N. R. STREETER.

FLUTING-IRON.

No. 182,390. Patented Sept. 19, 1876.

Fig 1.

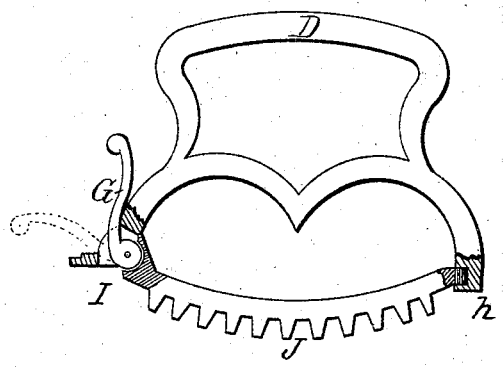


Fig 2

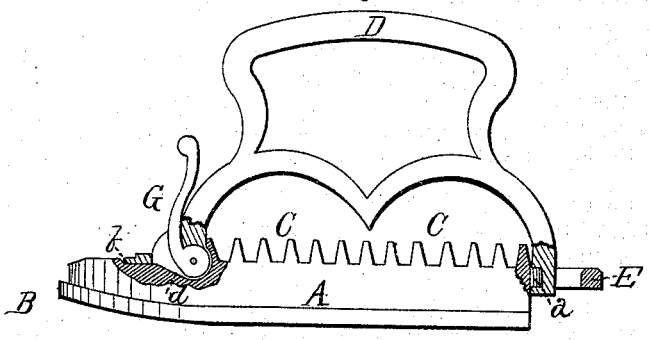


Fig 3

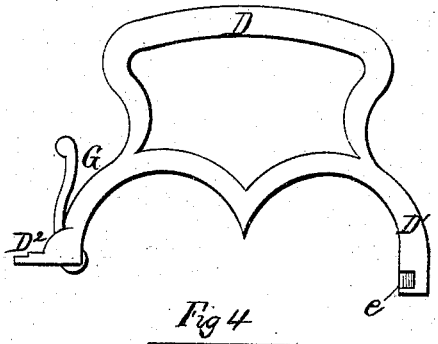
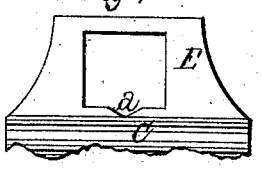


Fig 4



WITNESSES.

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UNITED STATES PATENT OFFICE.

NELSON R. STREETER, OF GROTON, NEW YORK.

IMPROVEMENT IN FLUTING-IRONS.

Specification forming part of Letters Patent No. **182,390**, dated September 19, 1876; application filed August 19, 1876.

To all whom it may concern:

Be it known that I, NELSON R. STREETER, of Groton, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Fluting-Irons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a sad and fluting iron, as will be hereinafter more fully set forth.

In the annexed drawing, which fully illustrates my invention, A represents the sad-iron or polishing-iron made of any suitable size, and of the usual form—that is to say, with a point or toe, B, at one end. This toe I have made slightly turned up, as shown, which prevents it from catching on plaits or seams while ironing, but causes the iron to run up easily over such increase in thickness of the material being ironed. It also allows of the pressure or friction being all thrown on one point, when desired, by simply tipping the iron a little forward.

The top of the sad-iron A is formed or provided with a series of transverse corrugations, C C, so as to form the base or fluting board for the fluting-iron. The body of the iron A is to be of cast-iron, while the polishing-face and fluting-board should be of steel.

At the heel of the iron A is a mortised or slotted projection, E, and at the inner end of the slot or mortise in said projection is made a V-shaped notch, *a*, as shown.

In the upper surface of the iron, near the toe, is a recess, *b*, and in the center thereof is an inclined groove, *d*, which also extends up the side of the first or front rib or cross-bar, that forms the fluting-board C.

D represents the handle formed at one end with an arm, D^1, having at its lower end, on the inner side, a groove with a central V-shaped lug, *e*. This arm is to be inserted in the mortise in the projection E of the iron, and the lug *e* fit in the notch *a* formed in said mortise. At the other end the handle D is formed with a foot, D^2, to fit in the recess *b* in the top surface of the iron. In this foot is pivoted a cam-lever, G, which, when thrown up against the handle, causes its cam end to enter the grooves *d*, and draw the handle so that the lug *e* at the other end will bind in the notch *a*, and the cam itself be held in the grooves *d*, and thus firmly unite the handle and the iron.

By throwing down the lever, the handle is easily released, and hence it is never necessary to get the handle heated while heating the iron.

J represents the fluting-iron made in the curved form shown, and corrugated transversely on its under side. At one end of this iron is a flange, *h*, with V-shaped notch, and at the other end is formed a socket, I, with groove, so that the handle D can easily be fastened to the same, in the same manner as described, for the iron A.

When the fluting-iron J is used, the iron A forms the base or fluting board, and after heating said base, the fluting is done in the usual manner. To remove the base from the stove to the table, the foot D^2 of the handle is inserted in the mortised projection E, at the heel of the iron, and the base can then easily be carried without removing the handle from the fluting-iron.

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

1. The handle D, provided with a locking device, G, a notch or recess, *e*, and foot D^2, whereby it may be applied to the iron A, or the fluting-iron J, substantially as specified.

2. The iron A, provided with mortised projection E with notch *a*, the recess *b*, and inclined grooves *d*, in combination with the handle D, having arm D^1, foot D^2, and cam-lever G, substantially as and for the purposes herein set forth.

3. The fluting-iron J, provided with notched flange *h* and grooved socket I, in combination with the handle and iron, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of August, 1876.

NELSON R. STREETER.

Witnesses:

S. U. JONES,

E. A. MARSH.