

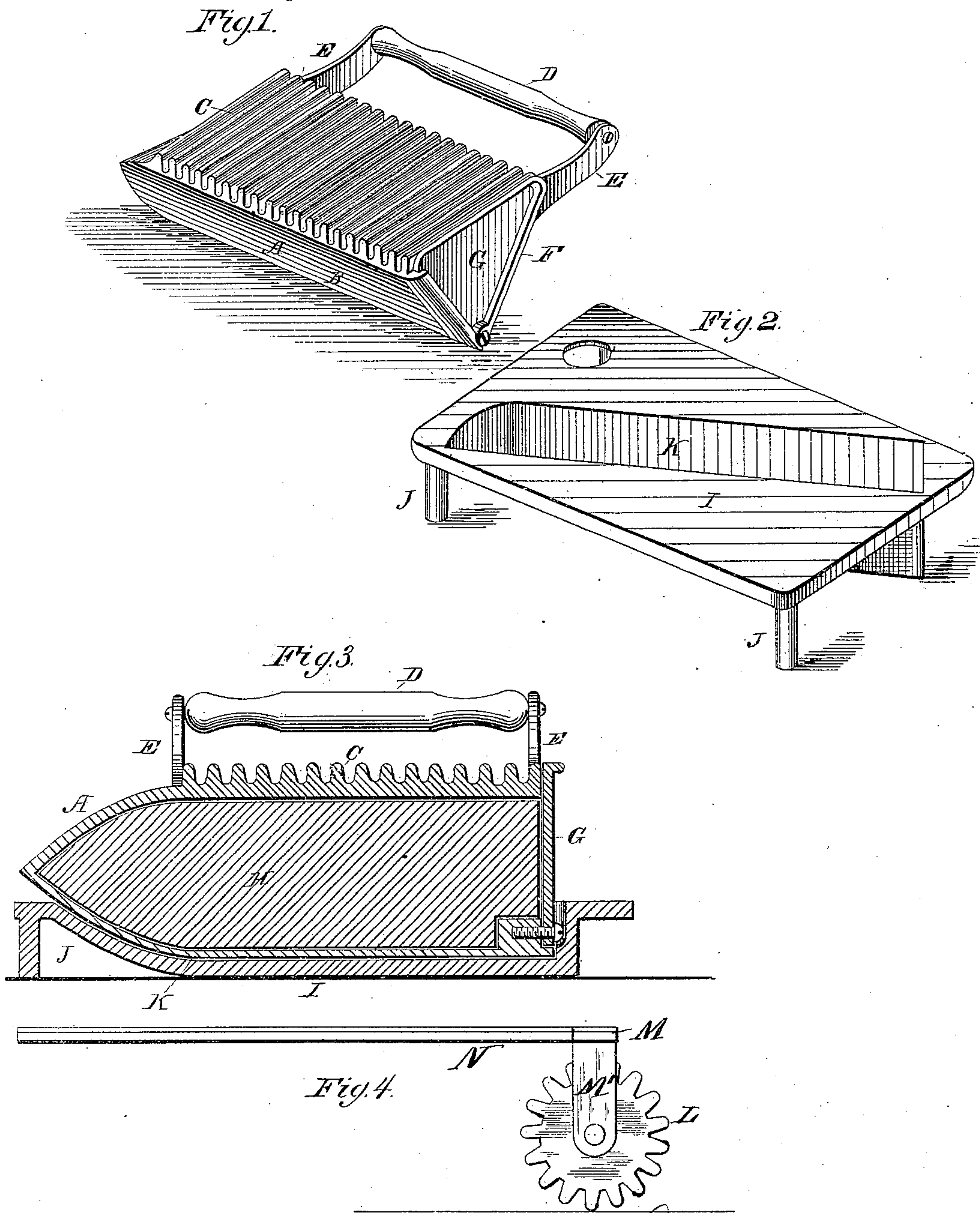
(No Model.)

H. R. ELLIS.

COMBINED FLUTING AND SAD IRON.

No. 253,163.

Patented Jan. 31, 1882.



WITNESSES

Wm. G. Dieterich
Will B. Ouchinda

By his Attorneys

Hiram R. Ellis
Louis Baggett & Co.

UNITED STATES PATENT OFFICE.

HIRAM R. ELLIS, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR OF ONE-HALF
TO BYRON R. PIERCE, OF SAME PLACE.

COMBINED FLUTING AND SAD IRON.

SPECIFICATION forming part of Letters Patent No. 253,163, dated January 31, 1882.

Application filed April 11, 1881. Renewed October 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, HIRAM R. ELLIS, of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Combined Fluting and Sad Iron; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved combined fluting and sad iron. Fig. 2 is a perspective view of the stand used in combination with the same. Fig. 3 is a sectional view of the iron in position upon the stand, and Fig. 4 is a side view of the fluting-roller.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved combined fluting and sad iron, the construction of which will be hereinafter more fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the body of the iron, which is triangular in cross-section, its bottom B being flattened and polished to be used as a smoothing-iron, and one of its sides, C, being corrugated for fluting. The handle D is secured between two brackets, E E, extending upwardly from the other side, F, of the iron, said brackets being curved in an outward direction, so as not to be in the way of the corrugated side C when the iron is placed in position for fluting. The body of the iron, which is hollow, is provided at its rear end with a pivoted or sliding door, G, for the admission of the heating bolt or core H, or, if preferred, a lamp or other heating apparatus.

I is a stand, consisting of a plate supported upon legs J, and provided with a groove or recess, K, for the reception of the edge of the iron formed by the sides B F. It will be seen that when the iron is thus supported, as in

Fig. 3, the corrugated side C is in a level position, ready for fluting.

The fluting-roller which I use in combination with this iron consists of a suitably-constructed corrugated or fluted roller, L, (see Fig. 4,) which is journaled between the arms M' of a fork, M, which is secured at right angles at the outer end of a suitable handle, N.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. It is simple and inexpensive. The stand I forms at all times a convenient stand for the iron, and the handle, it will be observed, is not detachable, as in other devices of this description, there being, consequently, no fastenings to get out of order and no time wasted in adjusting the iron, while at the same time the expense is materially lessened.

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

1. The combined fluting and sad iron herein shown and described, composed of a hollow triangular body, A, having a polished bottom, B, a corrugated side, C, and a smooth side, F, the sides C F converging to form the top ridge or apex of the triangular body, and the side F having a pair of rigid curved arms or brackets, E, for supporting the handle D vertically above or in a line with the top ridge or apex of the iron, as shown and set forth.

2. The combination, with a combined fluting and sad iron, constructed substantially as herein described, and having a non-detachable handle, of a stand, I, having groove or recess K, substantially as and for the purpose shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HIRAM R. ELLIS.

Witnesses:

HENRI C. VAN DURA,
PETER DORAN.