

J. W. FIFIELD.

COUNTER AND WELT SKIVING MACHINE.

No. 175,598.

Patented April 4, 1876.

Fig. 1.

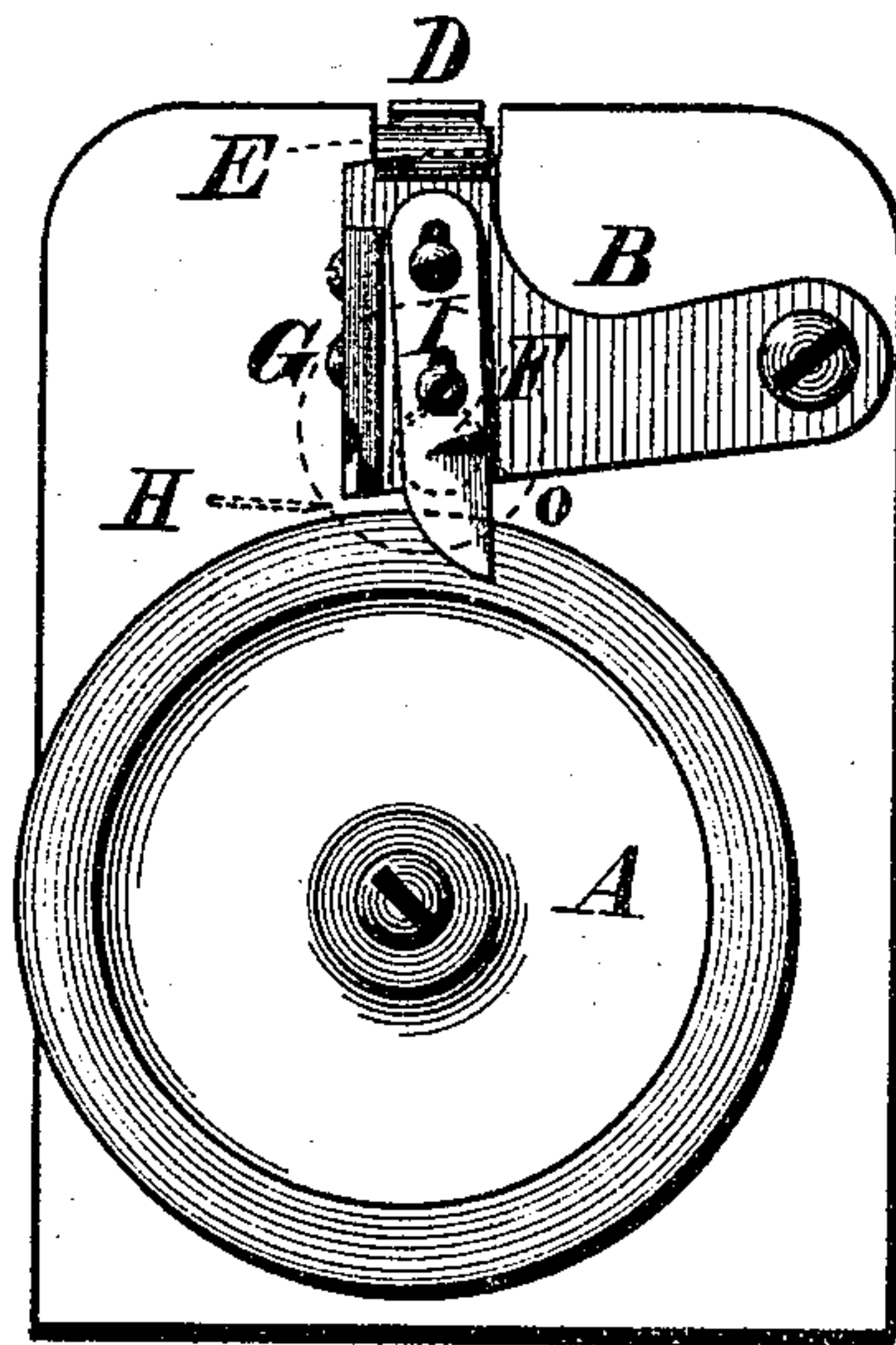
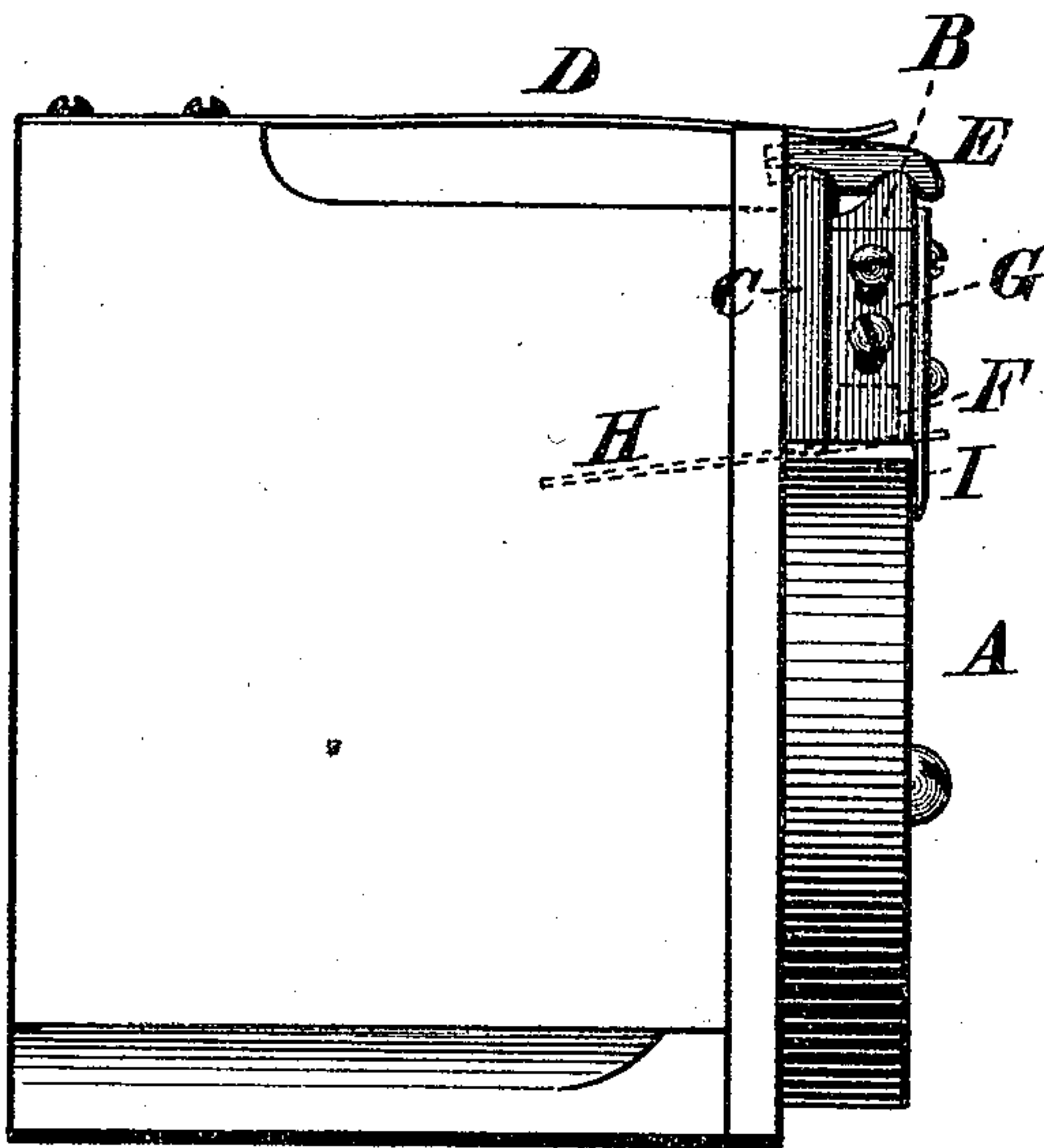


