

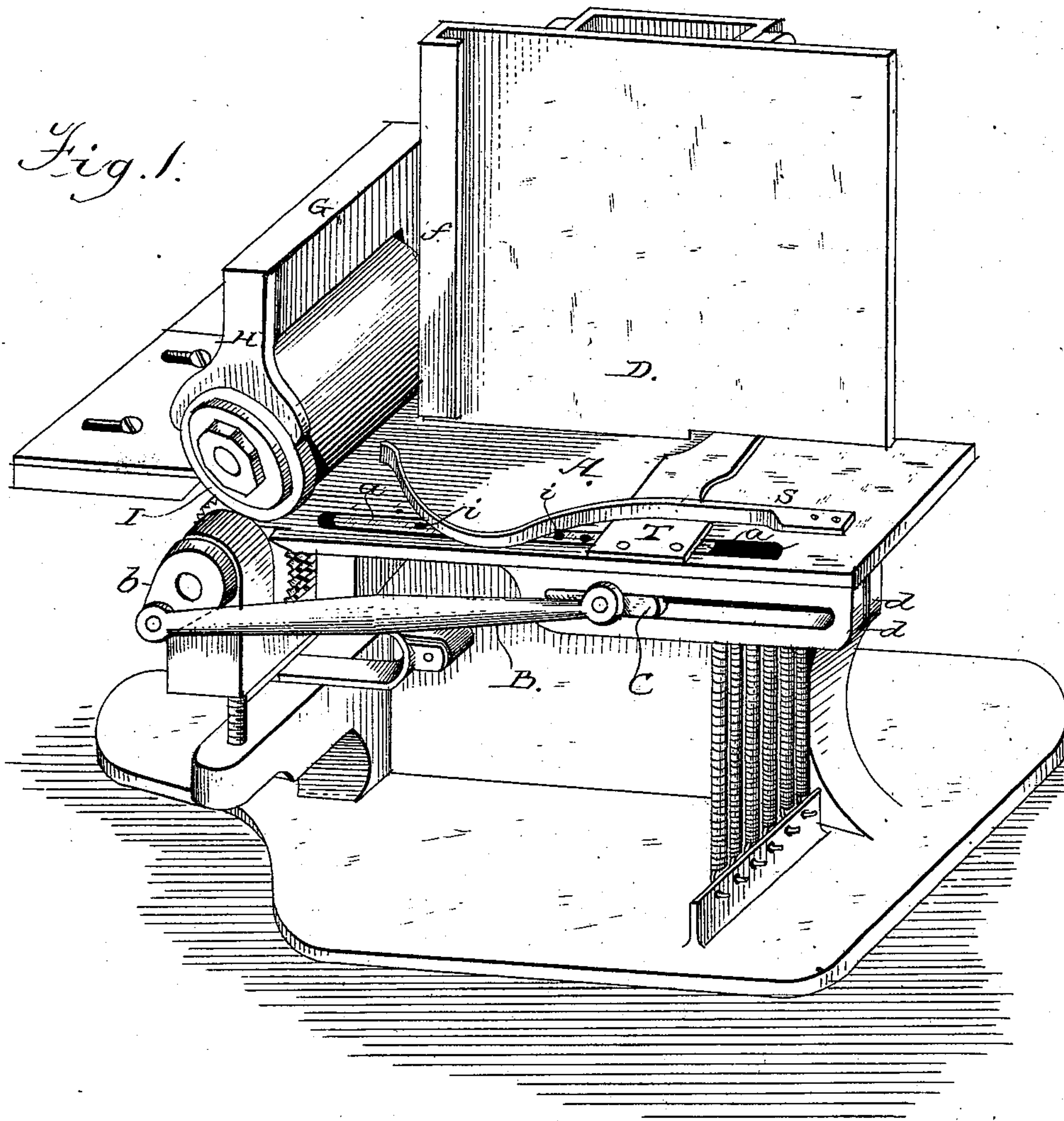
(No Model.)

