F. G. MARBACH.

REGISTER CASE.

APPLICATION FILED SEPT. 3, 1914.

1,168,408. Patented Jan. 18, 1916.

Fig. 1.

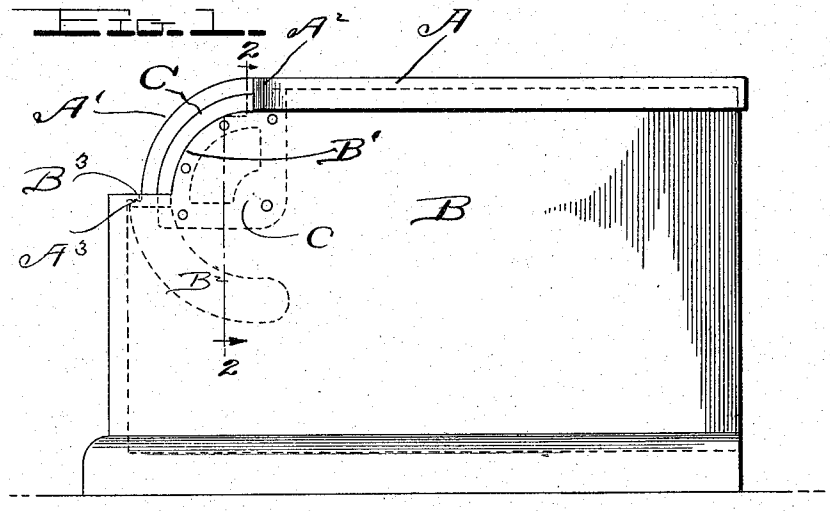


Fig. 2.

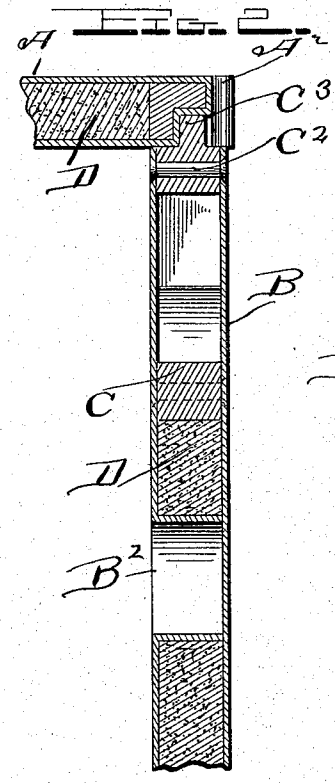


Fig. 3.

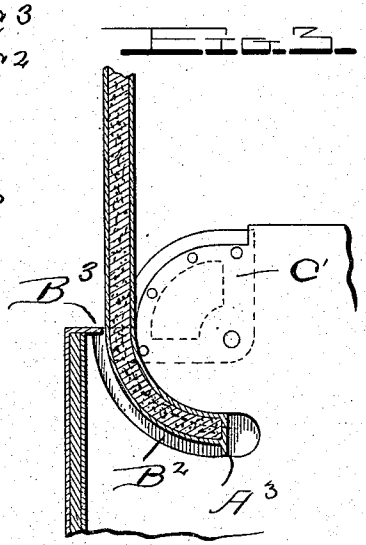
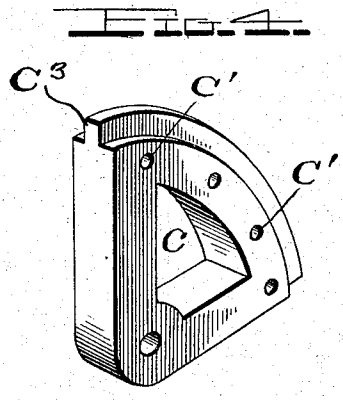


Fig. 4.



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REGISTER-CASE.

1,168,408. Specification of Letters Patent. Patented Jan. 18, 1916.

Application filed September 3, 1914. Serial No. 860,040.

To all whom it may concern:

Be it known that I, FRANK G. MARBACH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Register-Cases, of which the following is a specification.

This invention relates generally to register cases and more particularly to a novel construction of sheet metal case adapted to receive and contain an account register.

