

(Model.)

I. I. BUSH.

COMBINED SAD IRON AND FLUTER.

No. 253,973.

Patented Feb. 21, 1882.

Fig. 1.

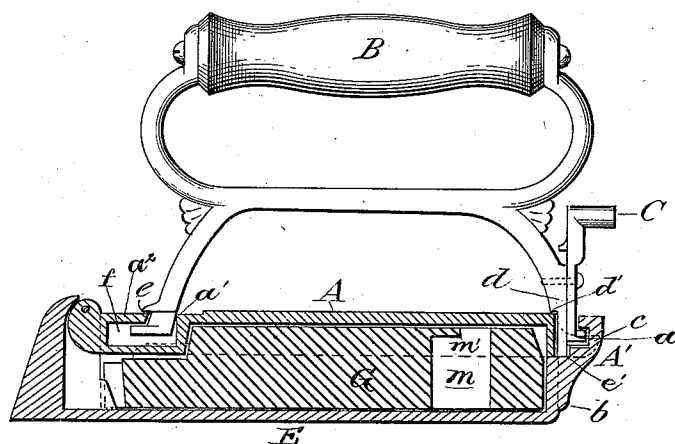


Fig. 2.

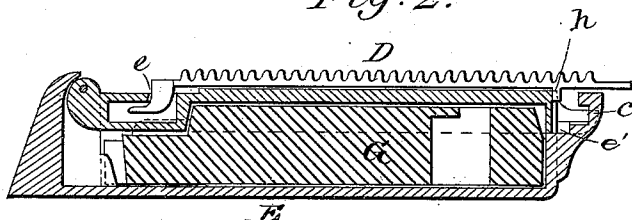
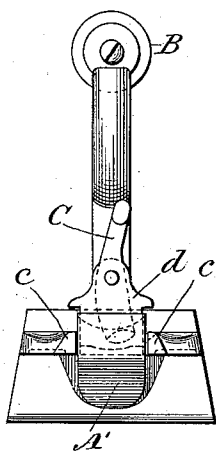


Fig. 3.



Witnesses:

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IRA I. BUSH, OF JANESVILLE, WISCONSIN.

COMBINED SAD-IRON AND FLUTER.

SPECIFICATION forming part of Letters Patent No. 253,973, dated February 21, 1882.

Application filed June 25, 1881. (Model.)

To all whom it may concern:

Be it known that I, IRA I. BUSH, of Janesville, in the county of Rock and State of Wisconsin, have invented a new and useful Improvement in Combined Sad-Iron and Fluter, which improvement is fully set forth in the following specification.

My invention relates to an improvement in combined sad-iron and fluter; and it consists in certain details in construction and combinations of parts, as will be more fully explained, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a longitudinal vertical section of my improved sad-iron. Fig. 2 is a similar view, showing the handle removed and the fluting-plate placed in position; and Fig. 3 is a rear view, showing the manner of securing the handle to the iron.

The sad-iron is composed of the body E and the hinged top A, the latter being hinged to the body at its front end. This hinged cover A is provided near its front end with the recess or cavity *f*, which latter is provided with the opening *a'* near its rear end, into which the projecting toes of the handle B and fluting-plate D respectively rest when placed in position. By placing the opening *a'* near the rear end of the cavity a projecting lip, *a*², is formed, under which the toes above referred to rest. When the handle is removed from the iron the cover A is free to be raised at pleasure; but when the handle B is secured in position it also locks the said cover to the body. This handle B is provided with the front shank, having the toe above referred to, and the rear shank, *d*, to which the mechanism for locking the handle in position is secured. This rear shank, *d*, is provided with the projecting shoulder *d'*, adapted to rest on the top of the cover and hold it down, while that portion of the shank below the shoulder *d'* is adapted to extend down between the rearwardly-projecting arms *c* of the cover A.

The body E of the iron is provided at its rear end with the heel A', curved as shown in the drawings, which latter is provided with a semicircular groove, in which the catch *a* of the pawl C moves.

The toe *e* of the front shank is provided with two lips, which lie respectively above and below the lip *a*² and hold that shank in proper position. After the front toe has been secured, as

above described, the rear shank, *d*, is allowed to descend between the projecting arms *c* and rest on the shoulder *e'* of the heel A', after which the pawl C is moved so as to bring the catch *a* in the semicircular groove in the heel, and by frictional engagement with that portion of the heel forming the upper boundary of the semicircular groove holds the handle firmly in position until the catch *a* has been withdrawn by moving the pawl C sidewise.

By constructing the heel as shown in the drawings a transverse rib, *b*, is formed just above the surface or face of the polishing-iron. This rib *b* is about three-fourths of an inch in length, and when the iron is tipped back on its end, so that this rib rests on the object being polished, all the narrow places between bands of collars, cuffs, &c., can be conveniently reached and finely polished.

When it is desired to convert the sad-iron into a fluter the handle B is removed and the fluting-plate D is placed in position, as shown in Fig. 2. This plate D is only provided at its toe, *e* with one projecting lip, which fits under the lip *a*² and holds the front end in position, while the rear end thereof is prevented from turning or becoming displaced by the depending flange *h*, which snugly fits against the rear side of the hinged cover A in the position formerly occupied by the rear shank, *d*. An ordinary fluting-roller is to be used with the fluter-plate, by which the operation of fluting is accomplished. The said iron is heated by the metallic core G, which latter is slightly smaller than the chamber in the iron to allow for the expansion thereof when in a heated state. This core is shaped on top to conform to the under surface of the hinged cover A, and is provided with the opening *m* and lip *m'*, into which the toe of the handle or any suitable lifter is introduced for withdrawing the core from the iron.

My improvement is simple in construction and durable and efficient in use, and by securing the handle in position, as described, the danger of its becoming loose and allowing the body portion to fall is obviated.

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

1. The combination, with the body E, provided with the heel A', the latter being constructed substantially as shown, and the cover

A, hinged to the said body E, and provided with the recess *f* and projecting lip *a*², of the fluting-plate D, adapted to be secured to the said cover when the handle is removed, and provided at its front end with the toe *e*, adapted to fit under the lip *a*², and at its rear end with the depending flange *h*, adapted to occupy the space formerly occupied by the shank *d*, substantially as set forth.

2. The combination, with the body E, constructed substantially as described, and having the cover A hinged thereto, the latter being provided with the cavity *f* and lip *a*² and arm *e*, of the handle B, the front shank of which is provided with a toe having two lips, which

fit respectively above and below the said lip *a*², while the rear shank is adapted to rest between the said arms *e*, and is provided with a pawl, C, having a catch, *a*, on its lower end, adapted to move in a semicircular groove in the heel A', and a shoulder, *d'*, formed integral with the shank *d*, and adapted to bear on the cover A and prevent it from being raised when the handle is in position, substantially as set forth.

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Witnesses:

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