Aug. 21, 1928. 1,681,291

E. E. GLASS

SADIRON RECEPTACLE

Filed May 25, 1927 2 Sheets-Sheet 1

Fig. 1.

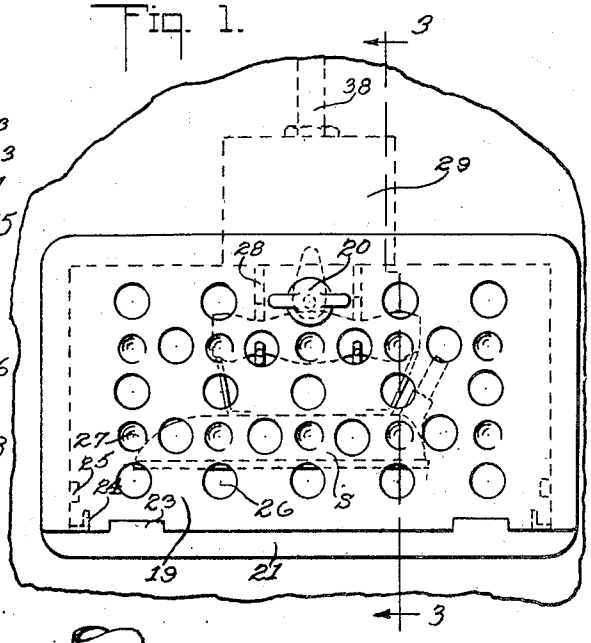


Fig. 3.

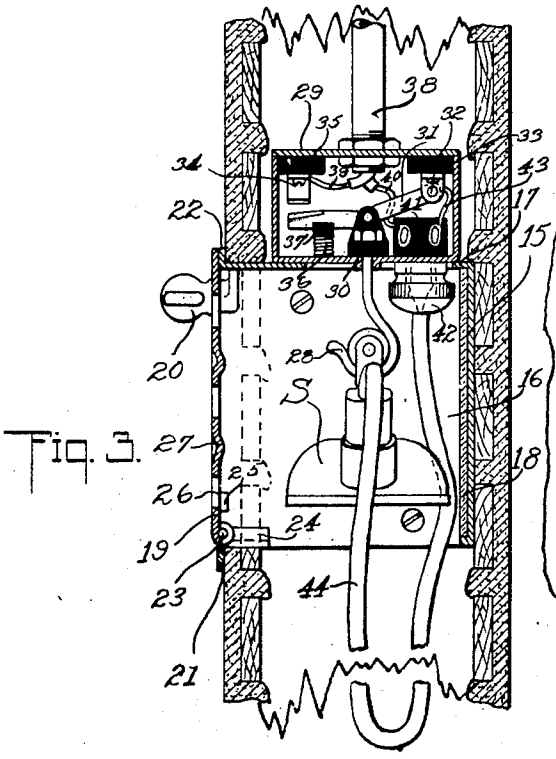
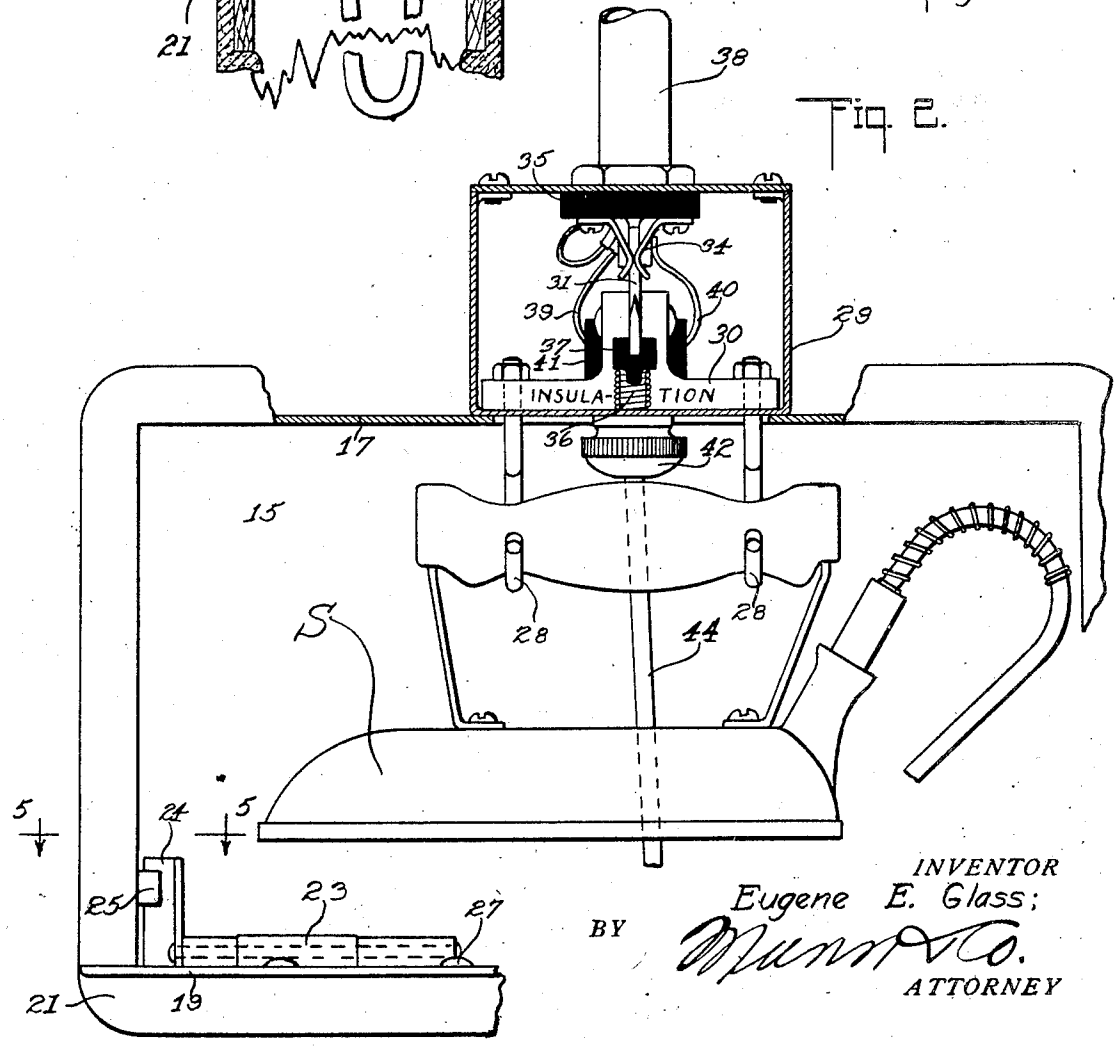


