F. E. FOSTER.

CREASING IRON.

APPLICATION FILED MAY 29, 1911.

1,014,698. Patented Jan. 16, 1912.

Fig. 3.

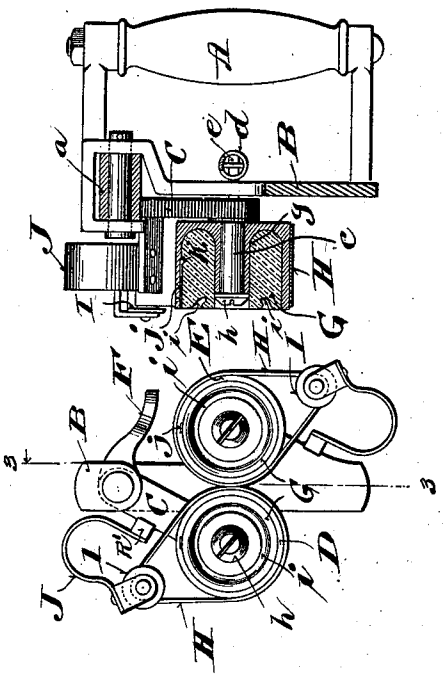
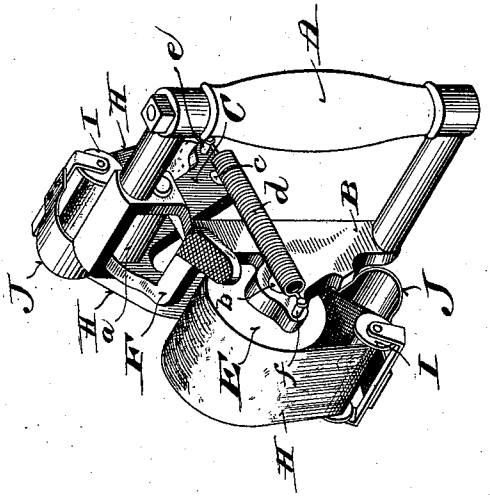


Fig. 2.

Fig. 1.



Witnesses:
Clarence Young.
May Downey.

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UNITED STATES PATENT OFFICE.

FREDERICK E. FOSTER, OF MILWAUKEE, WISCONSIN.

CREASING-IRON.

1,014,698. Specification of Letters Patent. Patented Jan. 16, 1912.

Application filed May 29, 1911. Serial No. 630,155.

To all whom it may concern:

Be it known that I, FREDERICK E. FOSTER, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Creasing-Irons; and I do hereby declare that the following is a full, clear, and exact description thereof.

The object of my invention is to provide a simple and effective iron for creasing garments, its particular object being to crease said garments quickly without removing the same from the person of the wearer, said invention consisting in certain peculiarities of construction and combination of parts as hereinafter fully set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings: Figure 1 represents a perspective view of a creasing device embodying the features of my invention; Fig. 2, a face view of the same, and Fig. 3, a vertical section view thereof, said section being indicated by line 3—3 of Fig. 2.

Referring by letter to the drawings, A indicates a handle secured to arms of a skeleton frame B, said frame at one end being provided with a stirrup, into which is pivoted the hub *a* of an arm C, upon the free end of which is mounted a gripping roller D constituting one member of a pair of creasing rolls. The opposite gripping-roller E of the creasing members is mounted upon a fixed stud *b* projecting from the face of the frame B, while the roller D is similarly mounted upon a stud *c* extending from the arm C aforesaid.

The gripping-rollers and their detail connections are similar in every respect, except that roller D, being hung upon the arm, is capable of opening and closing with relation to the face of the fixed roller for the purpose of adjusting the device upon a garment previous to creasing the same. In order to exert a pressure between the faces of said rollers, a spring *d* is secured to a pin *e* projecting from the arm C and connected to a similar pin *f* extending from the frame B, and when it is desired to spread the rollers apart, the operator presses a thumb-piece F, which extends outward and backward from the hub of said arm C, said thumb-piece being within easy reach of the thumb when the handle of the device is gripped.

To facilitate heating the rollers, they are preferably made hollow with central hubs *g*, said rollers being secured in place upon their respective studs by headed screws *h*. Fitted loosely over said hubs are detachable slugs G, which are provided with annular recesses *i*, into which a suitable tool may be inserted for removing said lugs for the purpose of heating the same. Each slug when pushed in place within the hollow rollers, is held therein by a spring dog *j* secured to the inner face of its respective roller, the dogs being arranged to snap into indentures *k* in the face of the slugs, as best illustrated in Fig. 3, of the drawings. To prevent the rollers from polishing when heated, belts H, of any suitable fabric, are fitted thereto at their working faces, so as to come in contact with the clothes or garment to be creased. These belts are arranged to run over spools I secured to springs J, which springs serve to hold the belts under tension and are attached to posts *k'*, *m*, the former being integral with arm C, while post *m* projects from the skeleton frame B, as shown.

By the arrangement of belts it will be seen that when the device is in use, said belts are continually in motion, the effect of which is to keep them from becoming overheated by contact with the heated rollers. In the operation the slugs are heated from any convenient source and then pushed into the rollers, the swinging roller is then moved away from the fixed roller by pressure upon the thumb-piece, and the device placed upon the garment or trousers to be creased, the operator then runs the iron up and down until the desired crease is obtained, it being understood that the arm C has been released by the thumb of the operator, so as to permit pressure of the spring to be exerted against the material which is between the rollers.

When creasing trousers upon a person, the legs of the trousers may be held at their bottoms by any suitable clamp, and as the operator has one hand free, he can readily manipulate the trousers while creasing them to produce the best results.

I claim:

1. A creasing-iron comprising a frame, a handle projecting therefrom, an arm pivoted to the frame provided with a thumb-extension, a roller mounted upon the end of the arm, another roller carried by said frame

in opposition to the first named roller, a spring for holding said rollers under tension with relation to each other, a spool in connection with the arm, an endless belt connecting the spool and roller of the arm, a spool in connection with the frame, and an endless belt connecting the latter spool and roller carried by said frame.

2. A creasing-iron comprising a frame, a handle projecting therefrom, an arm pivoted to the frame provided with a thumb-extension, a hollow open-end roller mounted upon the end of the arm, another hollow open-end roller carried by said frame in opposition to the first named roller, detachable heating slugs adapted to be locked in the rollers, a spring for holding said rollers under tension with relation to each other, a spool in connection with the arm, an endless belt connecting the spool and roller of the arm, a spool in connection with the frame, and an endless belt connecting the latter spool and roller carried by said frame.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

FREDERICK E. FOSTER.

Witnesses:
GEO. W. YOUNG,
MAY DOWNEY.