It will be understood that it is desirable to have a register case fire-proof and this fire-proof case should be as light as possible and with this object in view these register cases have been made from sheet metal filled with asbestos.

It is of course necessary to have a case which opens up both at the top and the front and some difficulties have been encountered in the connection between the hinged cover and the case, and my present invention relates more particularly to this portion of the case, the object being to provide an exceedingly cheap, simple, durable and efficient means of accomplishing this pivotal connection and the invention consists therefore in certain details of construction and novelties of combination hereinafter fully described and pointed out in the claim.

In the drawings forming a part of this specification: Figure 1 is a side view of a register case embodying my invention. Fig. 2 is a detail sectional view on the line 2—2 looking in the direction of the arrow. Fig. 3 is a detail view showing the position of the parts when the top or cover is raised. Fig. 4 is a detail perspective view of the cast-metal filling block.

Referring to the drawings, A indicates the top or cover, B the side of the case and C the cast-metal filling block. The top and sides are made of sheet metal spaced apart and filled with asbestos or other fire-proof packing D. The top and sides are shouldered where they meet in order to provide a tight joint. The rear end of the cover A is curved as shown at A′ and the rear upper end of each side is correspondingly curved as shown at B′. When the sides were made entirely of sheet metal considerable difficulty was encountered in properly shaping up this rounded end B′ and furthermore as the curved end A′ of the top was and still is made slightly narrower than the straight portion thereof so that the said curved end can be turned down in between the sides of the case, great difficulty was always encountered in making this rounded end entirely out of sheet metal; that is, when the inner and outer sheets were brazed together it was a very tedious job and required smoothing and filing after the brazing operations were completed and all of these operations consumed a great deal of time and were consequently very expensive. In order therefore to make a smooth, finished turned shoulder at the rear corner of the side, I place a cast metal filling block C between the sheets of metal forming the sides and connect the said sheet metal plates thereto by spot-welding.

If desired the cast-metal filling block may be provided with openings C′ in which steel pins C^2 are placed and to which the metal plates are spot-welded, this location of the steel pins facilitating the operation. This block C is shouldered as shown at C^3 to correspond to the shouldering of the top or cover and this shouldered edge is struck upon the arc of a circle which corresponds with the arc of the curved end A′. This cast-metal filling block besides serving the purpose of producing a smooth-finished curved shoulder also provides a suitable support for the attachment of the pivot arms carrying the top or cover, these pivot arms being omitted from the drawing for the purpose of clearness of illustration.

As already stated the curved end A′ is narrower than the flat portion of the cover and the thickness of the filling block is such as to compensate for this, the side flange of the cover being bent inwardly as shown at A^2 at the juncture of the straight and curved portions. The extreme end of the curved portion A has a rearwardly projecting lip A^3 which is adapted to co-act with a forwardly projecting lip B^3 arranged upon the back of the case and which completely closes the joint at the rear and cuts off all possibility of the entrance of fire at that point, when the cover is closed.

When the cover is raised as shown in Fig. 3 the curved end passes down into the case, the inner plates of the sides being slotted as shown at B^2 to accommodate the same.

It will thus be seen that I provide an exceedingly cheap, simple and efficient means

for providing the rounded and shouldered corner of the case and simultaneously provide means for the attachment of the pivot arms and also produce a joint which is as near fire-proof as it is possible to make.

What I claim is:—

A register case composed of sheet metal packed sheet asbestos, said case comprising a body portion and top portion, the meeting edges of said parts being shouldered, the rear end of said top or cover being slightly reduced in width and curved upon the arc of a circle, said curved end terminating in a rearwardly projecting lip, cast metal filling blocks spot-welded in the upper rear corners of the sides of the body portion, said upper rear corners being cut-away upon the arc of a circle, the outer edge of said cast metal filling block being correspondingly curved and shouldered to correspond with the shoulder of the top and body portion, said curved end of cover being adapted to pass into the body portion at the rear end, the rear wall of said body portion having a forwardly projecting lip at its upper end, the inner plates of the sides being slotted in the arc of a circle to receive the curved end of the top or cover, substantially as set forth.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."