2 Sheets—Sheet 1.

M. A. HOLTON.
Leather Skiving Machine.

No. 230,280.

Patented July 20, 1880.



Witnesses:
J. Walter Fowler,
R. K. Evans

Inventor;
Merritt A. Holton
by A. H. Evans & Co.
Attys.

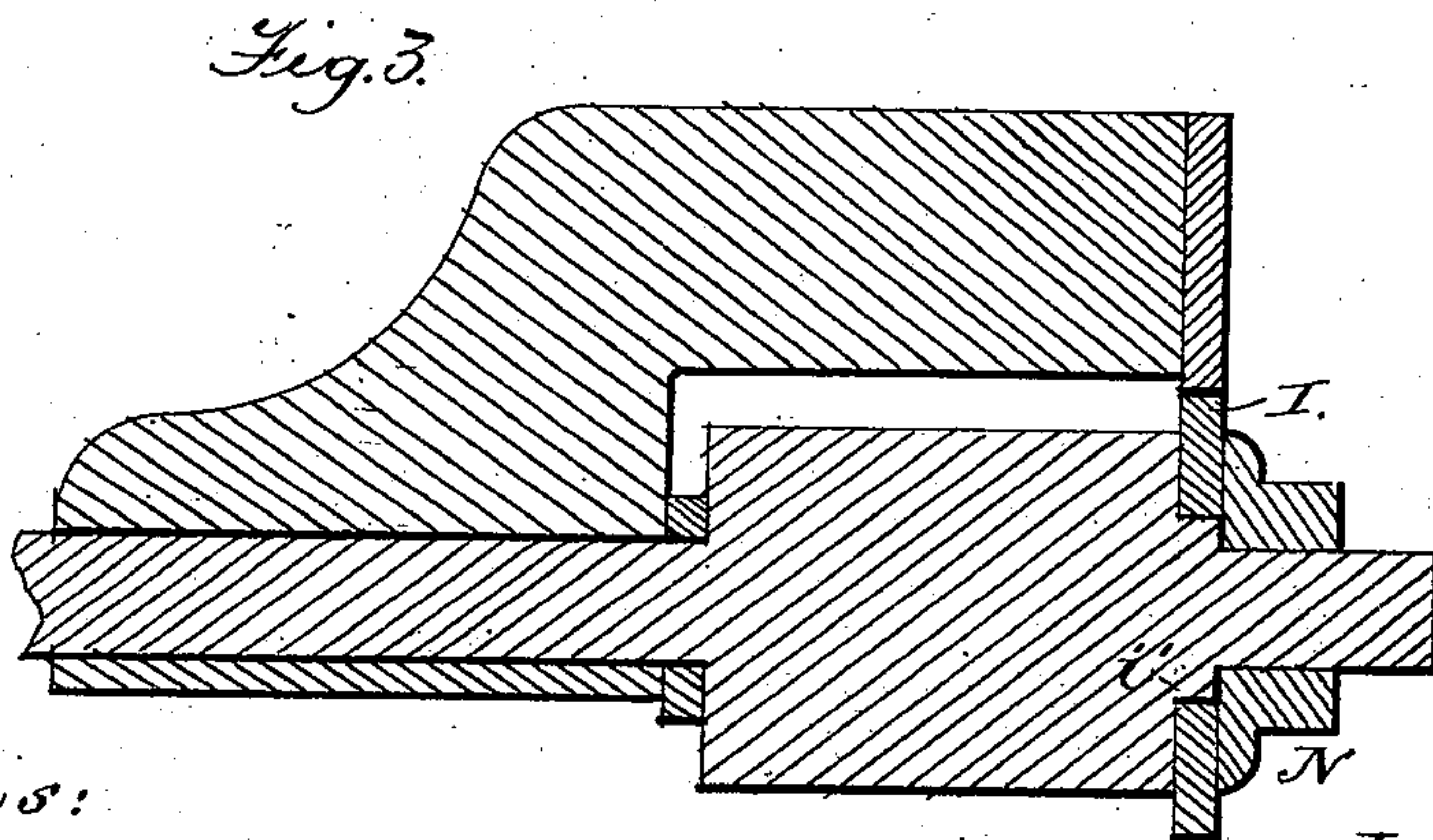
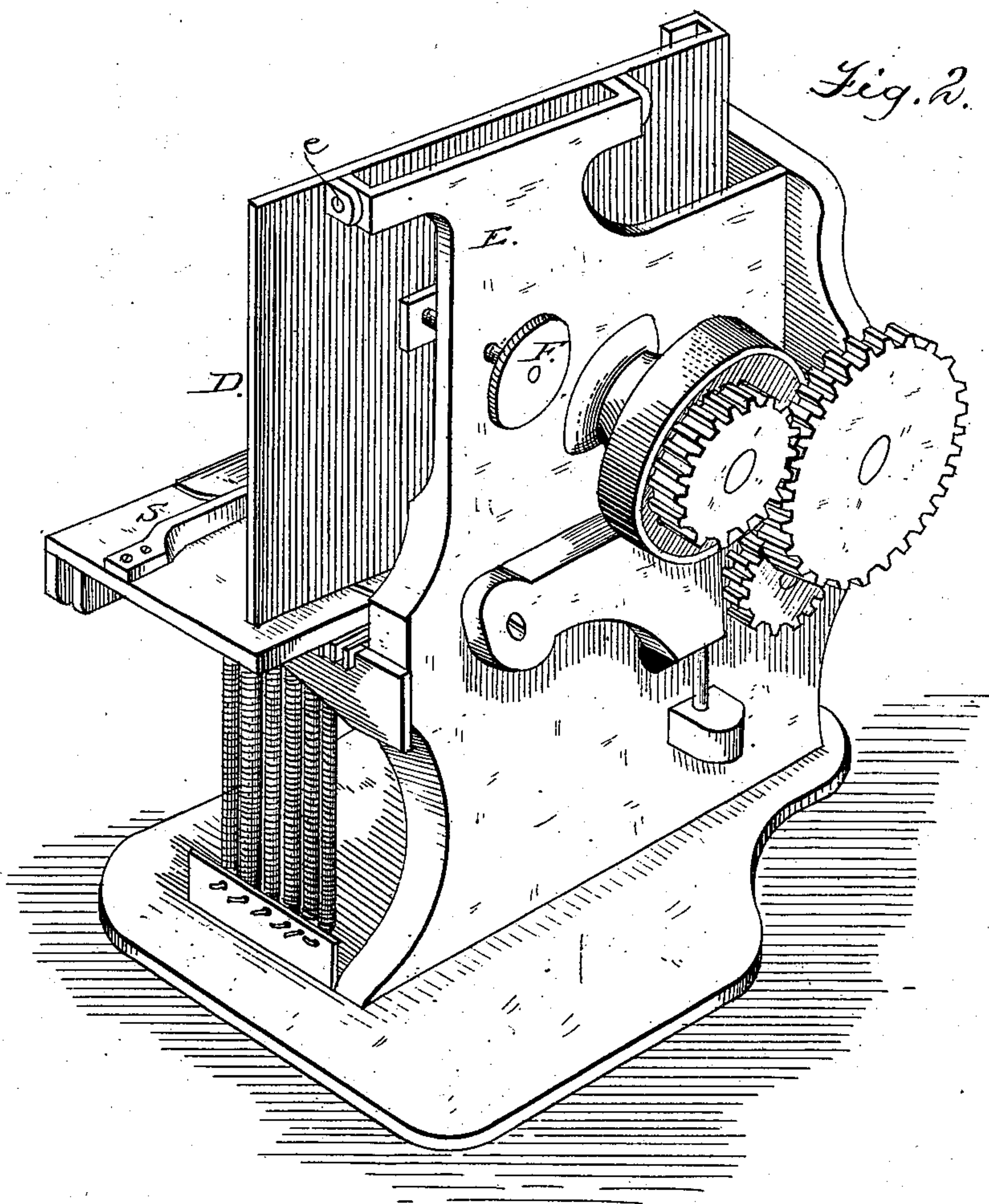
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UNITED STATES PATENT OFFICE.

