

C. H. Rice. Boot-Crimper.

N^o 74.848.

Patented Feb. 25. 1868.

Fig: 1.

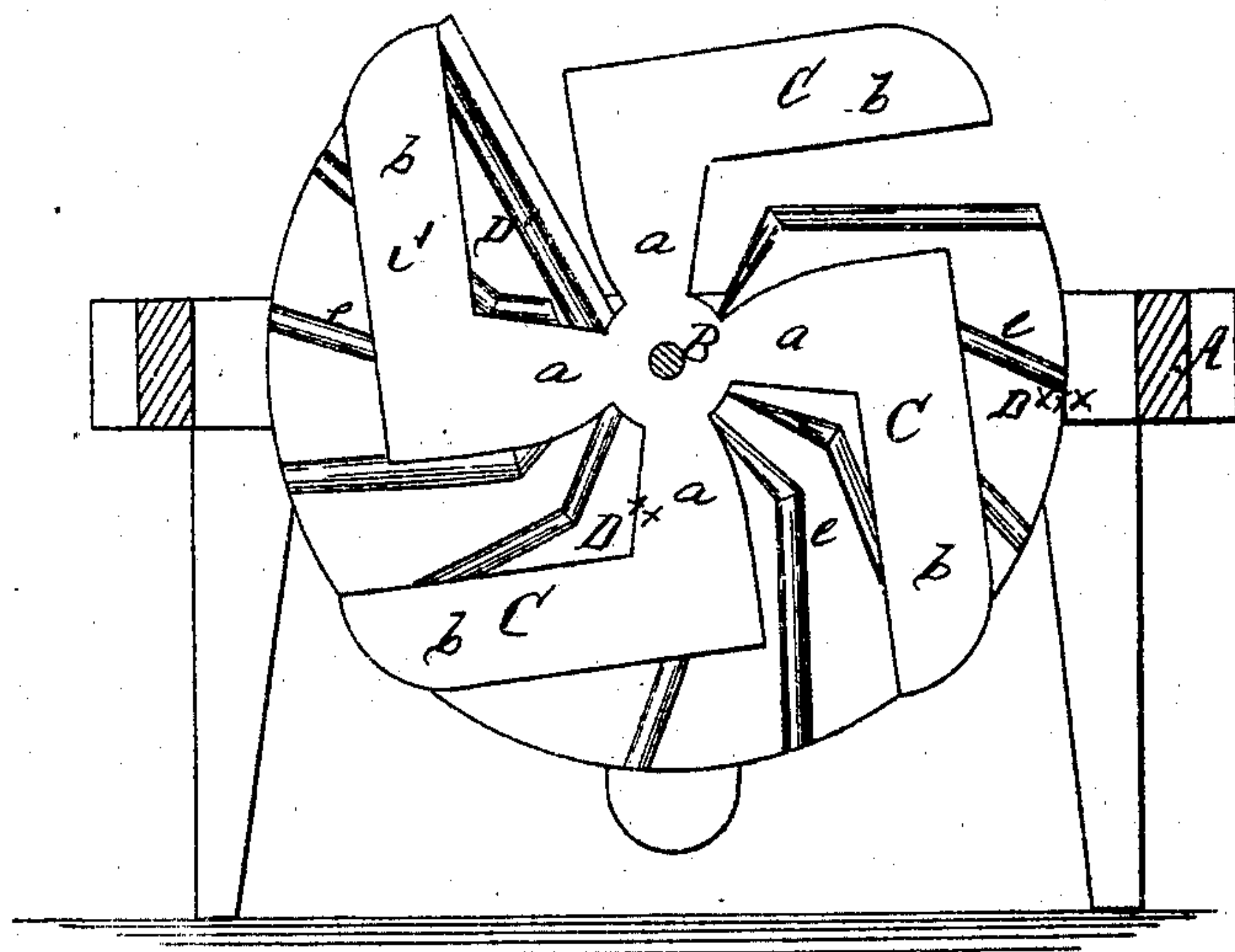


