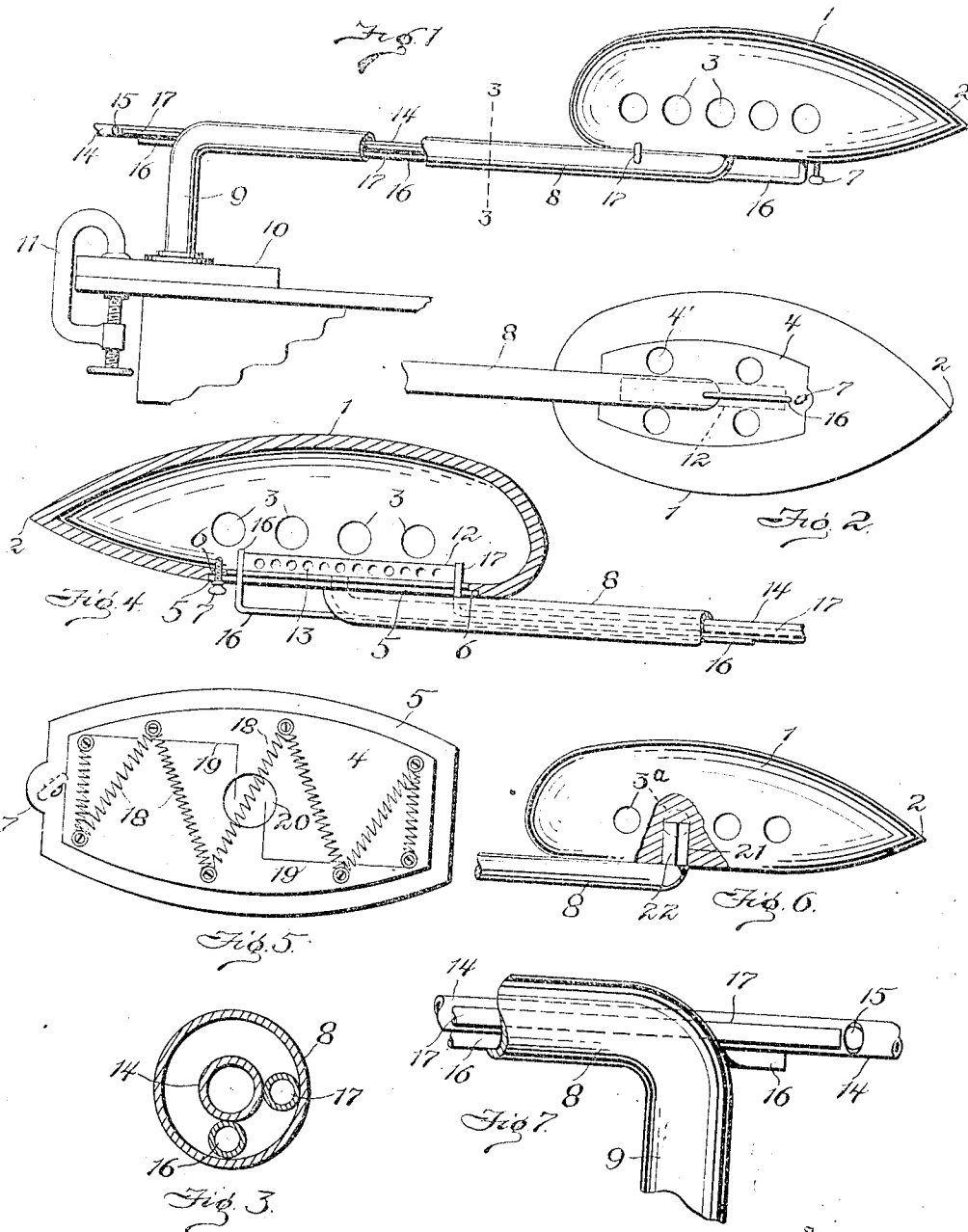


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PATENTED NOV. 19, 1907.

S. McLAUGHLIN.
SLEEVE IRON.

APPLICATION FILED NOV. 30, 1903.



Witnesses
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SLEEVE-IRON.

No. 871,733.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SUSIE McLAUGHLIN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful improvements in Sleeve-Irons, of which the following is a specification.

My invention relates to an improvement in ironing devices and particularly to sleeve irons.

The object of my invention is to provide a device whereby irons of various sizes may be used.

Another important feature lies in the shape of the iron which is especially designed for ironing sleeves from the inside and is provided with a pointed nose adapted to be forced along the seams and into tucks and gathers.

Still another novel point of my invention resides in the supporting arm which is arranged parallel with the longitudinal axis of the iron, thus allowing a sleeve to be pulled over the iron until the latter has reached the shoulder of the sleeve, which can then be ironed to a degree of perfection heretofore unattained. The arm is also designed to carry the means for supplying heat to the iron.

Finally the object of my invention resides in providing a device of the character described that will be strong, durable and simple and one that will be comparatively inexpensive and easy to manufacture, and also one in which the working parts will not be liable to get out of order.

