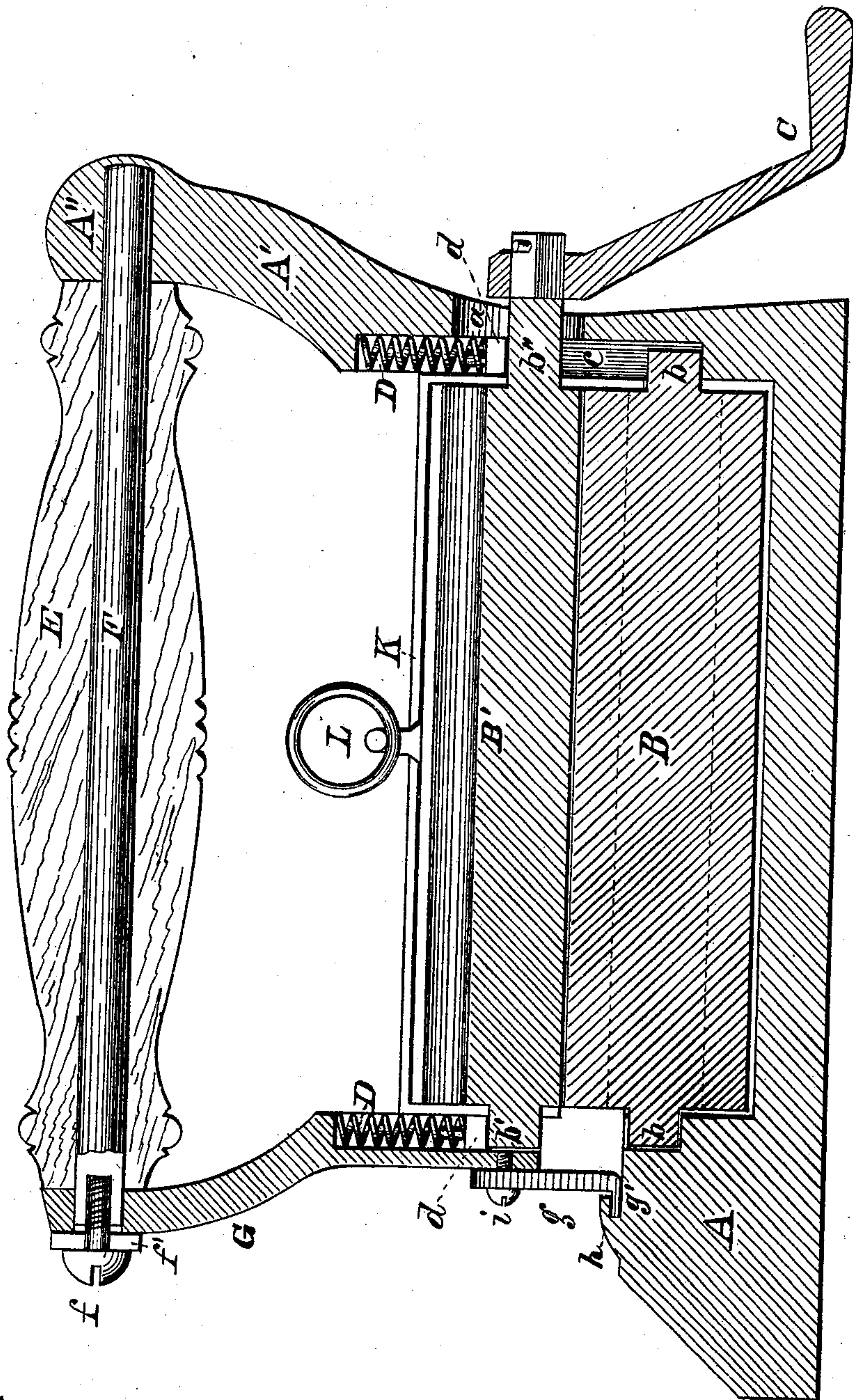


J. H. CLEVELAND.
Fluting-Iron.

No. 196,878.

Patented Nov. 6, 1877.



Witnesses:

Frank Hirsch
John B. Edmonds

Inventor:

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by Michael J. Stark
his attorney

UNITED STATES PATENT OFFICE.

JEHIAL H. CLEVELAND, OF BUFFALO, NEW YORK.

IMPROVEMENT IN FLUTING-IRONS.

Specification forming part of Letters Patent No. **196,878**, dated November 6, 1877; application filed March 9, 1877.

To all whom it may concern:

Be it known that I, JEHIAL H. CLEVELAND, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements on a Combined Sad-Iron and Fluter; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying drawing, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has special reference to combined sad-irons and fluters; and it consists in the arrangement of parts and details of construction as hereinafter first fully described, and then pointed out in the claims.

