

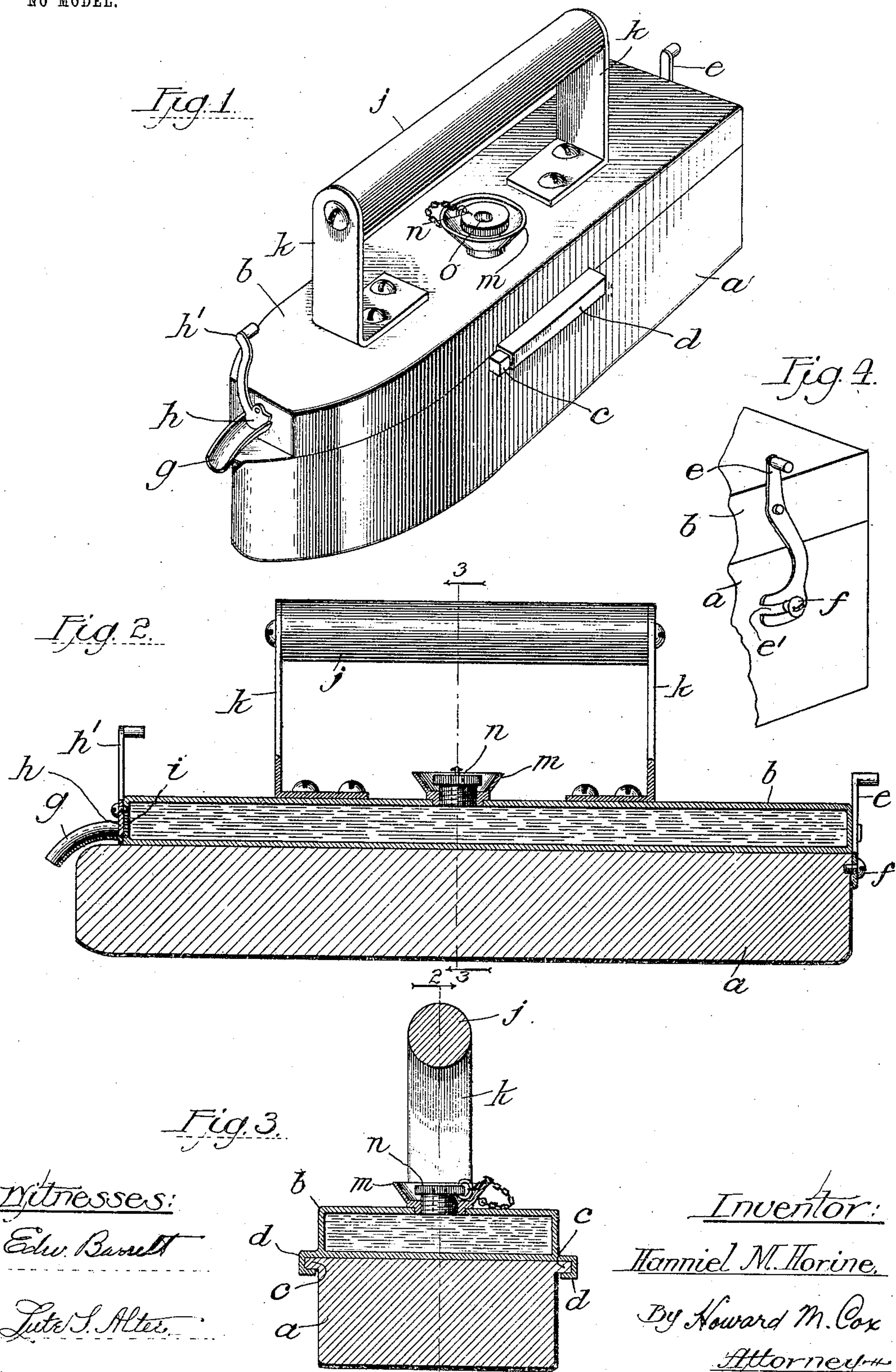
No. 768,942.

PATENTED AUG. 30, 1904.

H. M. HORINE.
FLAT IRON.

APPLICATION FILED JAN. 29, 1904.

NO MODEL.



UNITED STATES PATENT OFFICE.

HANNIEL M. HORINE, OF CHICAGO, ILLINOIS.

FLAT-IRON.