Fig. 2.



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Fig. 4.

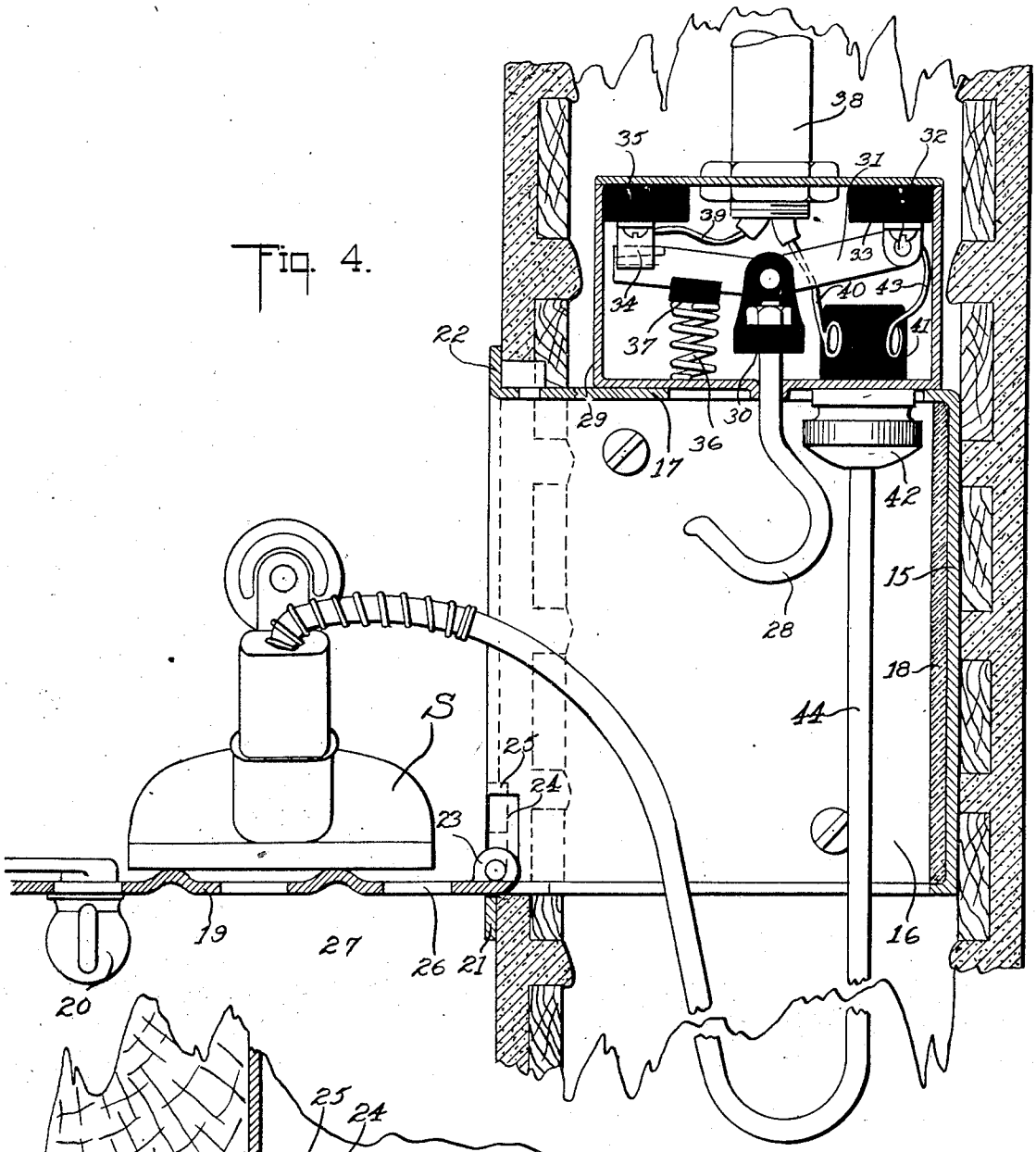
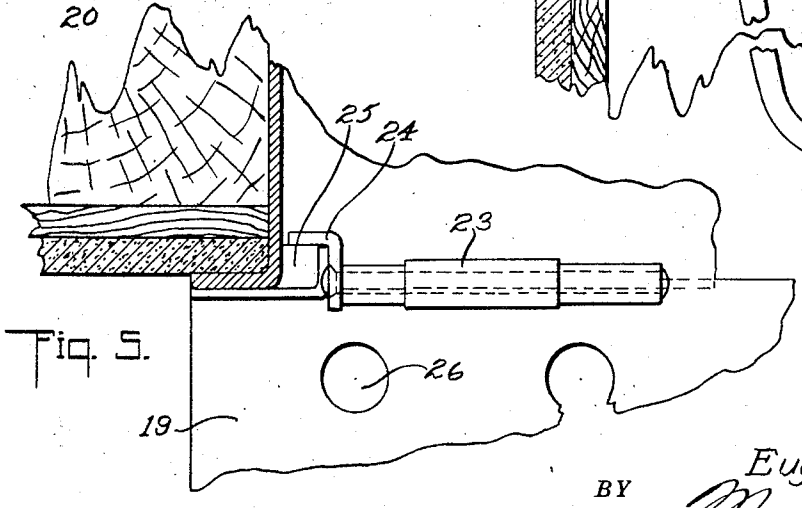


