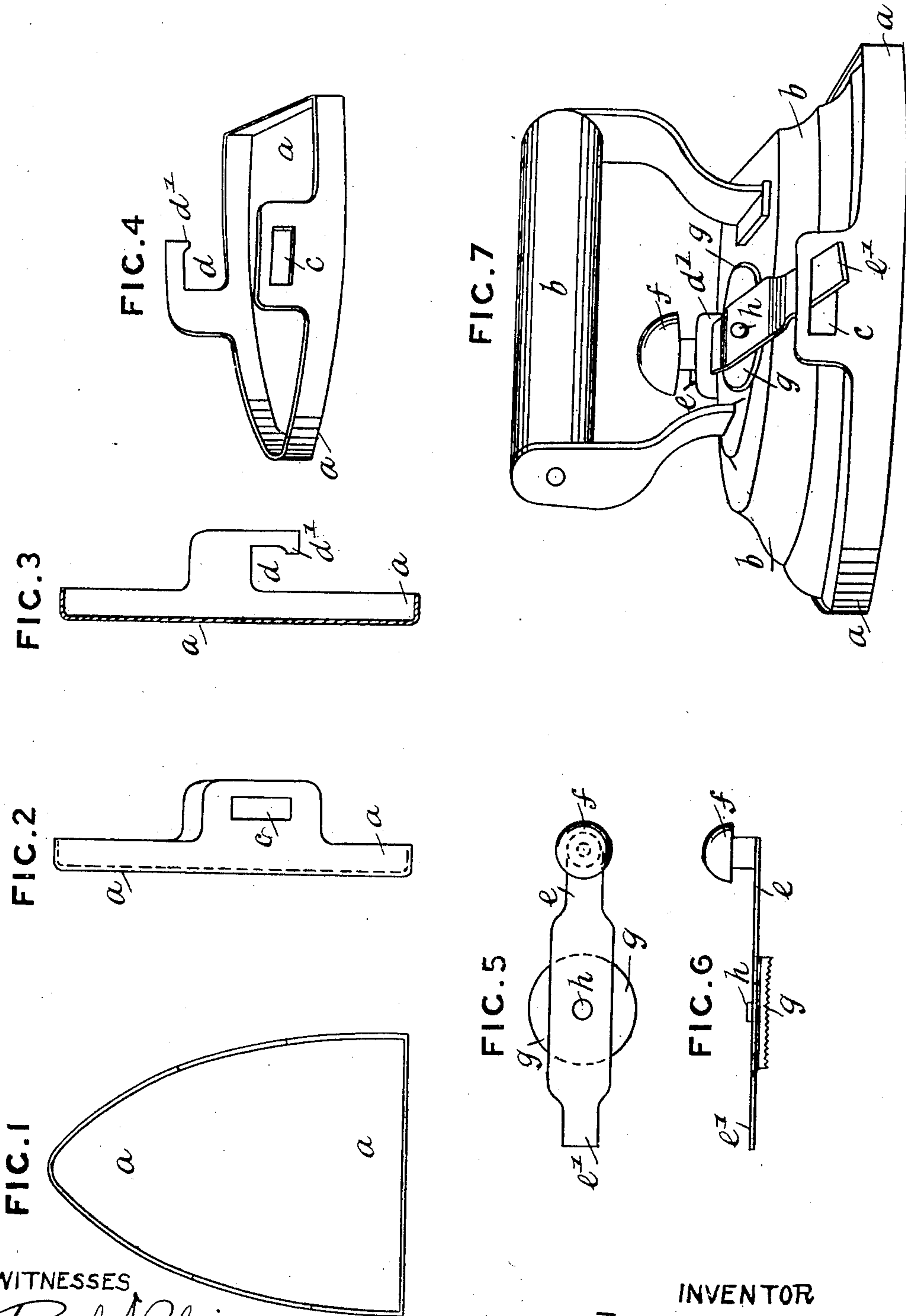


No. 869,679.

PATENTED OCT. 29, 1907.

J. R. ADAMS.  
LAUNDRY IRON.

APPLICATION FILED JULY 22, 1905.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN ROBERT ADAMS, OF BURSLEM, ENGLAND, ASSIGNOR OF ONE-HALF TO JAMES SHERWIN,  
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## LAUNDRY-IRON.

No. 869,679.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed July 22, 1905. Serial No. 270,849.

