

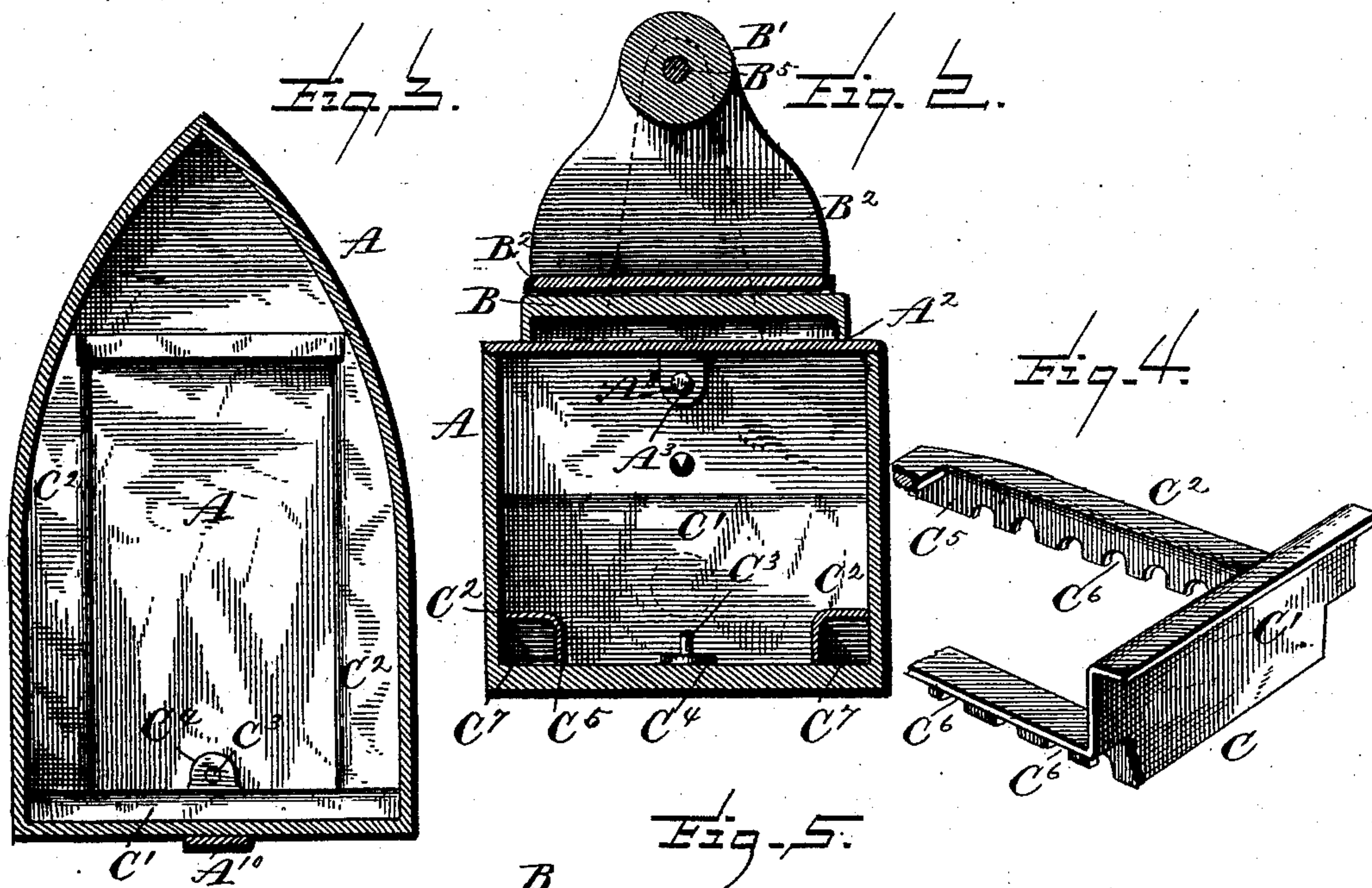