Fig. 5.



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UNITED STATES PATENT OFFICE.

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SADIRON RECEPTACLE.

Application filed May 25, 1927. Serial No. 194,139.

My invention relates to and has for its purpose the provision of a fireproof receptacle adapted to be built in the wall of a room to provide a housing in which a sad iron can be stored when not in use and even when heated, so as to be completely concealed and yet readily accessible for use when desired.

It is also a purpose of my invention to provide a receptacle for electrically heated sad irons embodying a switch upon which the iron is suspended within the receptacle, the switch being urged to closed position but movable to open position under the weight of the iron, when the latter is suspended thereon, wherefore when the iron is removed from the switch it will close automatically and supply current to the iron for heating.

I will describe only one form of sad iron receptacle embodying my invention and will then point out the novel features thereof in claims.

In the accompanying drawings,

Figure 1 is a view showing in front elevation one form of sad iron receptacle embodying my invention in applied position within a wall and containing a sad iron;

Figure 2 is a view similar to Figure 1, but enlarged, the door of the receptacle being in open position and a portion of the receptacle shown in vertical section;

Figure 3 is a vertical sectional view taken on the line 3—3 of Figure 1;

Figure 4 is a view similar to Figure 3, but enlarged and showing the sad iron removed from the receptacle and supported on the door;

Figure 5 is a fragmentary sectional view taken on the line 5—5 of Figure 2.

Referring specifically to the drawings, my invention, in its present embodiment, comprises a receptacle formed of metal or other suitable material and including a back 15, sides 16 and a top 17, the back 15 being alined with a sheet of asbestos 18 or other suitable fireproof material, in order that when it is in applied position within a wall the heat from the sad iron will not be transmitted to the adjacent laths and possibly ignite the latter. The bottom of the receptacle is open, and likewise the front, a door 19 being provided to close the receptacle after the sad iron has been placed therein. The conventional form of latch 20 is provided on the door to engage within a keeper formed in the top wall 17. The end walls 16 are connected by a metal strap 21 which co-acts with flanges 22 on the forward edges of the top and end walls of the receptacle to give the desired finish to the outside of the receptacle and to form an abutment for the door 19. The door is supported for movement to open or closed position by means of hinges 23 on the lower edge thereof and on the strap 21, co-acting lugs 24 and 25 on the door and receptacle, respectively, limiting the opening movement of the door to the horizontal position shown in Figure 4. To provide proper ventilation for the receptacle, the door is formed with perforations 26, and it is bent to provide beads 27 upon which a sad iron is adapted to be supported, as illustrated in Figure 4.

