Nov. 21, 1939. C. RUBILINO 2,180,997

RECORD BOOK

Filed March 16, 1939

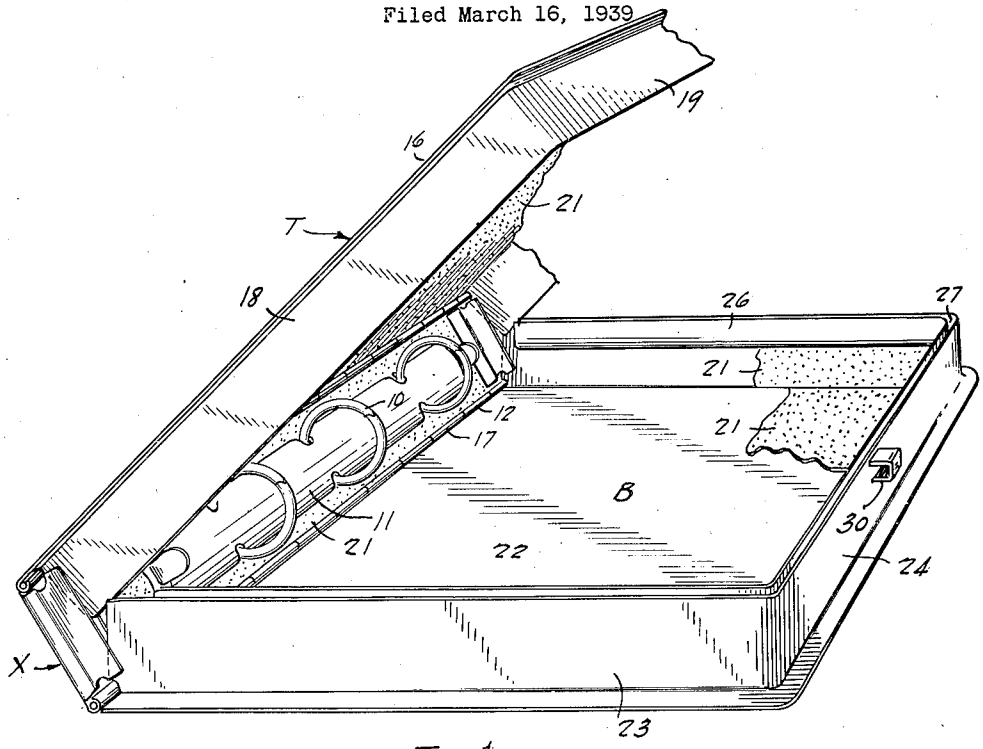


FIG. 1

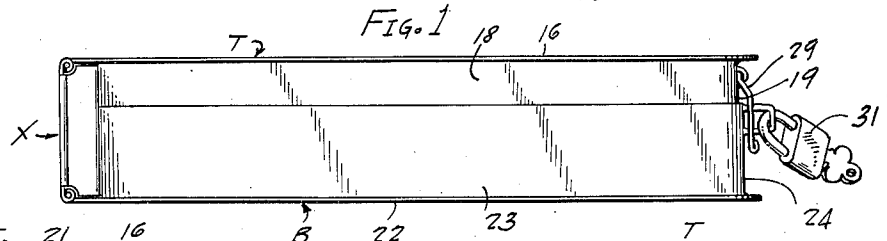


FIG. 2

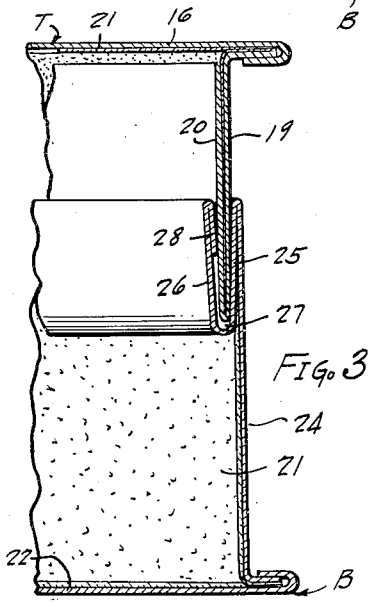


FIG. 3

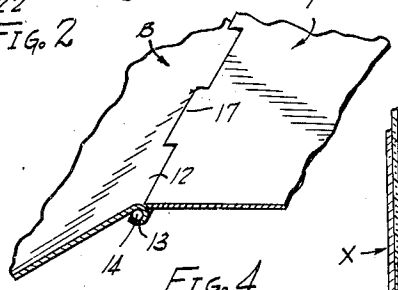


FIG. 4

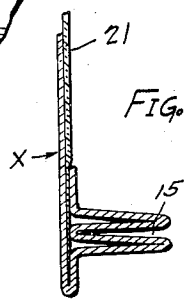


FIG. 5

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RECORD BOOK

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10 Claims. (Cl. 109—65)

This invention relates to record books and is concerned primarily with the casing structure of a book which is designed to render the same fireproof and waterproof.