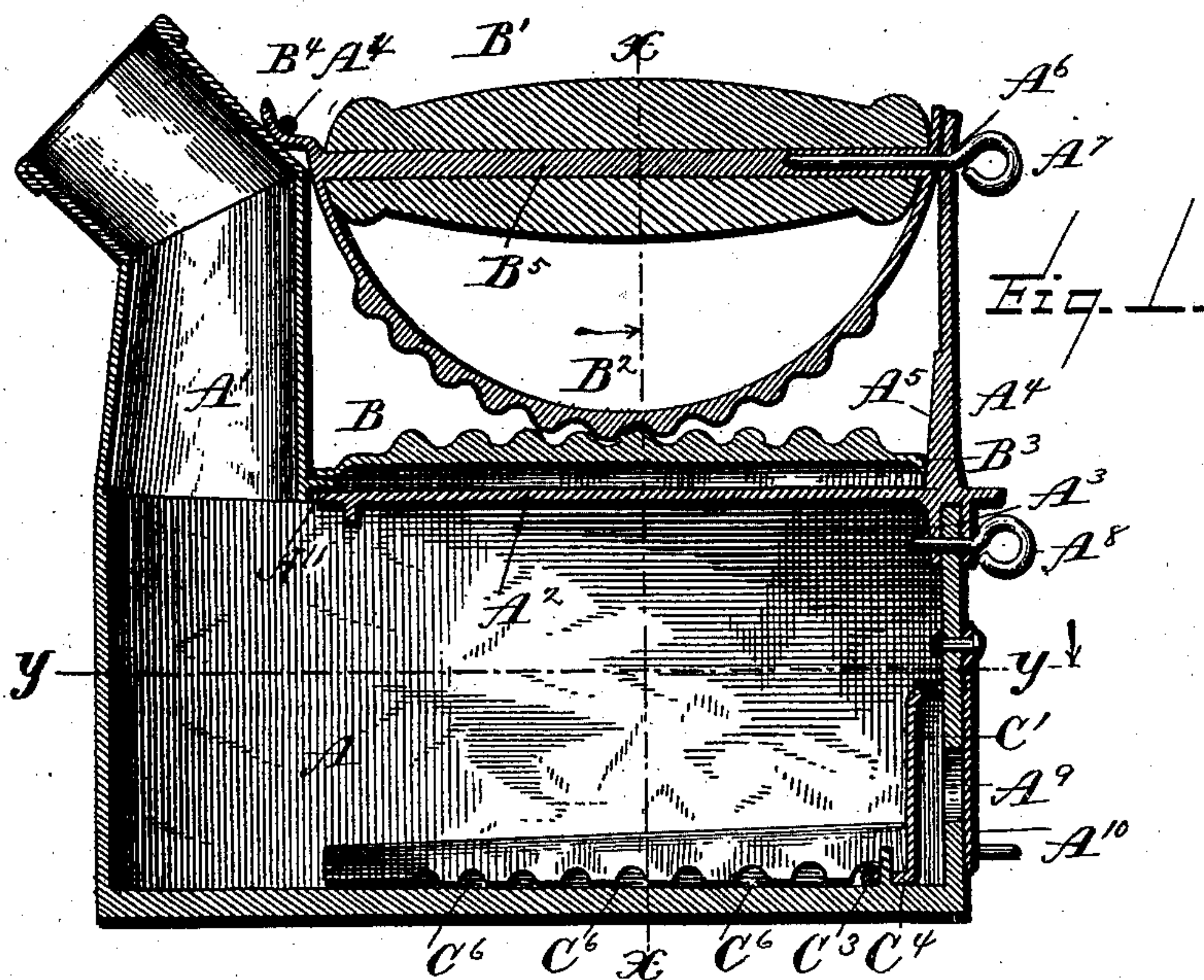
(No Model.)

