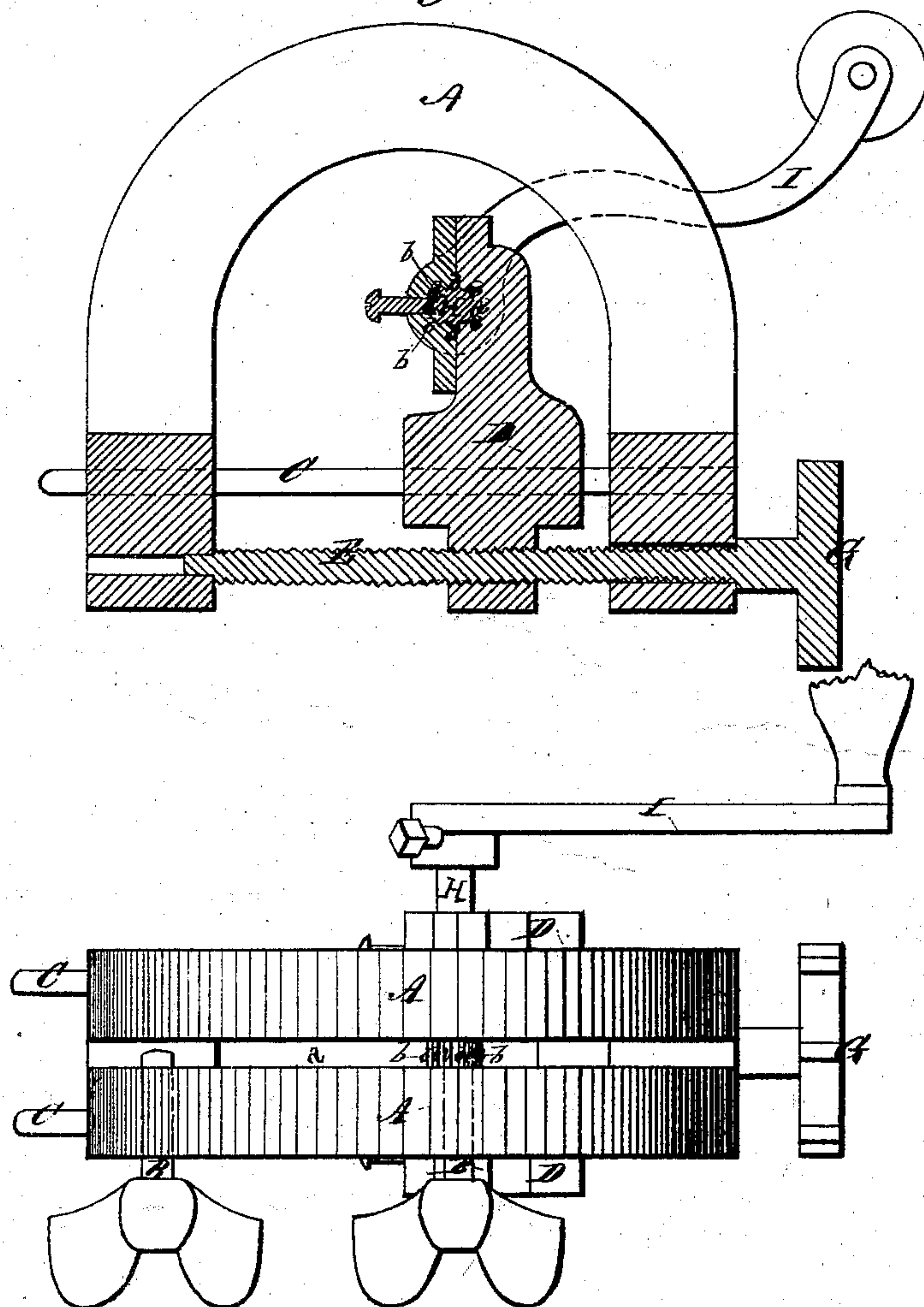


W. B. NOYES.
Saw-Gummers.

No. 152,675.

Patented June 30, 1874.

Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

WALTER B. NOYES, OF MANCHESTER, NEW HAMPSHIRE.

IMPROVEMENT IN SAW-GUMMERS.

Specification forming part of Letters Patent No. **152,675**, dated June 30, 1874; application filed June 20, 1874.

To all whom it may concern:

Be it known that I, WALTER B. NOYES, of Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Saw-Gummers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a saw-gummer, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal section of my saw-gummer, and Fig. 2 is an inverted view of the same.

A represents the gummer, of semicircular shape, provided with a slot, *a*, in which the screws B B press against the sides of the saw. The slot *a* does not extend entirely through the gummer, but leaves a suitable portion at each end solid. In these solid ends of the gummer are placed two rods, C C, which pass through the carriage D to guide the same. A screw, E, which has its bearings in the ends of the gummer, and provided, at its rear end, with a knob or hand-wheel, G, is screwed through the carriage D, so that by turning said knob in either direction the carriage is

moved either back or forth. In the lower end of the carriage D is placed a shaft, H, provided, within the carriage, with elongated cogs *b b*, and at one end with a crank, I.

The operator stands on the back side of the saw, turning the crank I with one hand, and at the same time feeding up the cutter attached to the carriage D by turning the knob G, the carriage being supported by the rods *c*. The object of this is to provide a means so that the operator can see the direction the cutter is working, so as to cut on a line, and at the same time be able to remove and place the gummer on the same cutting-line, so as to prevent the working irregular forms in the teeth.

I am aware that saw-gummers having movable carriages and set-screws for holding the saw have been used, and therefore do not claim such a device, broadly; but

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The carriage D, constructed as described, and mounted upon the rods C C, in combination with the semicircular slotted gummer A and screw E, the several parts being arranged as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WALTER B. NOYES.

Witnesses:

J. H. HAYNES,
JOSEPH NICHOLS.