

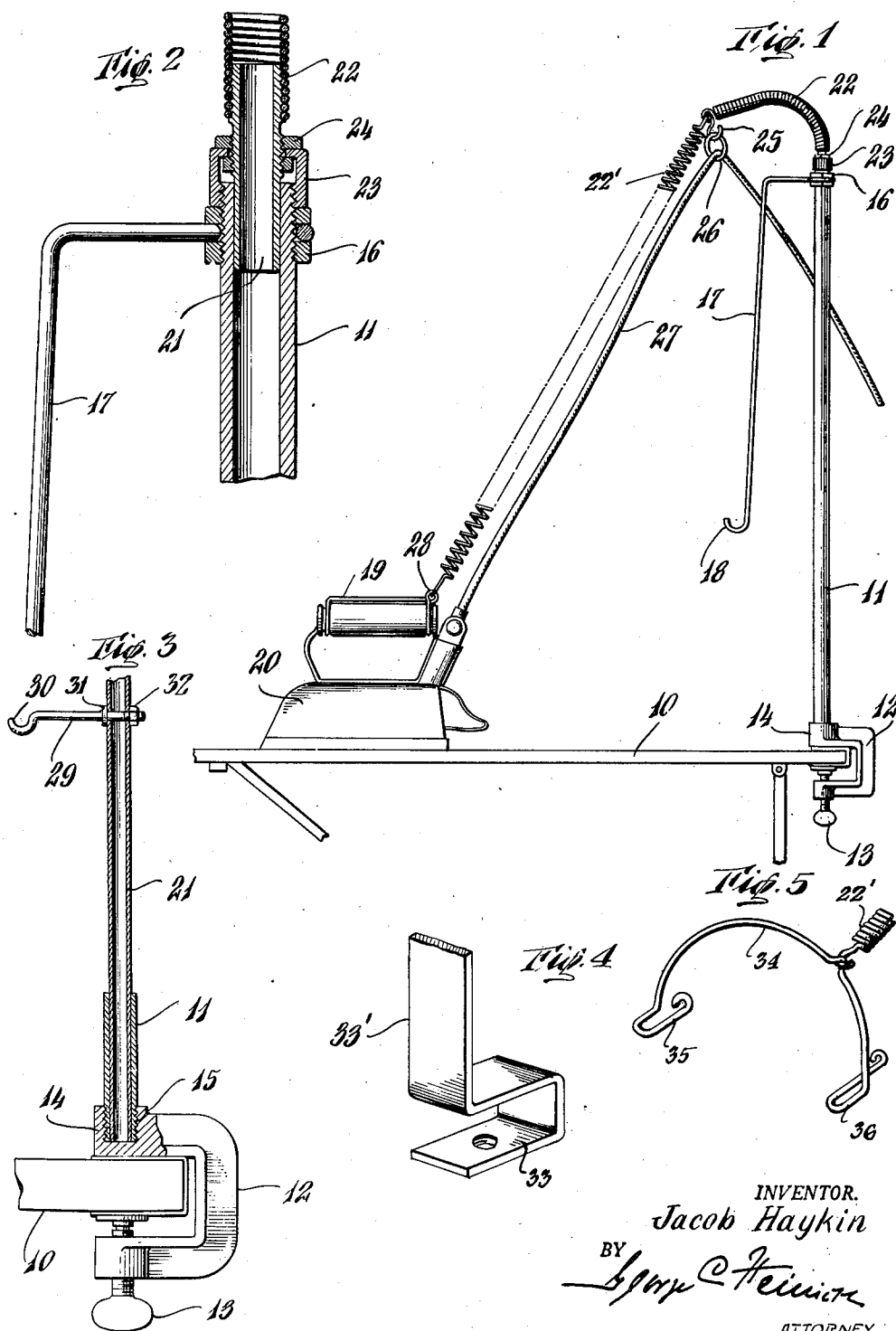
Sept. 7, 1943.

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2,328,718

FLATIRON SUPPORT

Filed March 17, 1942



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Patented Sept. 7, 1943

2,328,718

UNITED STATES PATENT OFFICE

2,328,718

FLATIRON SUPPORT

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Application March 17, 1942, Serial No. 434,995

4 Claims. (Cl. 248—51)

My invention relates to a novel and useful supporting device for the sadirons or flatirons used in homes and shops for pressing articles of laundry or clothes, and it is the principal object of my invention to provide a support which facilitates the operation of the iron to such a degree that even a child will be able to operate the iron as much of the energy heretofore necessary to operate the iron on account of its weight will be preserved.

Another object of my invention is the provision of a support of this type which is equipped with suitable means for guiding the electric cable in such manner as to prevent its interfering with the operation of the iron and keep it from becoming entangled.

A further object of my invention is to provide a support for a flatiron equipped with means whereby the iron, when not in use may be supported by its suspension from a hook or by placing it on a small table or platform out of the way of the operator.