W. T. PHEGLEY.

COMBINED SMOOTHING AND FLUTING IRON.

No. 369,027.

Patented Aug. 30, 1887.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM T. PHEGLEY, OF STOCKTON, KANSAS.

COMBINED SMOOTHING AND FLUTING IRON.

SPECIFICATION forming part of Letters Patent No. 369,027, dated August 30, 1887.

Application filed May 18, 1886. Serial No. 202,560. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. PHEGLEY, a citizen of the United States, residing at Stockton, in the county of Rooks, State of Kansas, have invented certain new and useful Improvements in a Combined Smoothing and Fluting Iron, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a combined smoothing and fluting iron, my object being to provide a simple cheap device that can be easily manufactured, one that will economize fuel, that will be compact and easy to manipulate, and embody suitable draft-controlling devices, whereby heat is evenly distributed over the heating or smoothing surface of the iron; and the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a central longitudinal section of a combined smoothing and fluting iron constructed in accordance with my invention. Fig. 2 is a transverse section taken on the line *x x* of Fig. 1. Fig. 3 is a horizontal section on the line *y y* of Fig. 1. Figs. 4 and 5 are details, hereinafter described.

A represents a hollow cast smoothing-iron, at the forward end of which is provided a suitable uptake, *A'*, and a removable cover, *A²*, provided with lugs *A³* on its under surface at its rear end, adapted to fit over the end wall of the iron A, the forward end being held in place by a transverse rib, *A¹¹*, projecting from the uptake, said forward end extending thereunder. Upon the cover *A²*, and extending upwardly therefrom, is a standard, *A⁴*, formed with an inwardly-extending vertical rib, *A⁵*. (See Fig. 1.) The top of the standard is perforated, as at *A⁶*, to receive a locking-pin, *A⁷*, which passes through it and into a wooden handle, *B'*, of the fluting attachment *B²*, which is a plate semicircular in longitudinal cross-section permanently secured to the handle, and having its under surface corrugated and adapted to fit similar corrugations in the bed-plate B, mounted on the cover. The bed-plate is prevented from lateral displacement by means of a notch or recess, *B⁶*, (see Fig. 5,) into which the rib *A⁵*

of the standard *A⁴* takes, whereby the rear end of said bed-plate B is held in position upon the iron. By reason of the intermeshing of the corrugations of the plates B *B²* the rib or bead *A⁵* will be sufficient to retain the plate B in position. The forward end of the plate *B²* is extended beyond the handle *B'*, and forms a lip or tongue, *B⁴*, which takes under a clip or eye, *A⁴*, formed on the uptake. Extending rearwardly from this forward end of the plate is a spindle, *B⁵*, upon which the wooden handle *B'* is mounted. The lugs *A³* of the cover are perforated and adapted to receive a locking-pin, *A⁸*, to secure said cover upon the iron.

Adapted to fit within the chamber of the iron A is a casting, C, which is formed with a rear fender portion, *C'*, and the forwardly-extending frame *C²*, and is held in place within the iron by means of a rivet, *C³*, passing through a lip, flange, or tongue, *C⁴*. The frame portion *C²* is provided with a downwardly-extending flange, *C⁵*, which is perforated, as at *C⁶*. When this casting is in position in the iron, it forms a draft-channel, *C⁷*, leading from the draft-aperture *A⁹* around each side of the iron, and air passes up through the fuel (charcoal) from the draft-holes *C⁶* and out the uptake, thus causing a uniform burning of the fuel at sides, front, and rear of the iron, and distributing a perfectly uniform heat over the entire smoothing-surface.

By the time the iron has been properly heated the fluter will also be sufficiently hot to perform the function of fluting.

When it is desired to flute, the pin *A⁷* is removed from the handle and standard and the fluting attachment removed from the iron. By inserting the tongue or lip *B⁴* in an aperture, *B⁷*, in the end of the bed-plate B, said plate may be lifted from its position and placed upon a table, where the fluting operation may be carried on.

The draft-opening *A⁹* is provided with a pivoted door, *A¹⁰*, whereby draft may be regulated.

Having described my invention and its operation, what I claim is—

1. The combination of a recessed fluting bed-plate having a lifting-slot, a curved fluting-plate extended at one end to form a bed-

plate lifter and apertured at an opposite end,
a handle arranged between the ends of the
fluting-plate, and a smoothing-iron the uptake
of which is provided with a loop to receive
5 the bed-plate lifter, a standard, and a pin pass-
ing through said standard into the apertured
end of the fluting-plate, substantially as speci-
fied.

2. In a combined smoothing and fluting
10 iron, the combination, with the body portion
of the iron, having a removable cover mounted

thereon and formed with a standard extend-
ing upwardly therefrom, of a fluting bed-plate
mounted on said cover and a corrugated press-
ure-plate having a handle mounted in said 15
standard, substantially as specified.

In testimony whereof I affix my signature in
presence of two witnesses.

WILLIAM T. PHEGLEY.

Witnesses:

T. C. McBREEN,
C. R. GALLAHER.