*To all whom it may concern:*

Be it known that I, JOHN ROBERT ADAMS, a subject of the King of Great Britain and Ireland, residing at The Croft, Sneyd Green, Burslem, in the county of Stafford, England, have invented new and useful Improvements in or Applicable to Laundry-Irons, of which the following is a specification.

This invention relates to improvements in or applicable to laundry irons such as are used for smoothing linen and other woven fabrics, either stiffened or otherwise.

The object of the invention is to provide such irons with a removable metallic shoe or shield which will present to the fabric or material being "ironed" a perfectly clean, polished and even surface, and one which has not been brought into direct contact with either burning fuel or gaseous flame, such shoe or shield being at the same time easily attachable to, and detachable from the heated iron and capable of being firmly and securely fixed upon different makes and sizes of laundry irons.

The manner in which the said invention is to be performed or carried into practical effect will be readily understood on reference to the sheet of drawings hereunto annexed and the following explanation thereof.

Figure 1 on the drawing is a plan view, Fig. 2 a side elevation, Fig. 3 a longitudinal section, and Fig. 4 a perspective view of the improved shoe or shield detached from the laundry iron. Fig. 5 is a plan view, and Fig. 6 a side elevation of the swiveling bar or spring attachment hereinafter referred to, and Fig. 7 is a perspective view of the whole arrangement secured to a laundry iron.

The shoe or shield *a* for inclosing the iron *b* is made of thin polished sheet metal (preferably brass) which is formed or stamped in a die to the required form and is turned up at the edges all round so as to incase the sides, back, and nose, of the iron, thus presenting a perfectly clean smooth and polished removable casing for operating upon the surface of the linen or other fabric. Near to the center of each side of the casting is formed a lug having a central opening *c* on one side and an open notch *d* on the other.

The attachment *e* (Figs. 5 and 6) is preferably made of spring steel, having at one end a handle *f* and near the center there is attached a plate or disk *g* which is movable on a central pivot or pin *h* and is jagged or roughened on the underside so as to take a firm hold on the upper surface of the iron *b* (which at this place is usually provided with the maker's name or the size of the iron, or both, in raised letters) and at the same time allows of the spring steel bar or attachment *e* being partially swiveled round on its axis *h* as herein-after mentioned.

The method of attachment of the shoe *a* to the laundry iron *b* consists in inserting the latter, as far forward as possible into the shoe *a*, then inserting the end *e'* of the spring *e* into the opening *c* at one side of the shoe. Then pressing down the other end of the spring by means of the handle *f*, so as to cause the roughened back of the plate *g* to take a firm hold on the top of the iron, the spring bar *e* is partially swiveled so as to bring the end carrying the handle into the open notch *d* at the other side of the shield or shoe *a*, and on releasing the end carrying the handle of the spring attachment the spring rises and is firmly held in place by the projection *d'* (Fig. 3) and the shield or shoe *a* is thereby firmly held in place upon the laundry iron *b*, as seen at Fig. 7.

It will be seen that the pressure exerted by the spring piece *e* secures the shield *a* to the iron vertically, and the jagged or roughened under surface of the disk *g* engaging with the brand or name which is usually seen on the upper part of the ordinary laundry iron of commerce, and the engagement of the two ends of the spring piece *e* in the opening *c* and notch *d* at the sides of the shoe or casing, secures the shield or shoe *a* firmly to the iron horizontally.

All that is necessary to release the iron *b* from the shoe *a* is to press slightly on the knob or handle *f* so as to release it from the projection *d'* and partially turn the spring piece *e* on its central pin or stud *h* so as to release both ends from the opening *c* and notch *d*, and the iron *b* can then be lifted out of the shoe or casing and another heated iron substituted and fixed as before.

### Claim.

1. A removable metallic shoe for an ordinary laundry iron provided with lugs to be engaged by a fastening bar in combination with a detachable fastening device consisting of a spring bar adapted to engage said lugs and provided with a support on which it is adapted to be swiveled, substantially as described.

2. In combination with an ordinary laundry iron, a removable metallic shoe, lugs on each side of said shoe, a central opening in one of said lugs and an open notch in the other, and a detachable fastening device comprising a spring bar adapted to removably engage one end in the opening in one of said lugs and the other end in the open notch of the other lug.

3. In combination with an ordinary laundry iron, a removable shoe, lugs on each side of the shoe, an independent fastening device consisting of a plate roughened on its lower face, a spring bar swiveling on the upper face thereof and adapted to engage said lugs, substantially as described.

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

JOHN ROBERT ADAMS.

Witnesses:

GEORGE DAVIES,  
J. ERNEST HUGHES.