

I. D. Wheeler, Shoe-Upper Machine,

N^o 61,589.

Patented Jan. 29, 1867.

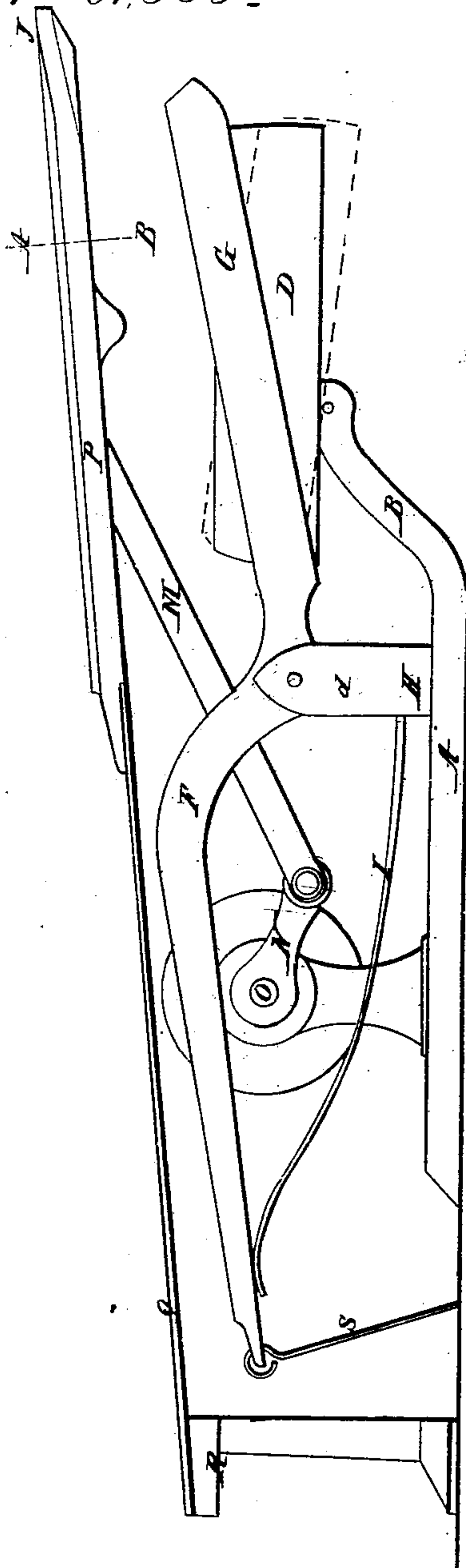


Fig. 1.

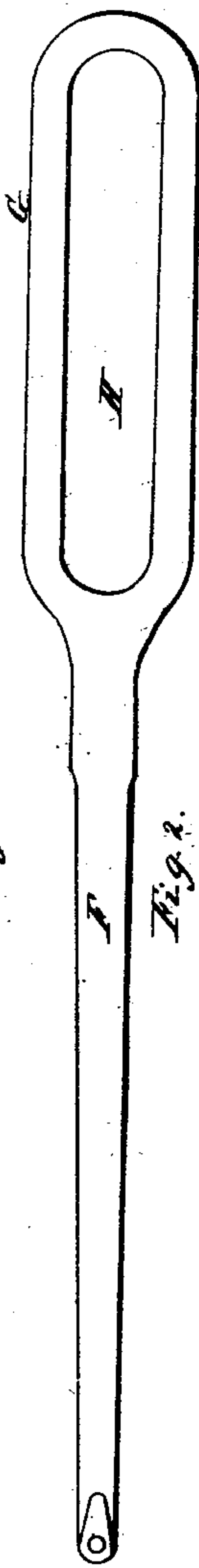


Fig. 2.