With the above and other objects in view my invention consists in the novel details of construction and operation, a preferable embodiment of which is herein described in the specification and illustrated in the drawings, wherein:

Figure 1, is a side elevation with the supporting arm broken away to show the air and gas pipes, Fig. 2, is a bottom plan view showing the burner in dotted lines, Fig. 3, is an enlarged transverse sectional view taken on the line 3, 3, of Fig. 1, Fig. 4, is a view in elevation of the bed plate and its surrounding parts, Fig. 5, is a top plan view of the bed-plate showing a modification in which resistance coils are applied to the bed plate for heating the iron by electricity, and Fig. 6, is a view in elevation and partly in section showing a modified form of iron and

supporting arm. Fig. 7, is a detail view of a portion of the arm and the air pipes.

In the drawings the numeral 1 designates the iron which is oval in shape with a pointed nose 2. The particular shape of the iron is one of the essential and novel features of my invention, especially the nose 2 which owing to its long reduced and pointed contour will readily enter and smooth seams, tucks and gathers; while the upper surface of the iron affords means for ironing the plain portions of the sleeve. Openings 3 are provided along both sides of the iron for assisting the draft of the heating means, regulating the temperature, by allowing a portion of the heat to escape, and affording means whereby a pair of tongs may be inserted in oppositely disposed openings to facilitate the handling of the iron.

The iron rests on a flat bed plate 4 which is formed with a flange 5 adapted to fit in a recess 6 in the lower surface of the iron, thus preventing the iron from rocking, when pressure is applied thereto. As an additional means for securing the iron in position a set screw 7 is passed through the flange 5 and screwed into an aperture at the top of the recess 6, thus binding the flange 5 securely into the said recess. It is to be understood that irons of various sizes and slightly modified contours may be used and that it is only necessary to disengage the set screw 7 from the iron to release the same, when it may be lifted from the bed plate 4 and another substituted.

The bed plate 4 is supported by a horizontally disposed arm 8 which is secured to the said plate parallel thereto, as well as parallel to the longitudinal axis of the iron. It is essential that the positioning of the parts above mentioned be strictly carried out, for the reason that by having the arm 8 parallel to the iron and extending some distance therefrom, a sleeve may be slipped upon the iron, the nose 2 being inserted first, and pulled its entire length over the surface of the iron, either for smoothing a seam or pressing in tucks or gathers in various parts of the sleeve and the shoulder or for ironing the plain portions. In my device any part of a sleeve may be ironed without rumpling or marring the rest thereof. The arm 8 is supported by a post 9 which is secured to a base 10 adapted to be held in place on a table or the like by a clamp as 11.

Various means for heating the iron, some

of which I have illustrated, may be utilized. I prefer to heat the iron by gas and usually provide a burner 12 having apertures 13. The burner extends lengthwise of the bed plate 4 and is supplied with gas through a tube or pipe 14 placed inside the arm 8 and suitably connected with a source of supply. The pipe 14 protrudes beyond the end of the arm 8 and is provided with a pair of air openings 15 thus acting as the mixing tube of Bunsen burner. For accelerating the draft, a cold air pipe 16 passing through the arm beneath the pipe 14 is provided. This pipe 16 extends from the end of the arm 8 and is bent upward and carried through the bed plate terminating just above the end of the burner 12. A hot air or exhaust pipe 17 is also provided in the arm 8 at one side of the gas pipe 14 and bent so as to pass up through the bed plate and terminate just above the opposite end of the burner 12 from that at which the end of the cold air pipe 16 is located.

It will be observed that the outer end of the hot air pipe 17 terminates just short of the openings 15 in the mixing tube 14 and thus the gas passing through the pipe 14 and drawing in air through the said openings will tend to create a suction about the adjacent end of the hot air pipe, thereby causing the air drawn in through the cold air pipe 16 to pass through the iron across the burner 12 and out through the said hot air pipe 17. By this means a draft is maintained and the pressure in the iron kept at a minimum. Apertures 4' are formed in the bed plate for giving access to the burner 12 and assisting the draft.

In Fig. 5 I have shown the bed plate provided with resistance coils 18 and wires 19 for heating the iron by electricity. The wires 19 may be passed through the arm 8 and up through the bed plate by an opening 20. Still another form is illustrated in Fig. 6 where a solid iron 1 provided with openings 3^a adapted to receive a pair of tongs to

facilitate the handling of the same may be employed. The iron is provided with an angular recess 21 adapted to receive the angular end 22 of a parallel arm 8 whereby the iron is readily removable and yet secure when in position. The iron is heated in any suitable manner, as by placing it upon a stove and when heated it can be removed and placed in position on the end of the arm.

From the foregoing it will be seen that any part of a sleeve may be readily ironed from the inside by placing the sleeve on the iron and manipulating the sleeve over the face and nose thereof. However it is to be observed that the arm 8 must be parallel to the iron otherwise it would be impossible to pass a sleeve its full length over the iron and support the same approximately parallel thereto.

I do not wish to limit my invention to an iron for pressing sleeves as the same may be used for other purposes and slight changes may be made in the details of construction and operation of the various parts without departing from the spirit of the invention.

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

In an ironing device, a hollow iron, a hollow arm to which the same is secured, said arm and iron extending in parallel planes, said arm being elongated and secured to a post extending at a right angle thereto, and at the juncture thereof being formed with an opening, in combination with a burner arranged within the iron, and means for feeding fuel thereto, said means extending through said arm and the opening thereof.

In testimony whereof I affix my signature in presence of two witnesses.

SUSIE McLAUGHLIN.

Witnesses:

JESSE WILLIAMS,
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