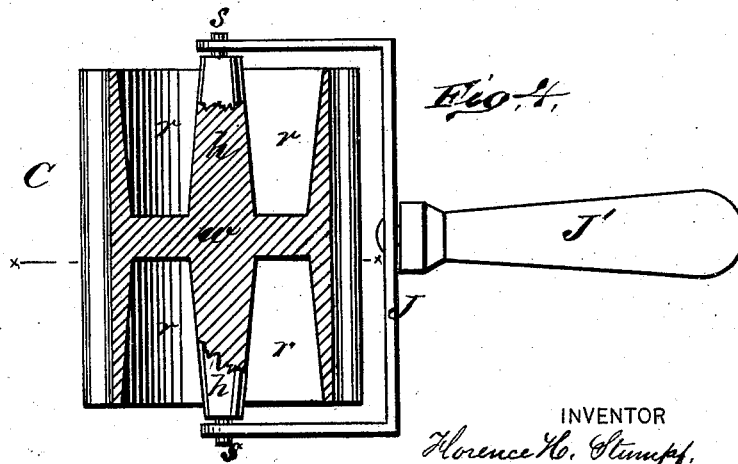
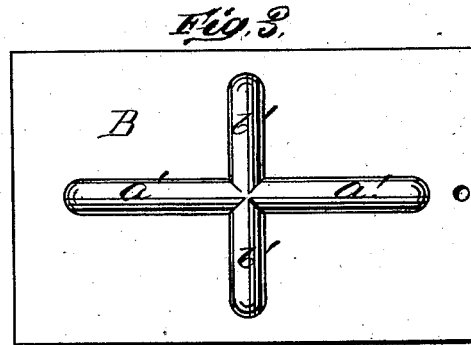
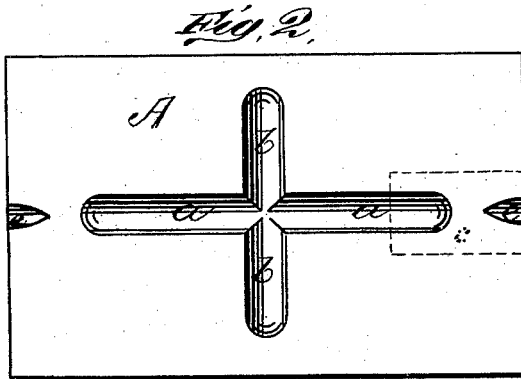
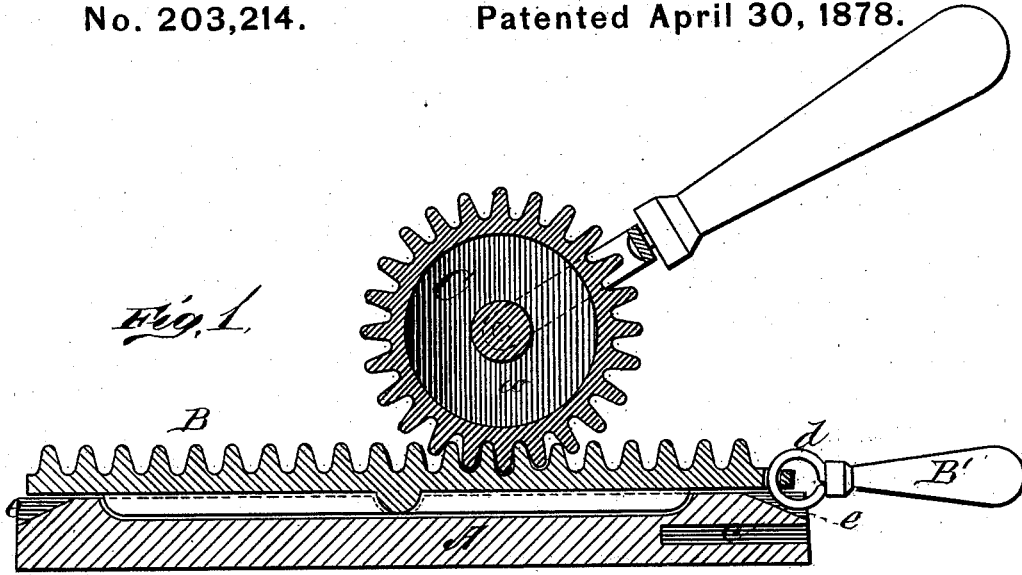


F. H. STUMPF.
Fluting-Iron.

No. 203,214.