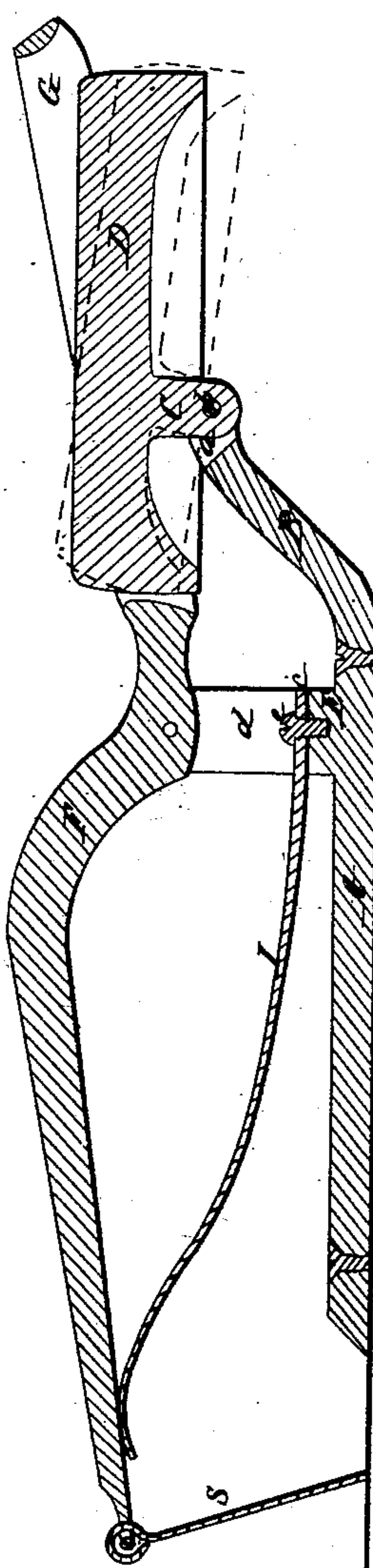


Fig. 3.

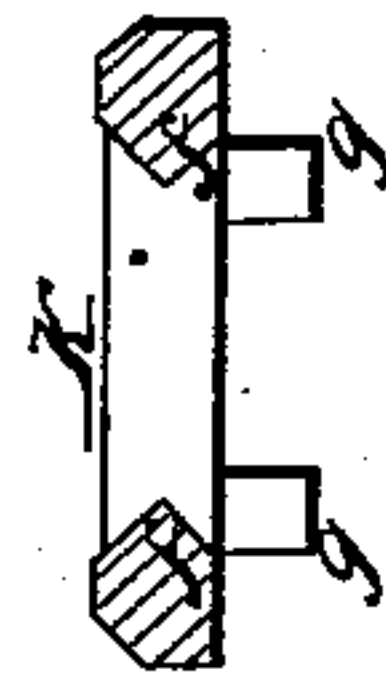


Fig. 5.

