June 24, 1930. J. W. KIRKNER ET AL 1,765,679

PRESSING IRON

Filed Aug. 9, 1929

Fig. 1.

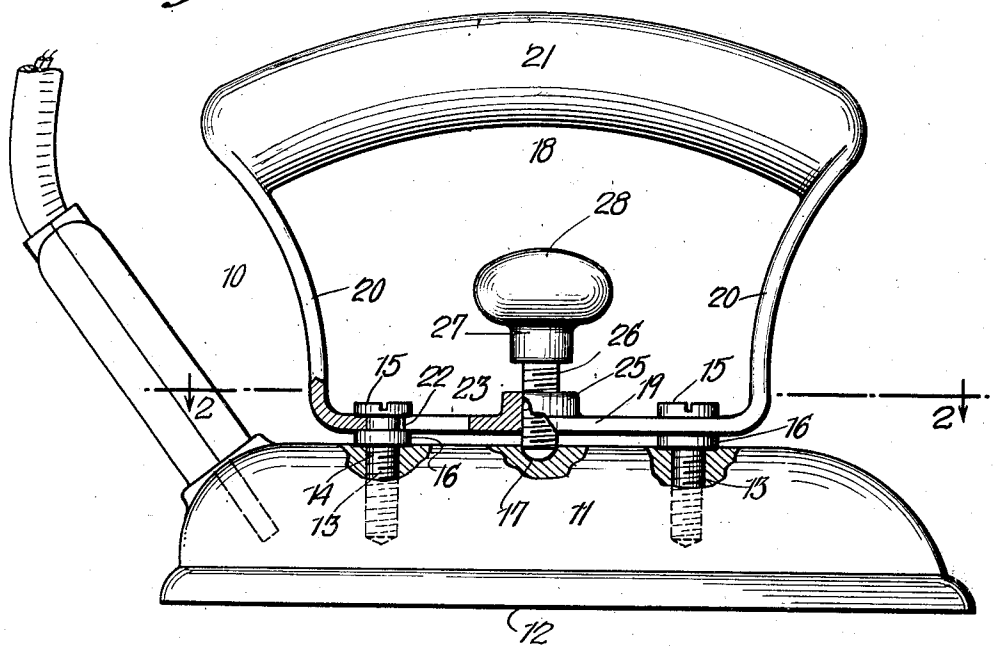
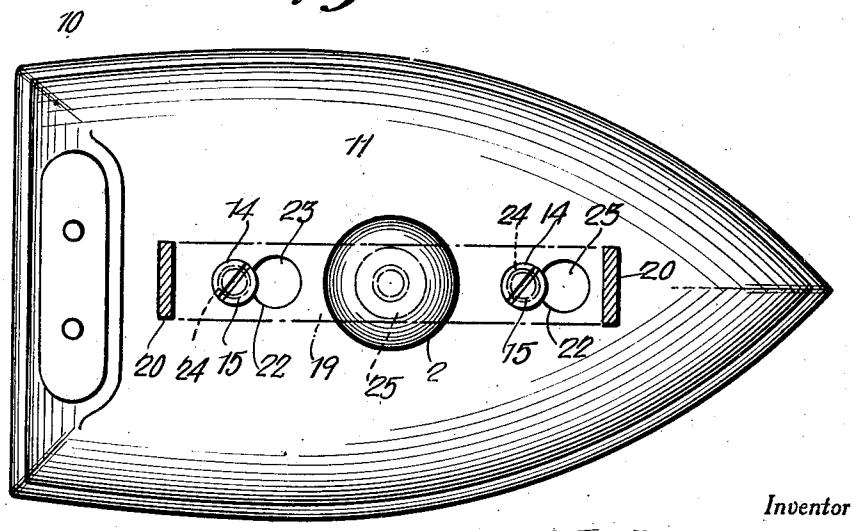


Fig. 2.



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PRESSING IRON

Application filed August 9, 1929. Serial No. 384,682.

This invention relates to improvements in pressing irons, and more particularly to a detachable handle therefor.

The primary object of the invention resides in an electrical sad iron provided with a quickly detachable handle for facilitating convenient packing of the same in a traveling bag, trunk or the like so as to require but a minimum amount of storage space.