Fig: 2

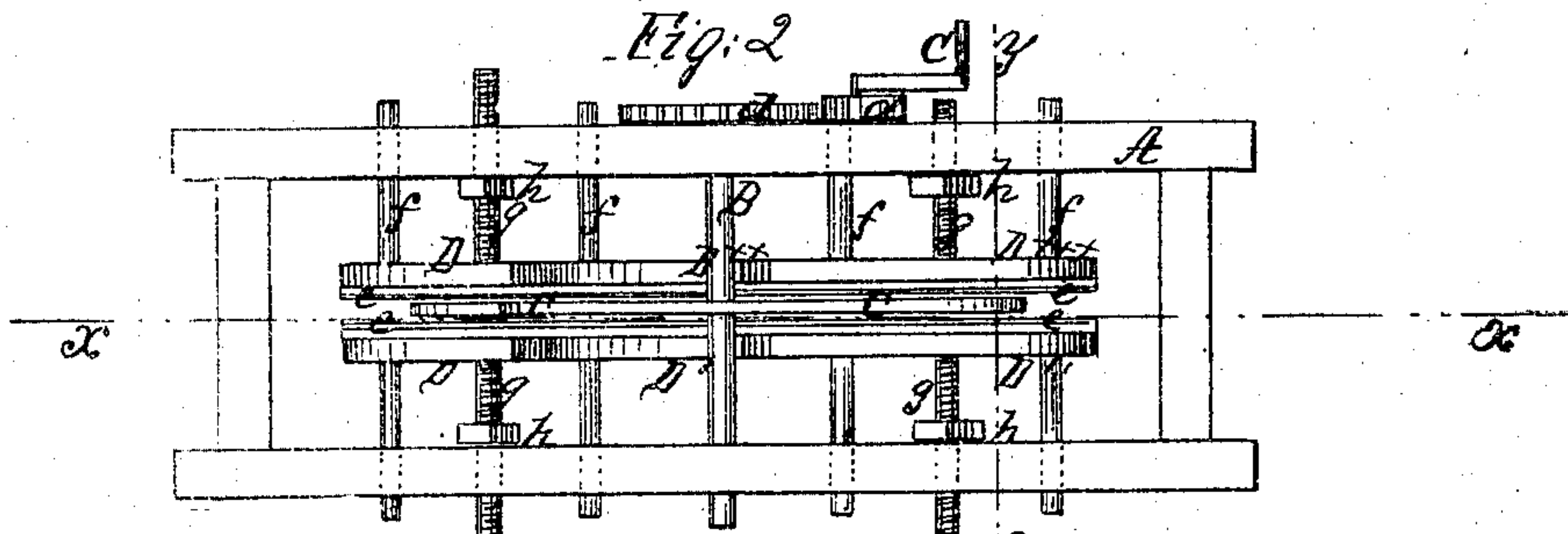
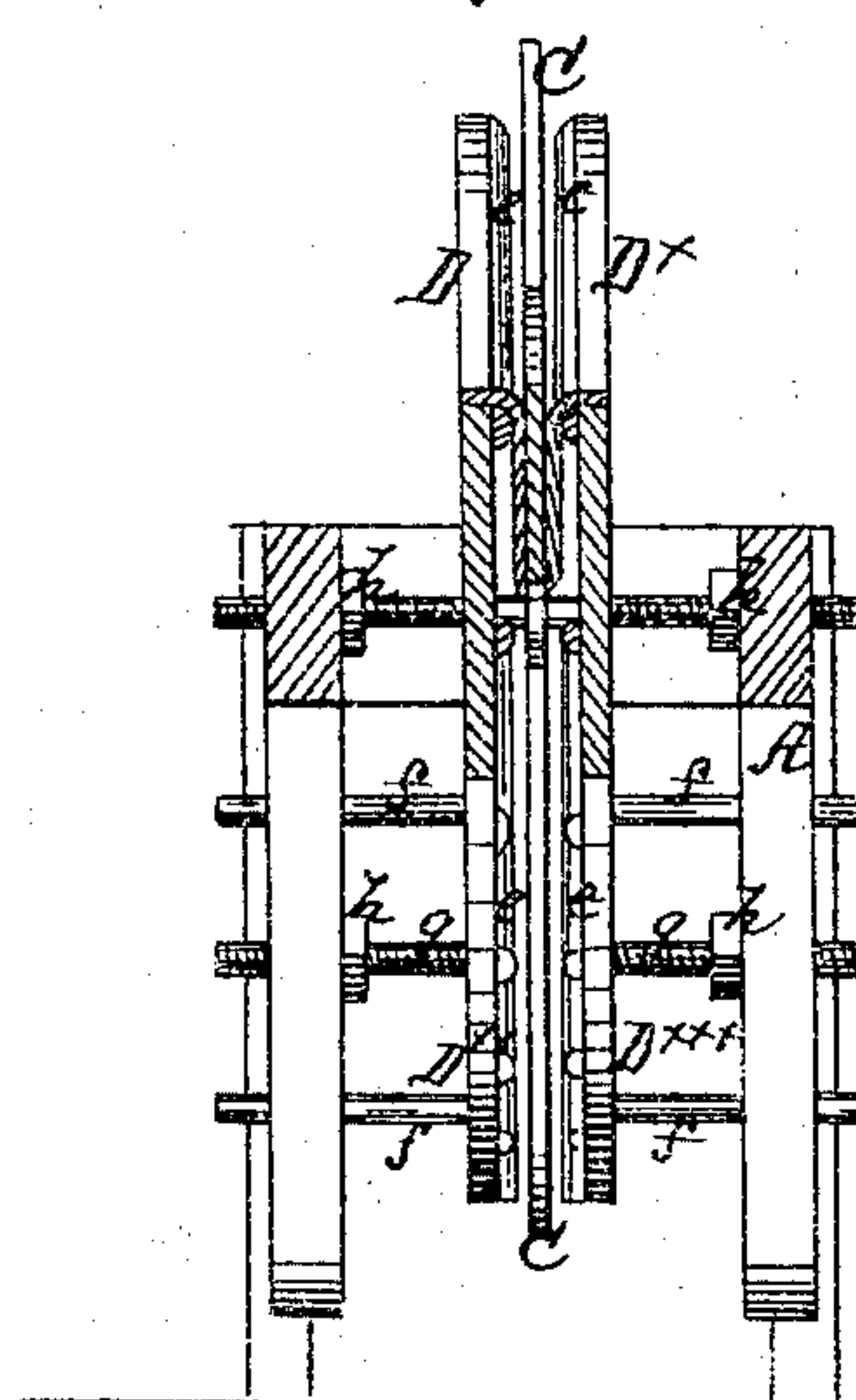