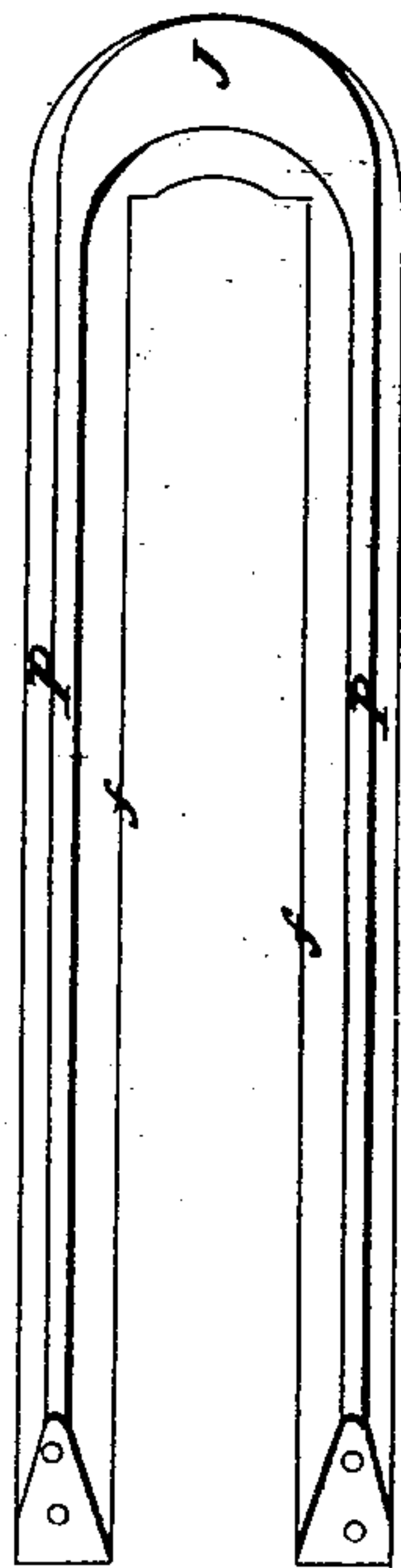


Fig. 4.

Witnesses:
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LORENZO D. WHEELER, OF FITCHBURG, MASSACHUSETTS.

Letters Patent No. 61,589, dated January 29, 1867; antedated January 21, 1867.

IMPROVED OSCILLATING SEAM RUBBER.

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

KNOW ALL MEN BY THESE PRESENTS :

That I, L. D. WHEELER, of Fitchburg, in the county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Machines for Rubbing Down Seams in the Manufacture of Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side view of my improved machine.

Figure 2 represents a top or plan view of the clamp.

Figure 3 represents a longitudinal central section of the clamp, its frame and seam-rest or table.

Figure 4 represents a top or plan view of the frame in which the rubber frame slides; and

Figure 5 represents a cross-section of the slide-frame, as shown in fig. 1, looking in the direction of the arrow, fig. 1.

To enable others skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it.

In the drawings, A represents the base or bed-piece; the front elevated end B is slotted out, as seen at *a*, to receive the tongue C of the seam-rest or table D, which is hinged at *b* in the slot *a*, in the end B of the base-piece A. A stand, E, rises from the top of the bed-piece A, and is slotted or carved out above the point *c* to receive the clamp F, which is hinged between the sides *d d*, as shown in figs. 1 and 3. The front part G of clamp F has an opening, H, into which the seam-rest or table D fits when the former is depressed. I is a spring, fastened at one end by a screw, *e*, to stand, E, between the pieces *d*, while the other end presses up against the rear end of clamp F, as fully shown in the drawings. J is the frame in which the slide K works, the latter being moved back and forth by means of the pitman M, which is hinged at one end to the rear of slide K, and is connected at the other end to a crank, N, upon shaft O; the latter may be operated by power in any convenient manner. Frame J has two arms or branches P P, which are U-shaped upon their inner edge, as seen at *ff*, to fit corresponding grooves in slide K. The rear ends of arms P are attached to springs Q, (one of which is seen in fig. 1,) which extend back and are fastened to a stand, R, in such a manner as to retain slide-frame J in the position shown in fig. 1, when not depressed by the operator. S is a wire or other suitable connection, by which the clamp F is elevated in front. Slide K has ears, *g g*, between which a rubber may be placed.

The operation is as follows: The operator depresses the rear end of clamp F into the position shown in figs. 1 and 3, when the front of the table D drops into the position shown in red lines, figs. 1 and 3, whereby the leather can be easily inserted between the front part G of clamp F and the table D, the seam being placed so as to be directly under the slide K. Clamp F is now allowed to rise in the rear, thereby depressing the part G, and clamping the leather securely upon the table D. Power is now applied to shaft O, which gives a rapid reciprocating motion to slide K, which carries the rubber. The operator now depresses frame J, so as to cause the rubber to work back and forth upon the seam, which is soon rubbed down flat upon the table D, after which the part G is elevated, the leather removed, and a new piece inserted, when the operation is repeated.

Having described my improved seam rubber, what I claim therein as new, and desire to secure by Letters Patent, is—

1. The combination and arrangement of the clamp F and table D with bed-piece A, slide-frame J, and slide K, substantially as and for the purposes set forth.
2. The combination with clamp F, constructed as shown and described, of table D and spring I, substantially as and for the purposes set forth.
3. The combination with frame J of slide K and springs Q, as and for the purposes stated.

Witnesses:

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