My receptacle is adapted for the housing of an electrically heated sad iron designated at S, and to support the iron within the receptacle a pair of hangers 28 are provided, which are of hooked shape to receive the handle of the iron and to support the latter in horizontal position within the receptacle, as illustrated in Figure 2. The hangers 28 are movable through the top of the receptacle and through the bottom wall of an outlet box 29 superimposed on the receptacle. These hangers are rigidly connected to a cross bar 30 of insulating material, and the latter, in turn, is connected to the movable contact arm 31 of an electrical switch. The arm is pivoted at the point indicated at 32 on a block of insulating material 33, its free end being adapted to engage between a pair of blades of a stationary contact 34 likewise secured to a block of insulating material 35. A spring 36 is associated with the contact arm 31 so as to normally urge the latter upwardly into engagement with the stationary contact 34, the spring being insulated from the contact arm by means of a block of insulation material 37. Extending from a conduit 38 connected to the top of the outlet box 29 are a pair of conductors 39 and 40. The conductor 39 is connected to the stationary contact 34, while the conductor 40 is connected to a socket 41 secured within the outlet box and accessible from the bottom of the latter to permit the insertion therein of a conventional plug 42. A conductor 43 connects the socket 41 with the pivoted end of the contact arm 31. The plug 42 is secured on the ends of a pair of flexible conductors constituting an electrical cord 44 which extends to the iron S.

From the foregoing description, it will be clear that when the contact arm 31 is in closed position, to which position it is normally

urged by means of the spring 36, current will be supplied to the heating unit of the sad iron S to heat the latter. When the iron is placed upon the hangers 28, the weight thereof will cause the hangers to be moved downwardly to the position shown in Figure 3, whereby the contact arm 31 is swung downwardly against the tension of the spring 36 to disengage the contact 34 and thus open the switch and discontinue the supply of current to the sad iron.

In practice, the receptacle is adapted to be built in the wall of a room during erection of the latter, one partition of the wall, as illustrated in Figures 3 and 4, being formed with an opening to accommodate the receptacle so that the latter may be positioned between any two vertical studding of the wall. With the receptacle applied in this manner, the door 19 will lie substantially flush with the outer surface of the wall when in closed position, thus completely concealing the iron within the receptacle. As the bottom of the receptacle is open, it will permit the cord 44 to be trained downwardly between the partitions of the wall while when the iron is removed from the receptacle for use in ironing the cord will be free for withdrawal from the receptacle. When the iron is withdrawn from the receptacle but not in actual use it may repose upon the door as illustrated in Figure 4.

Although I have herein shown and described only one form of sad iron receptacle embodying my invention, it is to be understood that various changes and modifications may be made therein without departing from the spirit of the invention and the spirit and scope of the appended claims.

I claim as my invention:

1. In combination, a receptacle adapted to be built or inserted in a wall and having an entrance through which an electrical sad iron is adapted to be inserted into or removed from the receptacle, a switch for controlling the supply of current to the sad iron, and means correlated with the switch to support the sad iron within the receptacle and to move the switch to open position under the weight of the sad iron.

2. A combination as embodied in claim 1 wherein the switch is yieldably urged to closed position, so that when the sad iron is removed from said means the switch will close.

3. In combination, a receptacle for an electrically heated element, a switch yieldably urged to closed position for supplying current to said element, operating means for opening the switch within the receptacle and for suspending the said element within the receptacle so as to utilize the weight of the latter in moving the switch to open position.

4. In combination, a receptacle for a sad iron, a switch at the top of the receptacle for supplying current to the sad iron, means for yieldably urging the switch to closed position, means depending from the switch and constituting hangers upon which the sad iron is adapted to be supported and to utilize the weight of the iron in moving the switch to open position.

5. A combination as embodied in claim 4 wherein the bottom of the receptacle is open to compel the sad iron to be placed on the hangers to support the sad iron within the receptacle.

6. A combination as embodied in claim 4 wherein the receptacle is provided with a door which in horizontal position forms a support for the sad iron.

7. In combination, a receptacle for a sad iron, a switch comprising a stationary contact and a movable contact arm yieldably urged into engagement with the stationary contact, means including a flexible member by which the switch is adapted for electrical connection to a sad iron, at least two hanger members connected to but insulated from the contact arm projecting into the receptacle and upon which the sad iron is adapted to be supported so that the weight of the iron actuates the hanger members to move the contact arm out of engagement with the stationary contact to disrupt the supply of current to the sad iron.

8. A combination as embodied in claim 7 wherein the bottom of the receptacle is open to allow the flexible member to be extended downward therethrough.

EUGENE E. GLASS.