Fig: 3



Witnesses
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United States Patent Office.

C. H. RICE, OF PORT HENRY, NEW YORK.

Letters Patent No. 74,848, dated February 25, 1868.

IMPROVED BOOT-CRIMPING MACHINE.

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, C. H. RICE, of Port Henry, in the county of Essex, and State of New York, have invented a new and improved Boot-Crimping Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying plate of drawings, forming part of this specification.

This invention relates to a new and improved machine for crimping boots, and it consists of a series of rotary trees, in connection with a plurality of jaws or pressure-plates, all constructed and arranged in such a way as to admit of boots being crimped rapidly, and in a perfect manner. In the accompanying plate of drawings—

Figure 1 is a side vertical view of my invention, taken in the line *x x*, fig. 2.

Figure 2, a plan or top view of the same.

Figure 3, a transverse vertical section of the same, taken in the line *y y*, fig. 2.

Similar letters of reference indicate corresponding parts.

A represents the frame of the machine, which may be constructed of wood or metal, and B is a shaft, placed transversely on said frame, and having four boot-trees, C, attached, which are of rectangular form, and all connected, the inner or leg portions, *a*, being radial with the shaft B, and the foot portions, *b*, being at right angles with the leg portions, *a*, as shown clearly in fig. 1. These trees are constructed of iron, and they have a rotary motion communicated to them by means of a crank, *c*, and gearing *d d*, as shown clearly in fig. 2. D D' D'' and D^x D^x D^x represent jaws or pressure-plates, which are designed to be of cast iron, their outer edges forming portions of a circle. These jaws or plates are arranged in pairs, D being opposite to or by the side of D^x, D' by the side of D^x, and D'' by the side of D^x, (see figs. 2 and 3.) The inner surfaces of these jaws or pressure-plates are provided with ribs *e*, and each jaw or plate has two arms or shafts, *f*, which pass loosely through the sides of the frame A, and are allowed to slide freely therein. In the sides of the frame A screws *g* are fitted loosely, each screw having an India-rubber spring, *h*, upon it, said springs fitting on the screws like nuts. The inner ends of the screws *g* bear against the jaws or pressure-plates, and, by turning or adjusting the springs *h*, a greater or less pressure of the jaws or plates against the leather on the trees may be obtained, as desired. The leather is adjusted on the trees C, and the latter rotated so as to press between the jaws or pressure-plates, the latter smoothing or crimping the leather, and adjusting it snugly on the trees, so that the work will be done in a perfect manner.

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

The rotary boot-trees C, in combination with the jaws or pressure-plates D D' D'', D^x D^x D^x, all being constructed and arranged to operate in the manner substantially as and for the purpose set forth.

The above specification of my invention signed by me, this 30th day of September, 1867.

C. H. RICE.

Witnesses:

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