At the present time books that are employed for the purpose of keeping records in business organizations, and similar places, are subject to being destroyed in a fire, either by actual inflammation, heat of the fire, or from the effects of water employed for purposes of putting out the fire, and in view of this likelihood it has been the practice to store the more important record books in fireproof places such as safes.

However, such practice is not entirely satisfactory in view of the large amount of work involved in placing and removing the books in the safe every evening and morning, and also in view of space limitations.

With the foregoing conditions in mind this invention has in view, as its foremost objective, the provision of a record book including a casing which in itself is substantially fully fireproof and waterproof. In attaining this objective the invention contemplates the use of a casing structure for a book which is made from sheet metal, and hence not inflammable. In order to render the contents of the casing resistant to effects of heat, this metallic casing is preferably lined with a heat insulating material.

A particular object of the invention is the provision of a record book of the character above noted including a top part and a bottom part, and a back which is hinged to each of the top and bottom parts, respectively. The top and bottom parts carry side and front walls which interlock, while the back part carries structure interlocking with the ends of the side walls.

A particular feature of the invention is the particular type of structure providing the above noted interlock, as the interlock is included for the purpose of excluding water from the interior of the casing.

Various other more detailed objects and advantages of the invention will in part become apparent, and in part be hereinafter stated, as the description of the invention proceeds.

The invention, therefore, comprises a fire and waterproof record book consisting of an outer casing made from sheet metal and lined with asbestos. The casing includes a bottom part, a top part, and a back part, which are hinged together in the usual manner. The top part carries side and front walls which interlock with corresponding side and front walls on the bottom part. The back carries parts that interlock with the ends of the said side walls.

For a full and more complete understanding of the invention reference may be had to the following description and accompanying drawing, wherein

Figure 1 is a perspective view of a record book casing made in accordance with the precepts of this invention,

Figure 2 is a side view showing the casing in closed position,

Figure 3 is an enlarged detailed section bringing out the interlock between the top and bottom parts,

Figure 4 is an enlarged detailed view of a portion of the hinge structure, and

Figure 5 is an enlarged detailed sectional view of one end of the back part.

Referring now to the drawing, wherein like reference characters denote corresponding parts, the record book of this invention is shown as comprising a bottom part referred to in its entirety by the reference character B, a top part referred to in its entirety by the reference character T, and a backing designated X.

In the illustrated embodiment, the book is shown as being one of the loose-leaf type, although it is to be clearly understood that this is to be no limitation on the invention. When the book is of the loose-leaf type, the backing carries the leaf retaining rings 10 that are mounted as a unit on the spring element 11. These rings 10 may be opened or closed as a unit to facilitate the assembly or removal of loose leaves. If the record book is of a permanent type the same may be merely housed by the casing structure of this invention, or the back binding of the book may be permanently secured to the backing X.

The backing X at the top and bottom is formed with curled-over tongues 12, which define a passageway 13 for the reception of a hinge pintle 14. At each end the backing X preferably is of the construction shown in Figure 5, with the metal of the backing turned over to form a flange structure that defines a groove designated 15. The purpose of this groove is to receive the free ends of the side walls of the top T and bottom B, as will be later described.

The backing X may be made from any appropriate sheet metal, such as sheet steel, and may be formed into the required shape by metal stamping operations. Inasmuch as the backing X is not of great area, it is hardly necessary to line the same with asbestos, although this may be done if the book is of large size.

The top T includes a flat top wall 16, one edge of which is formed with turned-over tongues 17 which define openings aligning with the openings 13 and through which passes the hinge pintle 14. The top T has downwardly extending side walls 18, and a front wall 19. The lower edges of each of the walls 18 and 19 may be turned back on themselves to provide a double wall of metal, as shown at 20 in Figure 3. The inner side of the top wall 16 and each of the side walls 18 and 19 carries a lining of a heat insulated material, preferably asbestos. This lining is designated 21 and on the side walls 18 and 19 is interposed between the wall proper and the turned back portion 20. It is important to note that the lining 21 of the side wall 18 and front wall 19 extends substantially to the bottom thereof, leaving a turned over edge structure which may interlock with the bottom, as will be later pointed out.

It will be noted that when the book is in a closed position the rear or free edges of the side walls 18 are received in the grooves 15 of the backing X.

The bottom B comprises a flat bottom wall 22, the inner edge of which is of a curled-over tongue formation providing the passage for receiving a hinge pintle which connects the same to the backing X. The bottom B carries side walls 23 and a front wall 24. The metal of the side walls 23 and 24 is folded back on itself, as shown at 25, and then upwardly, as shown at 26, defining U-shaped grooves or recesses 27 which receive the lower edges of the walls 18 and 19 of the top T. The upper edge of the wall 26 may be turned back on itself, as shown at 28, to aid in guiding the lower edges of the walls 18 and 19 into the groove 27.

The bottom wall 27 of the bottom B is preferably lined with asbestos, as are the side walls 23 and front wall 25 up to the flange structure providing the groove 27. It will be noted that the flange structure 25 and 26 on the side walls does not extend completely back to the free edge of the wall (see Figure 1), this to permit of the reception of the free edge of the wall in the grooves 15 when the book is closed.

