July 27, 1926. 1,593,746

J. A. BOLZ

WEATHERPROOF TRUNK

Filed March 6, 1926

Fig. 1.

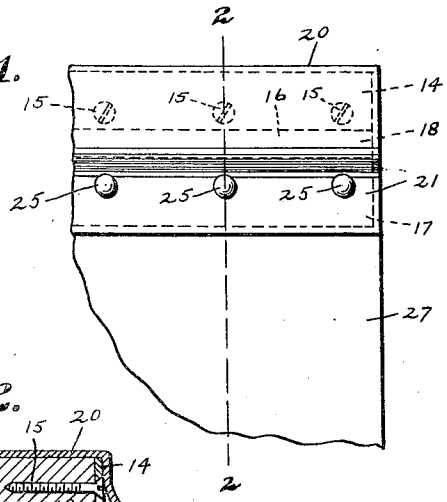


Fig. 2.

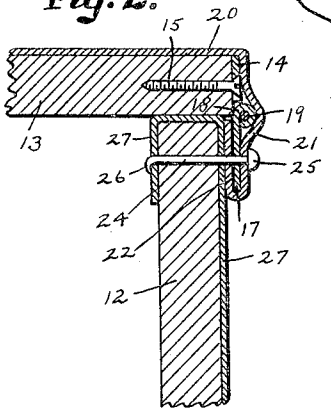


Fig. 3.

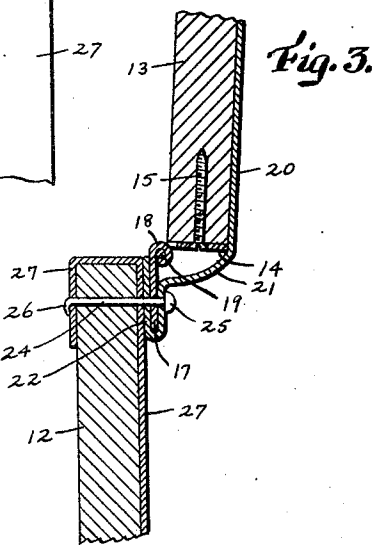
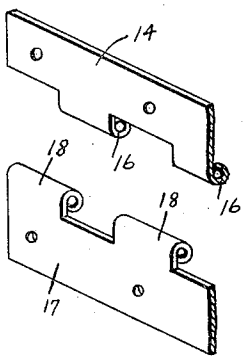


Fig. 4.



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UNITED STATES PATENT OFFICE.

JULIUS A. BOLZ, OF EVERETT, MASSACHUSETTS, ASSIGNOR TO NEW ENGLAND TRUNK CO., OF EVERETT, MASSACHUSETTS, A COPARTNERSHIP COMPOSED OF JULIUS A. BOLZ AND FRANK R. BOLZ.

WEATHERPROOF TRUNK.

Application filed March 6, 1926. Serial No. 92,707.

This invention is embodied in an improved connection between the back member of the body and the hinged lid of a trunk, and particularly a trunk formed to be carried on a motor vehicle, such trunks being usually exposed to the weather when in use. The connection in which the invention is embodied includes a leaf hinge connecting the back and lid members, and a covering layer of flexible waterproof sheet material fixed to the outer surface of the lid member, and provided with a flap which includes a hinge-covering portion extending across the hinge, and a packing portion interposed between a leaf of the hinge and the back member, the arrangement being such that the flap prevents access of water to the hinge and to the crevice between the inner edge of the lid and the back member, and is adapted to permit the usual opening and closing movements of the lid member.

Of the accompanying drawings forming a part of this specification,—

Figure 1 is a fragmentary rear elevation showing a portion of the back member of the trunk body, a portion of the lid, and a connection between the back member and the lid, embodying the invention, portions of said connection being shown by dotted lines, the trunk being closed.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a view similar to Figure 2, showing the trunk opened.

Figure 4 shows in perspective portions of the leaves of the hinge shown by the preceding figures.

The same reference characters indicate the same parts in all of the figures.

In the drawings, 12 designates the back member of the trunk body, and 13 the lid member.

The hinge connecting said members is composed of an upper leaf 14 secured by fastenings 15, such as screws, to the inner edge of the lid member and provided with sockets 16, a lower leaf 17 provided with sockets 18, and a pintle 19 inserted in the sockets 16 and 18 and pivotally connecting the leaves. I prefer to make each leaf in a single piece and of such length that it extends practically from end to end of the trunk, although it is obvious that each leaf and the pintle may be made in a plurality of separate sections, so that the hinge instead of extending continuously from end to end of the trunk, may be composed of a plurality of hinge sections arranged end to end. The lower leaf 17 is formed to overlap the outer surface of the back member 12. 20 designates a flexible waterproof layer composed preferably of the fabric known as glazed drill commonly used as a covering or veneer on weatherproof trunks. The layer 20 is cemented or otherwise secured to the outer surface of the lid member 13, and is provided with a flap which includes a hinge-covering portion 21 extending across the outer side of the hinge and across the lower edge of the lower leaf 17, and a packing portion 22 extending upward between the leaf 17 and the outer side of the body member 12.

In assembling the described parts, I first attach the upper leaf 14 to the lid member, and then bend the flap, so that the covering portion 21 bears on the outer side of the hinge and the packing portion 22 bears on the inner side of the lower leaf 17. I then seat the packing portion 22 on the outer side of the body member 12 and drive fasteners 24 through the flap portions 21 and 22 and the lower leaf 17, and into the back member 12. Said fasteners are preferably wire nails having heads 25 which are seated on the covering portion 21, and points 26 which are clinched on the inner side of the back member. The fasteners 24 secure the lower leaf to the back member, confine the covering portion 21 on the lower leaf, and cause said leaf to clamp the packing portion 22 against the back member. When the trunk is closed, the covering portion 21 bears on the hinge as shown by Figure 2. The covering portion 21 is free and unattached between the fastener heads 25 and the outer surface of the lid member, so that when the trunk is opened, the covering portion 21 bulges outwardly as shown by Figure 3.

It will now be seen that the described connection between the lid and back members of the trunk enables the trunk to be opened and closed, and prevents access of water to the crevice between the back and lid members when the trunk is closed.

Since my invention relates wholly to the connection between the inner edge of the

lid member 13 and the back member 12 of the trunk body, I do not show means for excluding water from the crevices between the lid member and the end and front members of the trunk body, and it is to be understood that any suitable means may be provided for this purpose.

The back member 12 may be provided with a veneer or covering layer 27 of the same material as the layer 20, the packing portion 22 being seated on the layer 27 as shown by Figures 2 and 3.

I claim:

In a weatherproof trunk which includes a back body member and a lid member; a connection between said members comprising a leaf hinge, including an upper leaf attached to the inner edge of the lid member, a lower leaf, and pintle-connected sockets on said leaves, the lower leaf overlapping the outer surface of the back member; a flexible waterproof layer fixed to the outer surface of the lid member and having a flap which includes a hinge-covering portion extending across the outer side of the hinge and across the lower edge of the lower leaf thereof, and a packing portion extending between said leaf and the outer side of the body member; and fasteners driven through the said flap portions and the lower leaf and into the back member, said fasteners securing the lower leaf to the back member, confining the covering portion of the flap on the lower leaf and causing the said leaf to clamp the packing portion against the back member, the flap being free to bulge outward between the said fasteners and the outer side of the lid member when the latter is raised.

In testimony whereof I have affixed my signature.

JULIUS A. BOLZ.