C. S. HALL AND F. D. SMITH.

SOLDERING IRON HOLDER.

APPLICATION FILED DEC. 23, 1919.

1,333,616. Patented Mar. 16, 1920.

Fig. 1.

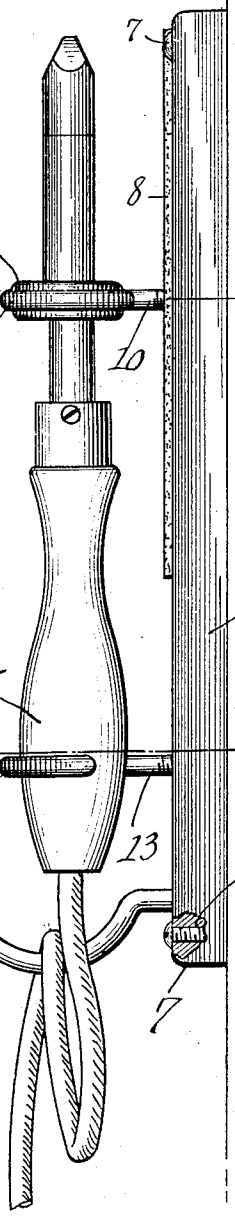


Fig. 2.

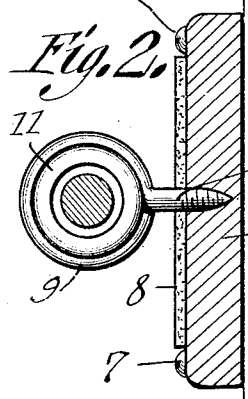
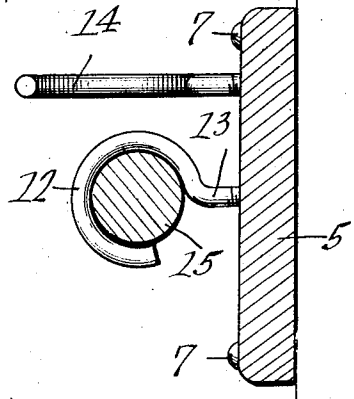


Fig. 3.



C. S. Hall AND
F. D. Smith
Inventors

Witness

By Cushman & Co.
Attorneys

UNITED STATES PATENT OFFICE.

CHRIS S. HALL AND FREEMAN D. SMITH, OF DYERSBURG, TENNESSEE.

SOLDERING-IRON HOLDER.

1,333,616. Specification of Letters Patent. Patented Mar. 16, 1920.

Application filed December 23, 1919. Serial No. 346,848.

To all whom it may concern:

Be it known that we, CHRIS S. HALL and FREEMAN D. SMITH, citizens of the United States, residing at Dyersburg, in the county of Dyer, State of Tennessee, have invented a new and useful Soldering-Iron Holder, of which the following is a specification.

This invention relates to new and useful improvements in soldering iron holders, and it is the primary object of the invention to provide a holder or support which will support the iron in such position as to direct the heat of the heated end thereof, from the handle of the support, thus eliminating any possibility of the handle being burned from the iron.

A further object of the invention is to provide a device of this character which will permit the iron associated therewith to be readily and easily inserted in the holder.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 illustrates a side elevational view of a holder constructed in accordance with the present invention, the same being shown as supporting an electric iron;

Fig. 2 illustrates a transverse sectional view taken on line 2—2 of Fig. 1; and

Fig. 3 illustrates a sectional view taken on line 3—3 of Fig. 1.

Referring to the drawing in detail, the reference character 5 designates the base of the holder which is formed of any suitable material and is preferably of a length substantially equal to the length of the iron to be supported.

Openings 6 are provided in the ends of the base 5, which openings accommodate the securing screws 7 which secure the base 5 to a wall, as illustrated by Fig. 1 of the drawing, or it may be found more practical to secure the base to a table having a horizontal top, in which case the securing screws 7 are embedded within the top of the table.

An asbestos protecting sheet 8 is secured to the outer surface of the base 5, and is of a width slightly less than the width of the base 5 to protect substantially the entire upper surface of the base 5, that is, the surface adjacent the heated end of the tool, the asbestos protecting plate 8 being shown as extending to a point intermediate the length of the body 5.

A supporting ring 9 which is provided with a threaded shank 10, has connection with the base 5 through the protecting plate 8, and provides a support for the insulating porcelain ring 11 which is of a diameter to be embraced by the circular portion of the ring 9, the porcelain ring 11 being provided with an annular groove to accommodate the ring 11, whereby movement of the porcelain ring 11 with relation to its supporting ring 9, is absolutely prevented.

Supported in spaced relation with the ring 9, and secured within the opposite end of the base 5, is a circular supporting member 12 which is also provided with a threaded shank 13, to provide means for securing the supporting member 12 to the base 5, and as shown, the side walls of the supporting member 12 lie in spaced parallel relation with the side walls of the ring 9, and in direct alinement with each other to support the opposite end of iron associated with the support.

A hook member 14 is also connected to the base 5, and provides means for supporting the conductor which conducts the electric current from the source of supply, to the tool and which conductor is usually exceptionally long to permit an unlimited use of the tool.

It is preferred however, to secure the supporting device to a wall, as indicated by Fig. 1 of the drawing, wherein the upper, or operating end of the tool is above the handle thereof, so that the heat radiating from the operating end of the tool will pass upwardly or in a direction away from the handle portion thereof.

It is however, essential that the tool, which is associated with the supporting device as

illustrated be provided with a handle having a relatively large handle portion indicated at 15 in the drawing, so that the tool will not pass through the supporting member 12, but will be supported rigidly therein.

In order to remove the tool from the holder, it is only necessary to move the tool upwardly in the supporting ring 9, after which movement a lateral movement of the handle permits the tool to be drawn or moved downwardly and out of relation with the supporting ring 9.

Having thus described the invention, what is claimed is:—

1. An iron support including a base, a circular supporting member secured to the base adjacent one end thereof, a supporting member secured to the base adjacent the opposite end thereof, an insulating ring supported by the circular supporting member, and an insulating plate secured to the base.

2. An iron support including a base, a circular supporting member having a threaded shank, the threaded shank adapted to be positioned within the base adjacent one end thereof, a supporting member secured to the base adjacent the opposite end thereof, means for insulating the circular supporting member, and an insulating plate secured to the base adjacent the circular supporting member.

3. An iron support including a base, circular supporting members disposed in spaced relation on the base, one of said supporting members having an insulating ring forming a part thereof, and an insulating plate secured to the base at a point under the circular supporting member.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

CHRIS S. HALL.
FREEMAN D. SMITH.

Witnesses:
W. H. STONE,
P. V. WHITE.