

July 12, 1927.

F. BERTRAM

1,635,573

METAL SCREEN FOR FIREPLACES

Filed Oct. 13, 1926

Fig. 1

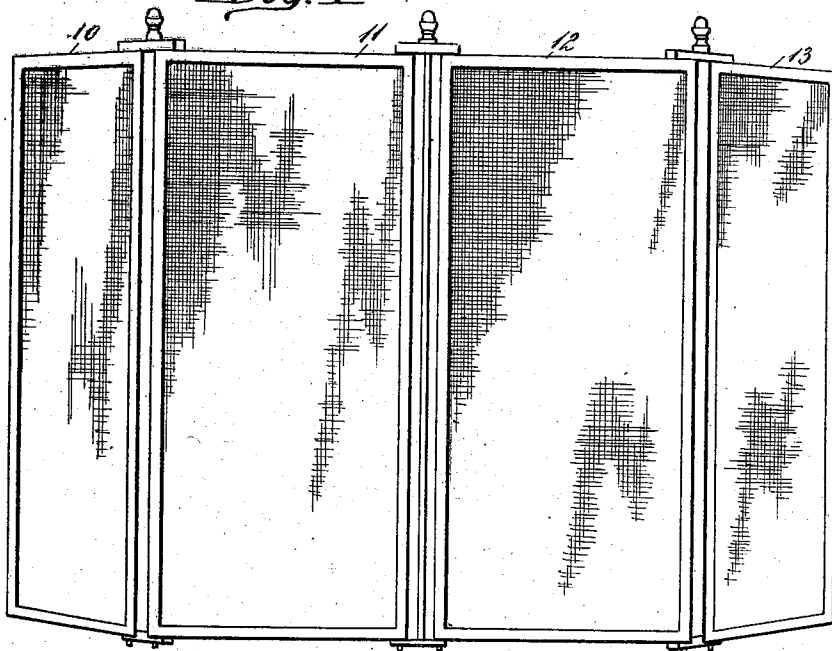


Fig. 2

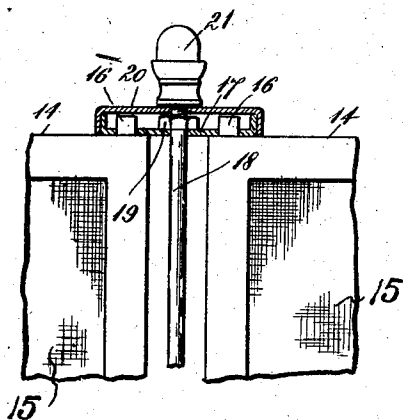


Fig. 3

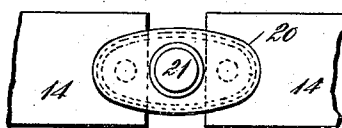
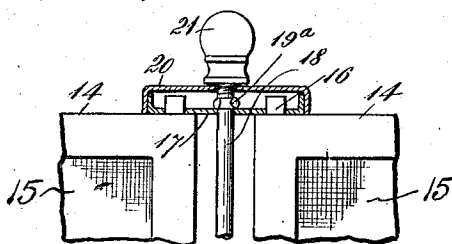


Fig. 4



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Att'y.

Patented July 12, 1927.

1,635,573

UNITED STATES PATENT OFFICE.

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METAL SCREEN FOR FIREPLACES.

Application filed October 13, 1926. Serial No. 141,389.

This invention relates to metal screens for fireplace and like uses wherein the screen is composed of a plurality of screen units pivotally connected to another for adjustment around the front of a fire-place. The invention has to do more particularly with the pivot or hinge connection between the several screen units, and has as its principal object the provision of means for completely housing and covering the pivotal elements in a way such that the pivot connections present a finished, attractive appearance that harmonizes with the rest of the screen structure. The foregoing and other objects and advantages of the invention will more fully appear from the following detailed description taken in connection with the accompanying drawings, and the distinctive features of novelty will be pointed out in the appended claims.

Referring to the drawings:

Fig. 1 is an elevation of a fire-place screen equipped with the invention.

Fig. 2 is a partial elevation of the pivot connections shown in Fig. 1 with portions in vertical section and on a relatively enlarged scale illustrating the pivot connection, and the means for housing and enclosing the same.

Fig. 3 is a partial plan view of the screen portions and pivot connection of Fig. 2;

Fig. 4 is a partial elevation with a portion in section, similar to Fig. 2, but showing a slightly modified form; and

Fig. 5 is an enlarged sectional detail of a cover plate constituting a feature of the invention.

The screen selected for illustrative purposes is shown as composed of four units 10, 11, 12, 13, each composed as usual of a metallic frame 14 bearing the screen mesh 15.

Each of these frames is provided at the corners thereof with usual pivot studs 16. These studs are engaged by flanged connecting plates 17 which are apertured to fit the same, and each pair of these connecting plates at the top and bottom of the screen is connected and held assembled with the screen by tie rods 18, the end portion of which may be threaded and equipped with nuts 19 adapted to be adjusted to press the plates 17 into engagement with the frames. In accordance with my invention flanged cover plates 20 are provided, adapt-

ed to fit down over the connecting plates 17, so as to cover and enclose the same and the studs 16 which project up through the connecting plates 17. Ornamental caps 21 may be screwed on to the threaded extremity of the rods 18 which project through the cover plates 20, these caps serving to hold the cover plates 20 against displacement.

The cover plates 20 preferably have small ribs or projections 20^a struck up therefrom at the locality of the hole through which the rod 18 passes so as to effect a more secure engagement of the caps 21 therewith.

In Fig. 4, I show a slightly modified form of the invention wherein the tie rods 18 have lips or small projections 19^a struck out therefrom to hold the connecting plates 17 in place, this form being otherwise similar to that already described. In this, as well as other details of construction, the present showing is merely illustrative and capable of being varied without departing from the spirit or essential attributes of the invention. I, therefore, refer to the appended claims rather than to the foregoing description to indicate the scope of the invention.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A fire-place screen, composed of a plurality of screen units each equipped with pivot studs adjacent its corners, connector members fitted over said pivot studs and having tie rods holding said members assembled with said studs, flanged cover plates at the top of the screen units fitted over said connector members and said studs to completely house and enclose the same, and caps secured to projecting ends of said tie rods and engaged with said cover plates to hold them against displacement.

2. A fire-place screen comprising a plurality of screen units, each bearing pivot studs adjacent the corners thereof, connector plates fitted over said studs and having tie rods engaged to hold them against displacement, and cover plates at the top of the screen units fitted over said connector plates to completely house and inclose said plates and said pivot studs.

In testimony whereof I affix my signature.

FRANK BERTRAM.