SPECIFICATION forming part of Letters Patent No. 768,942, dated August 30, 1904.

Application filed January 29, 1904. Serial No. 191,160. (No model.)

To all whom it may concern:

Be it known that I, HANNIEL M. HORINE, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Improvement in Flat-Irons, of which the following is a specification.

My invention relates to flat-irons having reservoirs for supplying water to the fabric during the operation of pressing; and the objects of the invention are, first, to supply water insulation between the base and the handle for preventing the heat of the base from radiating directly to the handle, and, second, to secure the handle to the reservoir at a point above the same and at the same time give the reservoir and base substantially the same contour, one removably attachable to the other, so that when the parts are assembled the sides will come flush with each other. In other words, the second object is to so construct the device that the lower portion constitutes virtually a two-part base divided on a horizontal plane, the lower part adapted to retain the heat and the upper part adapted to contain water for pressing and insulating. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the complete device. Fig. 2 is a longitudinal vertical section of the complete device, taken on the line 2, Fig. 3. Fig. 3 is a transverse sectional view taken on the line 3 3, Fig. 2. Fig. 4 is a fragmentary perspective view showing the means on the rear of the device for attaching the reservoir to the base of the iron.

Similar letters refer to similar parts throughout the several views.

This device is primarily intended for pressing the seams of garments, and the form here shown is one adapted for such use.

The base *a* is of solid iron, steel, or other metal pointed at the forward extremity and of any desired size and weight. The reservoir *b* is constructed of metal and by preference is smooth on the bottom, so as to slide upon and fit the top of base *a*. I prefer that

the reservoir have vertical sides and be of the same dimensions as the base, so that when the reservoir is in place thereon the sides will come flush with each other.

At the sides of base *a* are the lugs or guides *cc*, which are arranged longitudinally and adapted to be engaged by the ears *d d* of reservoir *b*. Said ears *d* are adapted to make a sliding fit over said lugs *c*, so that the reservoir may be attached to said base *a* by sliding said reservoir rearwardly along the top of said base until the sides of the reservoir and base become flush with each other. In order to hold the reservoir from sliding, a hook *e* is pivoted to the rear extremity of reservoir *b* and has a slot *e'* for engaging a headed screw or stud *f*, secured to base *a*. For convenience of operation it is desirable that hook *e* project above the upper surface of said reservoir *b*. The front of the reservoir is truncated for convenience of mounting of the delivery-spout *g* and valve *h*, which controls the rate of flow of water from the delivery-apertures *i* in the front of the reservoir. Said spout is attached at or near the bottom of said reservoir, and the shut-off valve *h* is pivoted to said reservoir at a point above said apertures. Said valve is operated by the handle *h'*, which for convenience projects above the top surface of reservoir *b*, and by varying the angle of inclination of said handle the amount of opening of the delivery-apertures *i* uncovered may be varied, thus regulating the rate of flow of water. Said spout preferably leads downward over the forward point of base *a*, so as to better conduct the water to the seam of the garment.

A handle *j* is provided which is secured to the reservoir by means of the legs *k k* or other suitable means.

A funnel-shaped filler *m*, with screw-cap *n*, is desirable to afford means for filling the reservoir. An aperture *o* in cap *n* forms a vent for the reservoir.

It is intended that the reservoir shall be removed from the base *a* when the latter is being heated, one purpose being to avoid the generation of steam within said reservoir.

Although I have described a form of iron

adapted for pressing garment-seams, it is within my conception that it may be adapted to iron any kind of fabric. It is within my conception also that the form and arrangement
5 of the parts may be considerably varied to suit manufacturing and commercial requirements.

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

10 1. In a flat-iron, a water-reservoir provided with a handle and a delivery-spout; in combination with a metal base constituting the smoothing part of the device, said reservoir and base being of substantially the same outline and said base being detachably attachable

to said reservoir whereby a single reservoir 15 and handle may suffice for a plurality of bases.

2. In a flat-iron, the combination of a metal base; a handle for operating the same; and a water-reservoir for dampening the fabric to be pressed, said reservoir being substantially 20 coextensive with said base and being located above the base and below the handle, whereby said reservoir constitutes a water-containing insulator for protecting said handle.

HANNIEL M. HORINE.

Witnesses:

J. I. McDONALD,
HOWARD M. COX.