H, crank I, wheel K, and weight L, and the movable frame M, controlled by the spring N, when constructed and arranged to operate substantially in the manner and for the purposes as set forth.

JONATHAN NULL.

Witnesses:

GEORGE W. KEAGEY,

F. A. COOK.