A still further object of my invention is the provision of a device of this character which is comparatively simple and inexpensive, yet durable and highly efficient in use, and which may be readily and removably clamped or otherwise secured on a table or the like.

These and other objects and advantages of my invention will become more fully known as the description proceeds and will then be more specifically defined in the appended claims.

In the accompanying drawing, forming a material part of this disclosure:

Fig. 1 is a fragmentary front elevation of an ironing board equipped with a supporting device for the iron constructed according to my invention.

Fig. 2 is a fragmentary, sectional elevation of the upper part of the device on a somewhat enlarged scale.

Fig. 3 is a fragmentary sectional elevation of a modified form of my device.

Fig. 4 is a perspective view of a modified form of clamping means for my device.

Fig. 5 is a perspective detail view of a modified form of connecting member between spring and iron handle.

As illustrated, to an ironing board 10 of any desired type, is attached an upright, preferably hollow post 11 by means of a clamp 12 held in place by a thumb screw 13 engaging the ironing board from below while its upper portion engages the board from the top, preferably by arranging suitable washers between table and clamp; the

latter has formed therewith a socket 14 in which the lower end of the post 11 is held in any convenient manner as for instance by threads 15.

To the upper end of the post 11 is threaded a collar 16 or the like provided with a circumferential groove in which is guided the upper end of a hook 17 or the like, the lower end 18 of which has suspended therefrom the frame or loop 19 normally attached to the handle of the iron proper 20. Into the upper end of the post 11 is screwed the lower end or socket 21 of a strong spiral or coil spring 22 secured in place by means of a knurled collar 23 engaging a grooved collar 24 on socket 21.

To the spring 22 is attached intermediate its ends a hook 25 or the like carrying a ring 26 through which is guided the cable 27 feeding the iron with the necessary current. To spring 22 is attached the upper end of a lighter spring 22', the lower end of which is attached to an eye 28 of the handle engaging loop 19.

In the modified form of my invention shown in Fig. 3, the hook 17 of the preferred form is substituted by a rod 29 having its outer end hook-shaped, as at 30, for the suspension of the iron therefrom by the engagement of the eye 28 of the loop 19. The inner portion of the rod 29 carries a collar 31 and is then passed through the socket 21 of the spring 22 which in this form is frictionally held within the post 11, and a nut 32 on the outer end of the rod 29 secures the same in place.

In Fig. 4 I have shown a modified form of clamp 33 which is to be used in place of the clamp 12 if for instance a square upright 33' is to be used to suspend the iron therefrom in which case the strong spiral coil spring 22 is attached to the top end of the upright part 33' in any desired manner.

In Fig. 5 I have now shown a modified form of the connecting member between spring 22' and the handle of the iron. This member is designated 34 and has its ends 35 and 36 formed into elements 35 and 36 respectively adapted to engage the handle ends of the iron for a ready attachment and release and positively avoiding eventual short circuits.

It will be understood that I have shown and described the preferred forms of my device as a few examples only of the many possible ways to practically construct the same and that I may make such changes in its general arrangement and in the construction of its minor details as come within the scope of the appended claims

without departure from the spirit of my invention and the principles involved.

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

1. In a support for electrically operated flatirons, a hollow post attached to a suitable support, a strong coil spring turnably attached to the upper end of said post, a lighter spring attached to said coil spring at one of its ends, a member attached to the handle of the flatiron to which the other end of said lighter spring is attached to relieve the strain on the operator's arm during the ironing operation, and means to clamp said post to a support.

2. In a device for facilitating the operation of sad irons, a post, a clamp including a socket for the reception of the lower end of said post, said clamp to engage a support by the intermediary of a washer, a strong coil spring movably secured by means of a knurled collar to the upper end of said post, a lighter spring secured at one end to the end of said coil spring, and a means for securing the other end of said lighter spring to the handle of said sad iron.

3. In a device for facilitating the operation of

sad irons as described, a post, a clamp for securely clamping the post to a support, a strong coil spring turnably secured to the upper end of said post by means of a knurled collar, a lighter spring attached at one end to the unattached end of said coil spring and at its other end to the handle of the sad iron, and a grooved collar on said post beneath the knurled collar, a hook guided at its upper end in the groove of said collar and depending therefrom for engagement by the handle of the sad iron to form a rest for the same during its inoperative state of rest to leave the support unobstructed.

4. In a device for facilitating the operation of sad irons, as described, a post, a means for securely clamping the post to a support, a strong coil spring equipped with a threaded socket at one end screwed into the upper end of said post, a lighter spring secured at one end to the unattached end of said coil spring, a handle engaging loop on the iron to which the other end of said lighter spring is attached, and means to guide a cable associated with said coil spring to keep the same out of the way during the ironing operation.

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