In the drawing, heretofore mentioned, the figure is a longitudinal vertical section of a combined sad-iron and fluter embodying my improvements.

A is a cast-iron sad-iron, of the usual construction or contour, provided on the top side with a concaved recess or depression for the reception of the fluted roller B. This iron has at its rear end an upright, A', terminating in a head, A'', into which a wrought-iron bar, F, is either cast or screwed, so as to occupy a position parallel to the face of the iron A. The front part of the said iron has a projecting nose or catch, h, for the purpose hereinafter to be referred to. The upright A' has a recess, c, serving to accommodate the pivots b b'' of the rollers B B', a half-box, d, and a spiral spring, D, the lower end of said recess being semicircular to serve as a bearing for the pivot b, while the half-box d serves as a bearing for the pivot b''. The upright A' is furthermore provided with a slot, a, for the passage of the pivot b'', which protrudes through the standard A', and has on its extremity a crank or handle, C, by means of which the fluter is operated. The bar F is surrounded by a wooden handle, E, and carries on its forward end a support, G, constructed in every respect like the upright A, in reference to the recess c, half-box d, and spiral spring D, which support G is secured to the bar F by means of the screw f and underlying washer f', and is provided on its lower extremity with a hook, g, pivoted to said support G at i. This hook g

engages by its projection g' with the catch h in such manner that when in the position shown in the drawing it connects the support G with the iron A, and when turned one-quarter revolution, more or less, will provide an opening or passage between said support and base.

The lower fluted roller is embedded in the base A, so that its teeth or projections are just above the upper plane of the iron and the opening produced by the turning of the hook g, in such a position that the fabric to be fluted can be readily introduced between the rollers, the upper one of which is, in order to enable its disengagement from the lower one for this purpose, provided with a bail, K, having an eye or ring, L, which bail engages the pivots b' b'', so that by lifting the bail the upper roller will recede from the lower one.

In order to exert sufficient pressure upon the lower roller, I place the half-boxes d over the pivots b' b'', and engage therewith the spiral springs D, which are held in position upon the half-boxes d by projecting pins, as clearly shown in the drawing, and in the upper end of the recess c by a depression in said recess, as also clearly indicated in said drawing.

It will be readily perceived that, in the position shown in said drawing, my improved sad-iron not only resembles, but also serves in every respect the purpose of a common flat or sad iron, the standard A' and support G being, in this case, fixed to the base, so that when the iron is heated it can be just as conveniently used as the said common iron; but should it, at any time during the ironing process, be desired to use my improved iron as a fluter, it is only necessary to throw the pivoted hook g back, and to introduce the fabric between the rollers, by lifting the uppermost one, by properly manipulating the bail K, and turning the crank C. In this manner my improved iron is ever ready to perform its double duties of a sad-iron and a fluter, without necessitating the heating of separate irons, and the many annoyances connected therewith, and the many other drawbacks, more or less common with all separate fluting-machines. My invention is, therefore, a great benefit to every house-keeper, and since it can be manufactured and

sold at a slight advance over the common sad-iron, and since it will dispense with one of them, its purchase will produce a material saving in time and money to the purchaser.

In order to convert my combined sad-iron and fluter into a light sad-iron, it is but required to remove the front support G and then the rollers B B', and to replace the said front support. In this manner the iron will be lightened about two pounds, and may, in some cases, be preferable to the heavier flat-iron.

Having thus fully described my invention, I desire to secure to me by Letters Patent of the United States—

1. As a new article of manufacture, a combined sad and fluting iron, consisting of a recessed base, A, having the slotted rear support A', provided with a fixed handle-rod, F, front support G, attached to said rod with one end, and provided with the pivoted connecting-piece *g*, having the projection *g'* engaging with the catch *h* on said base on the other end,

and two fluting-rollers, B B', of which the upper one is provided with a bail, K, and handle C, the whole constructed and arranged substantially as and for the use and purpose stated.

2. In a combined sad-iron and fluter, a front support and guide-piece for the upper roller, said support being removably attached to a stationary handle-rod, and provided with a recess for the pivot of said roller, and with a brace, *g*, pivoted to said support, and provided with a projection, *g'*, engaging a catch, *h*, on the base of said iron, as hereinbefore set forth and described.

In testimony that I claim the foregoing as my invention I have hereto set my hand and affixed my seal in the presence of two subscribing witnesses.

J. H. CLEVELAND. [L. S.]

Attest:

MICHAEL J. STARK,
FRANK HIRSCH.