Patented April 30, 1878.



WITNESSES
Emory H. Bates,
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UNITED STATES PATENT OFFICE.

FLORENCE H. STUMPF, OF ST. JOSEPH, MISSOURI.

IMPROVEMENT IN FLUTING-IRONS.

Specification forming part of Letters Patent No. **203,214**, dated April 30, 1878; application filed December 8, 1877.

To all whom it may concern:

Be it known that I, Mrs. FLORENCE H. STUMPF, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and valuable Improvement in Fluting-Irons; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal section of my improved fluting-iron. Fig. 2 is a top view of the heating-plate. Fig. 3 is a bottom view of the fluting-plate, and Fig. 4 is a longitudinal section of the roller.

This invention has relation to improvements in fluting-irons; and it consists in a certain novel combination of a transversely-serrated fluting-bed, having upon its under side crossed ridges, and a heating-plate, having corresponding depressions adapted to receive said ridges, whereby the said bed is prevented from endwise or lateral displacement.

It also consists in certain other improvements, whereby useful results are obtained, as will be hereinafter more fully explained.

In the annexed drawings, the letter A designates the heating-plate, B the detached fluting-bed, and C the fluting-roller.

The bed-plate A is made of cast-iron, preferably, and is of rectangular form. It has a flat base, and upon its upper side is provided with sunken channels *a b*, crossing each other at right angles. It has also, in one or both ends, a rectangular recess, *c*, designed to receive the correspondingly-shaped end of a lifting device, by means of which it is conveniently placed on and lifted from the fire. The fluting-plate B is of the same dimensions as the heater. It is provided upon its under side with projecting ridges *a' b'*, fitting snugly in the channels *a b*, respectively, so that during the operation of fluting it cannot be displaced.

In order to the more convenient manage-

ment of the fluting-plate, a handle, B', is secured thereto by means of a ring, *d*, the tang of which is screwed or otherwise passed into and secured to said handle. The fluting-wheel C avoids the handle in passing over the plate B, owing to a notch, *e*, cut in the end of the heating-plate. The fluting-plate is made of galvanized iron, preferably, as is also the fluting-roller C. This wheel is cast in one piece with a central transverse web, *w*, and a conical hub, *h*, projecting out centrally from the said web at each side, and carrying the spindles *s*, by means of which the roller is journaled in a U-shaped frame, J, provided with a handle, J'. This construction of roller forms a conical recess, *r*, at each side of the web *w*, which greatly lessens the weight of the same, and facilitates its being cast and detached from the mold-sections.

I am aware that a hollow sad-iron has been provided with ribs inside, upon its bottom, to receive the grooves of a heater-block, and I do not herein claim such invention, broadly.

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

1. A fluting-bed consisting of the lower heater-plate A, having grooves *a* in its upper surface, and the lifting-recess *c* in its edge, and the fluting-plate B, transversely corrugated on its upper side, and having ridges *a'* on its under side, to register with the grooves *a* of the heater-plate, for the purpose of holding the two together against lateral or endwise displacement, substantially as specified.

2. The corrugated fluting-roller C, having a central web, *w*, and a double-conical hub, *h h*, projecting therefrom, and separated from the shell of the roller by a conical space, *r*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

Mrs. FLORENCE H. STUMPF.

Witnesses:

HENRY C. FOX,
A. J. SKIDMORE.