Oct. 28, 1924.

1,513,258

J. MANZ

CONDUCTOR SUPPORT

Filed July 23, 1923

Fig. 1.

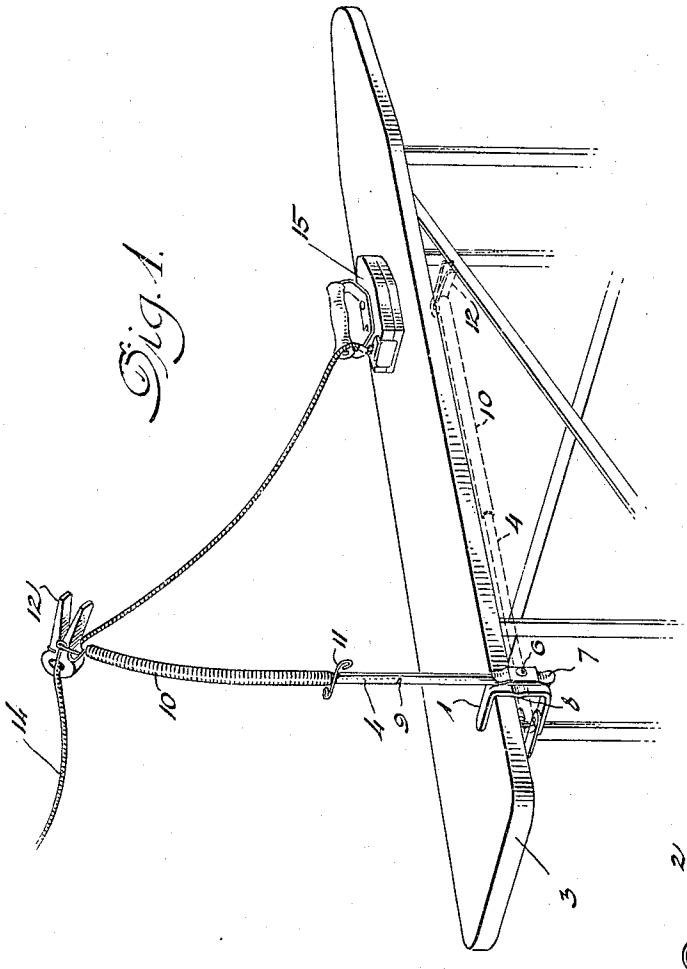
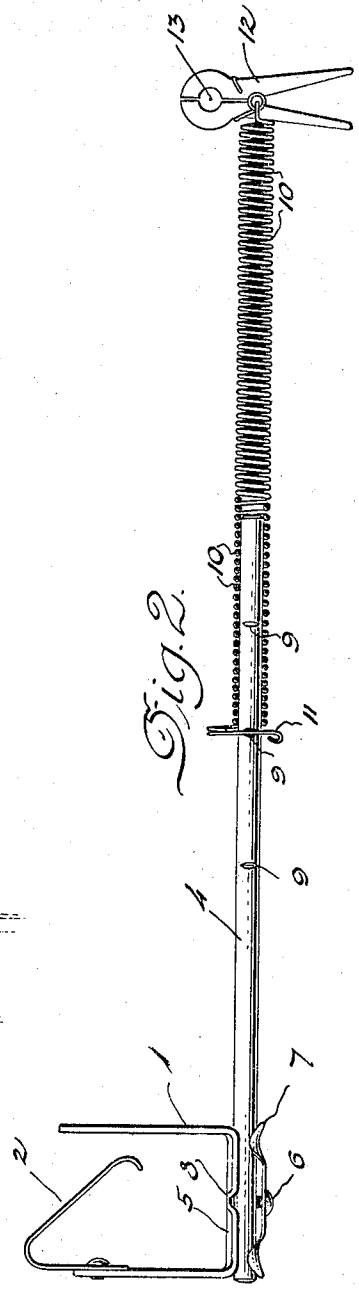


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN MANZ, OF DETROIT, MICHIGAN.

CONDUCTOR SUPPORT.

Application filed July 23, 1923. Serial No. 653,401.

To all whom it may concern:

Be it known that I, JOHN MANZ, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Conductor Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a support for the supply wire for an electric flat iron, and it has for its object to provide a device which may be readily placed in position upon any ordinary ironing board or table to support the electric conductor out of the way of the articles to be ironed.

A further object of the invention is to provide a support capable of ready adjustment to hold the wire at different heights and having a form of mounting enabling the support to be swung entirely out of the way, if the operator so desires.

Other and further objects will appear in connection with the following specification, reference being had to the drawings forming a portion thereof in which—

Figure 1 is a perspective view showing the support in operative position in full lines and in inoperative position in dotted lines, and

Fig. 2 is a plan view of the device, a portion being shown in section.