As clearly brought out in Figure 2, a hasp 29 is pivotally carried by the front wall 19 of the top T, while a staple 30 which cooperates with the hasp 29 is carried by the front wall 24 of the bottom B. A padlock shown at 31 may be inserted in this staple to lock the box in a closed position in a well-known manner.

While a preferred specific embodiment of the invention is hereinbefore set forth it is to be clearly understood that the invention is not to be limited to the exact construction illustrated and described, because various modifications of these details may be provided in putting the invention into practice within the purview of the appended claims.

I claim:

1. A record book casing of the character described comprising a top carrying side and front walls, a back hingedly connected to the top, a bottom hingedly connected to said back, said bottom carrying side and front walls, the side walls of said top and bottom having free edges adjacent to said back, and interlocking means carried by said back engaging both faces of the free edges of said sides to effect a seal against water.

2. A record book casing of the character described comprising a sheet metal top, said top consisting of a flat top wall, side walls, and a front wall, all of said walls being lined with a heat insulating material, a back hingedly connected to said top, a bottom consisting of a bottom wall, side walls, and a front wall, said bottom being hingedly connected to said back, the several walls of said bottom being lined with a heat insulating material, and means for providing an interfit between the lower edges of the side and front walls of the top and the top edges of the corresponding walls of the bottom.

3. A record book casing of the character described comprising a sheet metal top, said top consisting of a flat top wall, side walls, and a front wall, all of said walls being lined with a heat insulating material, a back hingedly connected to said top, a bottom consisting of a bottom wall, side walls, and a front wall, said bottom being hingedly connected to said back, the several walls of said bottom being lined with a heat insulating material, and flange structure carried at the upper edges of the side and front walls of the bottom defining a groove for receiving the lower edges of the side and front walls of the top.

4. A record book casing of the character described comprising a sheet metal top, said top consisting of a flat top wall, side walls, and a front wall, all of said walls being lined with a heat insulating material, a back hingedly connected to said top, a bottom consisting of a bottom wall, side walls, and a front wall, said bottom being hingedly connected to said back, the several walls of said bottom being lined with a heat insulating material, the said side walls of said top and bottom having free edges adjacent said back, and means carried by the back for interlocking with said free edges to effect a seal against water.

5. In a record book, a metallic casing comprising a top, a back hingedly connected to the top, and a bottom, said top, back and bottom being of sheet metal and lined with a heat insulating material, interlocking structure between said top and bottom, and interlocking structure between said back and parts of said top and bottom whereby the interior of the casing is sealed against water when in a closed position, said interlocking structure comprising channel formations at each end of said back and integral therewith, each channel comprising a pair of side walls with each side wall consisting of a double thickness of the metal of the back joined by a bend, the said channels receiving the edges of said top and bottom.

6. In a record book, a metallic casing comprising a top consisting of a top wall lined on its inner face with a heat insulating material, side walls, and a front wall, said side and front walls comprising a double thickness of sheet metal with a layer of heat insulating material therebetween, a back hingedly connected to the top, and a bottom hingedly connected to said back, said bottom consisting of a bottom wall lined with heat insulating material, side and front walls, and structure carried by the upper edges of said side and front walls defining a groove for receiving the lower edges of the side and front walls of the top.

7. A record book casing of the character described comprising a top carrying side and front walls, a back hingedly connected to the top, a bottom hingedly connected to said back, said bottom carrying side and front walls, the side walls of said top and bottom having free edges adjacent to said back, and channel members carried

by said back with the channels receiving said free edges of said sides.

8. A record book casing of the character described comprising a top carrying side and front walls, a back hingedly connected to the top, a bottom hingedly connected to said back, said bottom carrying side and front walls, the side walls of said top and bottom having free edges adjacent to said back, channel structure carried by the side and front walls of said bottom for receiving the edges of the side and front walls of said top, the channel structure on said side walls terminating at points spaced from the free edges thereof, and channel members carried by said back with the channels receiving said free edges.

9. In a record book, a metallic casing comprising a top consisting of a top wall lined on its inner face with a heat insulating material, side walls, and a front wall, said side and front walls comprising a double thickness of sheet metal with a layer of heat insulating material therebetween, a back hingedly connected to the top, and a bottom hingedly connected to said back, said bottom carrying a grooved structure in which snugly interfit edges of said double thickness of sheet metal of the side and front walls of the top.

10. A record book casing comprising a top member, a back and a bottom member, said top member consisting of a top wall, side and front walls, said top wall including an outer layer of sheet metal with the edges turned back to provide flanges spaced therefrom, said side and front walls having outturned flanges at their upper edges which are received in the space between the top wall and the flanges carried thereby, a lining of asbestos engaging the inner face of said top wall, another lining of asbestos carried by said side and front walls, said side and front walls comprising a double layer of metal with the asbestos interposed therebetween, said asbestos lining of the side and front walls extending into said space between the flanges thereof and the top wall whereby the edges of said asbestos linings are clamped between the top wall and the flanges of said side and front walls.

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