Fig. 2.



Witnesses;

Edward H. Hill.
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BY HIS ATTY.,
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UNITED STATES PATENT OFFICE.

JOHN W. FIFIELD, OF NORTH BROOKFIELD, MASSACHUSETTS.

IMPROVEMENT IN COUNTER AND WELT SKIVING MACHINES.

Specification forming part of Letters Patent No. **175,598**, dated April 4, 1876; application filed March 3, 1876.

To all whom it may concern:

Be it known that I, JOHN W. FIFIELD, of North Brookfield, in the county of Worcester and State of Massachusetts, have invented an Improved Counter-Skiver and Welt-Machine, of which the following is a specification:

My invention relates to the skiving or paring the edge of the leather down to a thin or knife edge, and also, by adjusting one knife, to make the same machine operate as a welt-machine, cutting and skiving two at a time.

Its nature is shown in the accompanying drawings and description of a machine embodying my invention.

In said drawings, Figure 1 is a front view or elevation, and Fig. 2 is a side view from the left of Fig. 1, the same parts being indicated by the same letters of reference in each.

A is a feed-wheel, pivoted on a suitable frame, which also supports the adjustable knife H, in the usual way. B is a bearing-lever, hung at one end, and having a small roll, F, near the other, projecting slightly, so as to bear on the leather on the wheel A, and an adjustable face-plate, G, to rest on the surface of the leather sufficiently to hold it in place for the knife H, the spring D operating through the saddle E, insuring a proper bearing. Back of B is a similar piece, C, without the roll or face-plate, and is made thinner than B, designed to insure the edge of the leather being held close to the wheel A in front of the knife H, and for that purpose is capable of motion from the same spring D, independent of B, this being accomplished by the saddle E between the spring D and the bearers. These pieces B and C act together

and as one piece on even leather, and when an uneven place or the piece is put in a second time, then the part C keeps the edge down to place by falling a little below B. The plate G is secured to B by screws in slots, that it may be set down when worn. For making welts the knife I is secured to B, as shown, with its edge cutting near the wheel A, and the thickness of B and C being made the width of two welts, so that when a piece of leather is passed through, the knife I cuts off a strip the right width, and the knife H splits and skives the two welts at once into the usual form. The wheel A may be driven by any suitable means. A circular knife may be used in the place of the knife I, as shown in broken lines.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a counter-skiving machine, the combination of a double bearer, B C, adapted to operate separately or jointly, with the spring D and saddle E, all substantially as and for the purposes described.

2. In combination, the roll F, bearer B, and spring D, substantially as set forth.

3. In combination, the adjustable plate G, bearer B, spring D, and wheel A, all substantially as and for the purposes described.

4. In combination, the knives I and H, bearer B, and wheel A, all substantially as and for the purposes described.

JOHN W. FIFIELD.

Witnesses:

JOSEPH GATES,
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