MERRITT A. HOLTON, OF FITCHBURG, MASSACHUSETTS.

LEATHER-SKIVING MACHINE.

SPECIFICATION forming part of Letters Patent No. 230,280, dated July 20, 1880.

Application filed June 12, 1880. (No model.)

To all whom it may concern:

Be it known that I, MERRITT A. HOLTON, of Fitchburg, State of Massachusetts, have invented certain new and useful Improvements in Leather-Skiving Machines; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a front perspective view of the machine. Fig. 2 is a rear perspective view of the same. Fig. 3 is a longitudinal section through the upper feed-roll and its supports.

My invention relates to leather-skiving machines, and is an improvement on a machine patented by me October 8, 1879.

The object of my invention is to skive leather so as to leave it with a uniform thickness.

My invention consists, first, in an automatic feeding device which projects between the rolls at every revolution the under piece of a pile of regularly-cut pieces of leather, such as shoe counters, tips, &c.; secondly, in a swinging gage provided with an adjusting-screw and offset to allow only a single piece of leather to be fed to the rolls at one time; and, thirdly, in an adjustable bearing for the upper feed-roll, whereby I prevent it from tipping or canting from wear or otherwise.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In general construction as to feed-rolls, knife, spring presser-arms, and supports the machine is substantially like that in Patent No. 220,286.

The automatic feed consists in a reciprocating bar, *a*, which moves in a slot in table A by means of a crank, *b*, on the shaft of the lower feed-wheel, which carries a pitman, B, attached to a cross-head, C, fastened to bar *a* and moving in ways *d d*.

The feed-plate T lies on the surface of the table, and is fastened adjustably to reciprocating bar *a* by screws and holes *i i*, so that it reciprocates with said bar *a*, and as crank *b* turns said plate moves forward and catches a bit of leather and forces it between the rolls.

As bar *a* recedes the plate returns, and on the next stroke feeds forward another bit of leather.

The vertical guide-plate D is swung at its

upper edge by means of a hinge-pin, *e*, to a post, E, which rises from the frame.

Along the front edge of the guide-plate is a projecting rib, *f*, which does not extend quite to the lower edge of the plate, there being room for one of the pieces of leather to pass beneath it as the feed-bar pushes it forward.

Through post E passes a thumb-screw, F, the end of which bears against the guide-plate and adjusts it.

In order to provide against the upper roll tipping or sagging from wear or otherwise, I provide the end, heretofore free, with a bearing constructed as follows: An arm, G, of the frame projects over the upper roll and in a line with its axis, and has on its end a downwardly-projecting forked bearing, H, the curvature of which is in a circle of somewhat larger diameter than the upper roll, so that said roll may be readily removed without disturbing the bearing. On the journal of the roll is a small hub, *i*, over which fits a ring, I, having the same curvature as bearing H, and against which it fits snugly, so that the strain on the outer end of the roll is transferred to the ring I, and thence to bearing H.

A nut, N, secures the ring I onto the journal of the upper roll.

Along the bed lies the curved spring S, which holds the pieces of leather against the guide-plate.

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

1. In a leather-skiving machine, the feeding device consisting of the reciprocating bar provided with the cross-head, as shown, pitman, and crank on lower feed-roll, in combination with the slotted table A, substantially as described.

2. In a leather-skiving machine, the vertical swinging adjustable guide-plate D, provided at its front edge with a rib, *f*, shorter than the guide-plate, for the purpose set forth.

3. In a leather-skiving machine, the projecting arm G, with its downwardly-projecting forked bearing H, in combination with the upper roll and the removable ring I, as and for the purpose set forth.

MERRITT A. HOLTON.

Witnesses:

J. H. PATTON,
E. P. LORING.