Another object of the invention is to provide a detachable handle, and means for maintaining an air space between the handle and the body of the iron to prevent heating up of the handle whereby the said handle is kept cool at all times for permitting direct contact therewith during use.

A further object of the invention is the provision of a pair of double headed studs secured to and extending above the body of the iron for reception in slots provided in the handle member, the manipulating means for maintaining the handle member in rigid engagement with the body of the iron, the heads of the studs acting to support the base of the handle member in spaced relation to the body of the iron.

With these and other objects in view, the invention resides in the certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are pointed out in the appended claims, and shown in the accompanying drawings, in which:

Figure 1 is a side elevational view of my invention with parts broken away in section.

Figure 2 is a horizontal sectional view on the line 2—2 of Figure 1.

Referring more particularly to the drawings, the reference character 10 designates my improved sad or pressing iron in its entirety which includes an iron body 11 provided with the usual flat pressing surface 12, and in the present instance the said body is shown as that of an electric iron, although an electric iron has been shown in the drawing, I do not wish to limit myself thereto as the iron may be of the ordinary type which may be set over a stove for the purpose of heating the same. Threaded into the body 11 through the top thereof are the threaded shanks 13 of a pair of studs 14. Each stud including a circular head 15 and an annular flange 16 in spaced relation to said head. In other words, the stud may be termed dual head studs for a purpose to be presently explained. The studs 14 are disposed in spaced relation to each other and in longitudinal alinement, while the top of the body 11 intermediate the stud is provided with a concavity or recess 17.

Detachably connected to the iron body 11 is a handle member 18 which includes a flat metal base 19 having front and rear upwardly extending arms 20 to which the hand grip 21 is connected, and which bridges the space between the front and rear arms 20. The base 19 provided with a pair of keyhole shaped slots 22, the enlarged portion 23 being slightly larger in diameter than the heads 15 of the studs, while the reduced portion 24 of the said slots are of a width to snugly accommodate the shank 13 of the stud, it being understood that the handle member is applied to the iron body by inserting the head 15 of the stud through the enlarged portion 23 of the slot and then shifting the handle member longitudinally in a forward direction. In this position the flanges or head 16 of the respective studs serve as spacers for spacing the base 19 of the handle member away from the top of the iron body 11. For the purpose of securing the handle member 18 in connection with the iron body, the base 19 is provided with a centrally enlarged boss 5, which threadedly receives the shank 26 of a set screw 27, the same being provided with a manipulating head 26 which is in reach of the fingers of the hand of the operator when grasping the hand grip 21. When the handle member has been shifted in the manner just explained, the axis of the set screw is in alinement with the concavity 17 and upon downward screwing of the set screw, the free end of the shank will seat in the concavity, thus placing a tension or upward pressure upon the base 19 which locks the handle member against accidental longitudinal movement. It will be understood that to separate the handle member 21 from the iron proper, it

is only necessary to unscrew the set or clamping screw 27 so that the free end of the shank clears the top face of the iron body, whereupon the tension on the base 19 is relieved and the handle member is free to be moved longitudinally in a rearward direction to cause the head 15 of the stud to be in register with the enlarged portion 23 of the key hole shaped slot. The handle is then free to be lifted from the iron body for packing purposes, it being appreciated that a fixed handle such as now used in connection with electric irons renders the iron cumbersome for convenient packing in a suitcase, trunk or like container.

While we have shown and described what we deem to be the most desirable embodiment of our invention, it will be appreciated that certain changes in construction, may be resorted to without in any way departing from the spirit of the invention.

Having thus described the invention, what we claim as new and desire to secure by Letters Patent is:—

In combination with a pressing iron having longitudinally spaced threaded sockets in its upper side and an unthreaded depression intermediate the sockets, studs threaded into the sockets and projecting upwardly from the iron, an integral right angularly disposed head on said studs engageable with the upper side of the iron, a transversely slotted head on the upper ends of the studs extending at right angles thereto in spaced opposed relation to the first named head, a handle member including a flat base provided with keyhole shaped slots for the reception of the studs at a point intermediate the heads, said heads embracing the base therebetween, and a set screw threaded through the base portion of the handle member and adapted to rotatably seat in the depression in a manner to urge the iron and handle apart and prevent relative longitudinal movement therebetween.

In testimony whereof we affix our signatures.

JOHN W. KIRKNER.
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