The support consists of a U-shaped member 1 having a spring 2 adapted to engage the underside of an ironing board or table 3, a standard 4 being pivoted upon the base 5 of the U-shaped clamping member by means of a pivot 6.

A spring 7 secured upon the pivot 6 presses with its opposite concaved ends against the outer surface of the standard 4 to hold it securely within a recess or groove formed within the base 5 when the standard is in the upright position indicated in Fig. 1 in full lines, the spring also acting to hold the rod or standard 4 within a transverse recess 8 which extends at right angles to the groove or recess previously mentioned.

In Fig. 1, the standard is shown in dotted lines as turned at right angles to the base of the clamp member 1 and lying parallel with the edge of the board 3.

The standard 4 preferably consists of a cylindrical rod provided with a plurality of notches 9 spaced at intervals remote from the pivot 6 and upon the outer end of the rod is mounted a spiral spring 10 of a size capable of being slid easily longitudinally of the rod. The inner end of the spring is formed with a transverse portion 11 adapted to engage within the notches 9 to hold the spring at various positions of adjustment longitudinally of the standard 4. The outer end of the spring is bent into engagement with a clamp member 12 having spring pressed jaws, this clamp member resembling a familiar form of clothes pin, the jaws however being formed with opposed recesses to provide a channel 13 adapted to receive an electric conductor 14 forming the supply wire for an electric sad iron 15.

The operation of the device will be obvious from the illustration, the flexible spring 10 being capable of yielding to accommodate itself to the various movements of the iron while holding the conductor 14 in any desired position of adjustment above the surface of the board. The spring member 7 yields readily to pivotal movement of the standard 4 so that the device may be swung down either to the right or left in Fig. 1, so that the standard will lie parallel with the table and entirely out of the way of any work placed thereon. The spring fingers of the clamp member 12 may readily be opened to enable the conductor to be withdrawn therefrom when desired, and the spring 2 yields to permit ready withdrawal of the clamp member 1 from the table whenever desired. The space between the parallel legs of the U-shaped clamp will be considerably greater than the average thickness of an ironing board, and this extra space will permit yielding of the flexible spring 2, so that the clamp member 1 may rock transversely of the plane of the ironing board if an extreme strain is applied to the standard 4 or the spring 10, before pivotal movement of the standard on the pivot 6 will occur.

It will be seen that there is thus provided a simple, inexpensive and efficient holder of sufficient rigidity to sustain the supply wire of a flat iron out of the way of the work to be ironed, while at the same time there is provided all the necessary flexibility to permit free movement of the flat iron throughout its range of operation.

It will be understood that the details of construction herein described and illustrated may be modified without departing from the principle of the invention or sacrificing any of its advantages. The invention is there-

fore claimed broadly within the full and legitimate scope of the appended claims.

I claim:—

1. A support comprising a standard, clamping means carried by one end of said standard, a spiral spring mounted upon said standard and slidable longitudinally thereof, and a clamp carried by the free end of said spiral spring.

2. A support comprising a standard having a notch formed in the side thereof, a spiral spring slidably adjustable upon said standard and having a portion thereof adapted for engagement with said notch whereby the spring may be held from slidable movement, a clamp member carried by the free end of said spring, and clamping means carried by said standard.

3. A support comprising a standard, a U-shaped clamp member having its base grooved to receive said standard, a pivot connecting the standard and the base, a spring mounted upon said pivot and bearing against the outer side of the standard to hold it in contact with the base, and a spring secured to one of the legs of the U-shaped member and lying within the interior of the U and having its free end spaced from the other leg of said member whereby when the U-shaped clamp is placed upon the edge of a table or other support with the legs on opposite sides thereof, the spring will bear yieldably against the surface of the table to permit tilting of the U-shaped clamp with respect to the table when the standard is moved angularly thereto.

4. A support for the cable of an electric iron adapted to be used on an ironing board, comprising a standard pivotally attached to the edge of an ironing board with its pivot point below the upper surface of the board and supported so that it may be swung into parallelism relative to an edge of the ironing board and below the upper surface thereof when not in use.

5. A support for the cable of an electric tool adapted to be used adjacent a board, comprising a standard having one end thereof pivotally mounted on the edge of the board below the upper surface of said board so that said standard may be swung to a position below the upper surface of the board, said standard having a free flexible portion for supporting the cable.

6. The combination of an ironing board, and a standard normally supported by the board and below the upper surface thereof and adapted to be swung to an upright position to support a cable above said board.

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

JOHN MANZ.

Witnesses:
ARTHUR MINNICK,
ANNA M. DORR.