

J. HEWITT.

Sad-Irons and Crimping-Shoes.

No. 134,887.

Patented Jan. 14, 1873.

Fig. 1.

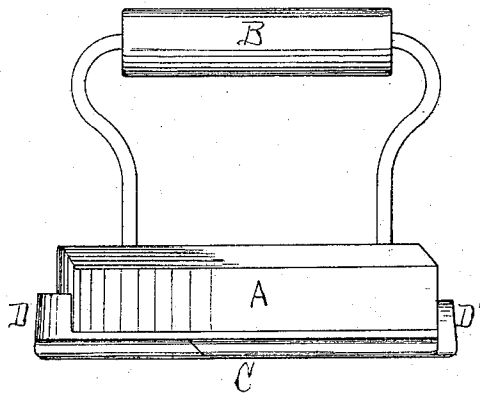


Fig. 2.

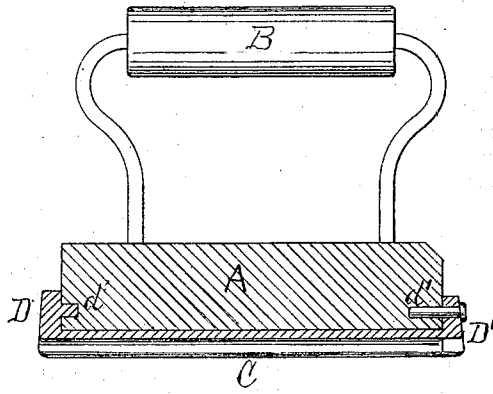


Fig. 3.

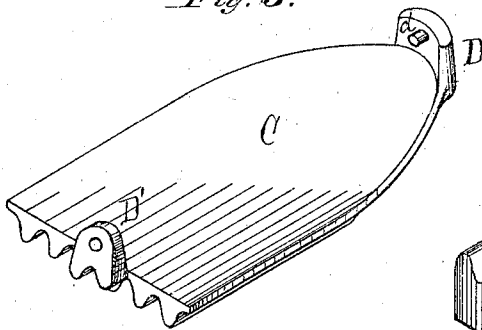
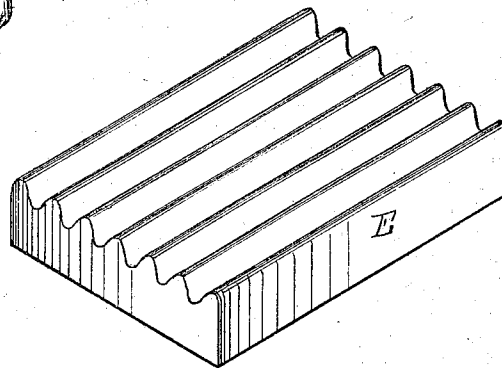


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN HEWITT, OF NEW YORK, N. Y.

IMPROVEMENT IN SAD-IRONS AND CRIMPING-SHOES.

Specification forming part of Letters Patent No. 134,887, dated January 14, 1873.

To all whom it may concern:

Be it known that I, JOHN HEWITT, of the city, county, and State of New York, have invented an Improved Combined Sad-Iron and Crimping-Shoe, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters of reference marked thereon making part of this specification, in which—

Figure 1 is a side view of my sad-iron. Fig. 2 is a longitudinal sectional view. Fig. 3 is a top view in perspective of my improved crimping-shoe. Fig. 4 is a top view in perspective of the independent or fluting plate.

The object of my present invention is to provide a device which can be readily attached to a sad-iron, and which converts the same into a fluting device. The device is equally applicable to a solid iron, such as the ordinary smoothing-iron, or to the box or shell iron which is warmed and kept hot through a series of heaters.

The great advantages of my invention are found in its cheapness, great simplicity, and entire practicability, and in the readiness with which it can be secured to and removed from the sad-iron plate.

The nature of my invention consists in providing a corrugated shoe-plate, which is furnished to the trade as an accompaniment to the sad-iron. This plate is provided with suitable bearing-plates, which, through any suitable mechanical attachment, permits the operator to secure the corrugated plate over the sad-iron plate at pleasure. Thus it will be seen, so soon as the garment has been ironed with the smoothing-iron the iron can be instantly converted into a fluting device for ironing any ruffles which may be desired to be fluted.

The construction and operation of my invention are as follows: A is an ordinary sad-iron plate, and is cast or otherwise manufactured out of any suitable metal, its lower face being polished and finished in the usual manner. The sad-iron plate may be cast solid like the ordinary smoothing-iron, or cast hollow and of the box or shell form, which is warmed and kept continually heated through a series of heaters. B is the handle, and is cast with or otherwise secured to the sad-iron plate. C is the corrugated shoe-plate and is cast out of any suitable metal, and with a bearing-plate, D, at its front and a bearing-plate, D', at its

rear. In Fig. 2 these bearing-plates are provided with a shoulder and bolt attachment, d d' , by means of which the shoe is secured to the sad-iron plate. While the method of attachment illustrated in Fig. 2 accomplishes most admirably the object aimed to be attained—that is, the securing of the shoe-plate C to the sad-iron plate A—still there are numerous other mechanical attachments which may be substituted for the same, and which will operate with equal facility; or, if preferred, this corrugated shoe-plate C may be made out of sheet metal, and its bearing-plates D D' so arranged that the shoe-plate C may be sprung over the sad-iron plate and firmly held through the elasticity of the metal and without any other means of attachment.

If desired, a series of these shoe-plates with corrugations of different sizes may be furnished with each sad-iron, whereby different-sized flutings may be ironed. This shoe-plate C is of precisely the same form and contour as the sad-iron plate A, so that when attached to the same it shall fit snugly thereon, covering its entire surface.

From the foregoing description the operation of my improvement will be readily understood. After the plain portions of the garment have been ironed with the sad-iron plate A, if there are ruffles or other portions of the same that require to be fluted, the shoe-plate C, illustrated in Fig. 3, is secured over and attached to the sad-iron plate A, as clearly shown in Figs. 1 and 2, when the iron, in connection with any suitable corrugated plate E, as shown in Fig. 4, is in condition to iron said flutings.

Of course the corrugations on the plate E must correspond precisely with the corrugations of the shoe-plate C.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

The corrugated shoe-plate C having bearings D D', in combination with a sad-iron or polishing iron, so as to permit of the smoothing-iron being converted into a fluting device, as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HEWITT.

Witnesses:

EDWIN JAMES,
JOS. T. K. PLANT.