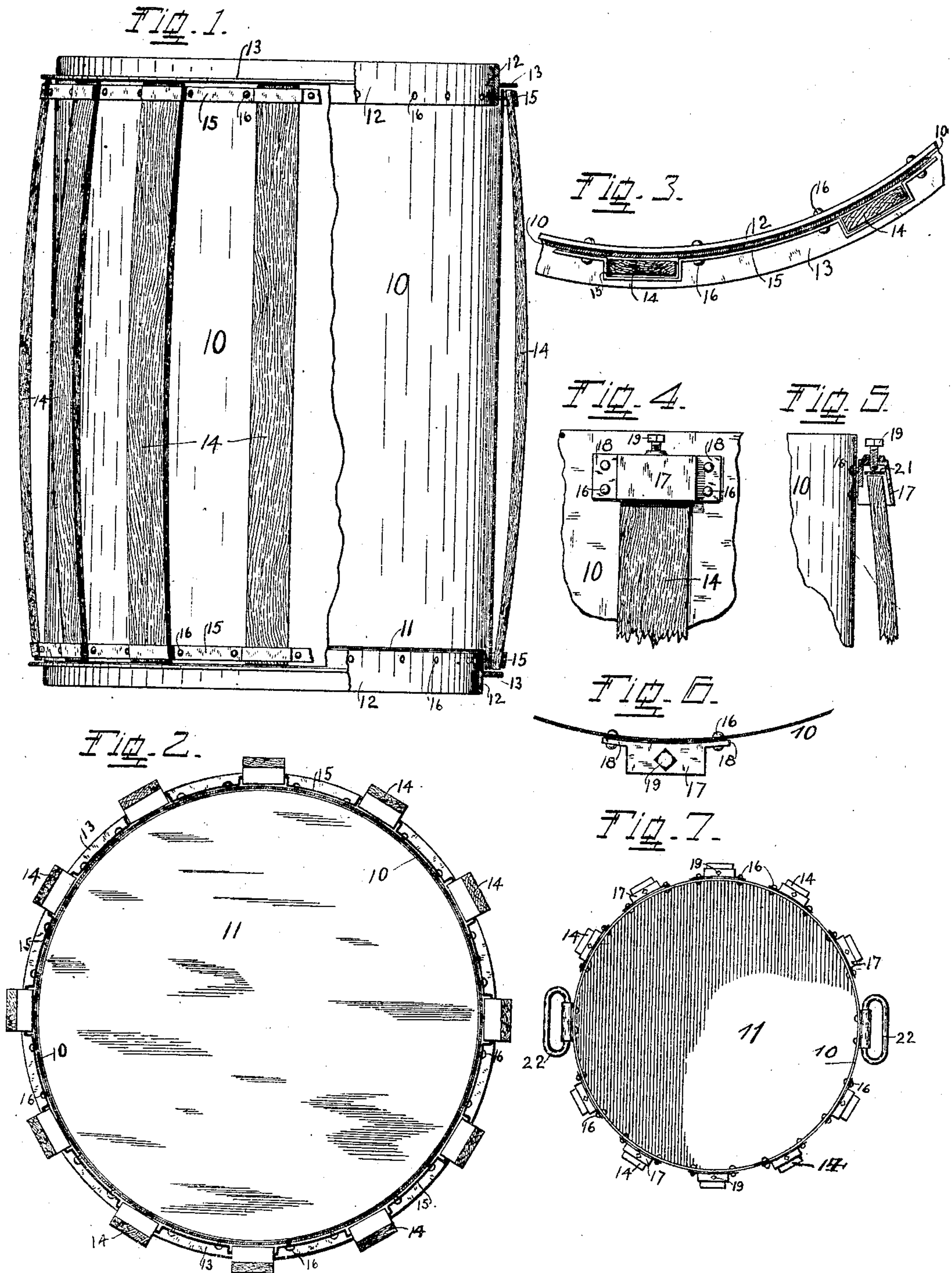


No. 827,751.

PATENTED AUG. 7, 1906.

T. REIS.  
ARMORED SHEET METAL CAN.  
APPLICATION FILED JULY 31, 1905.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

THEODOR REIS, OF CINCINNATI, OHIO.

## ARMORED SHEET-METAL CAN.

No. 827,751.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed July 31, 1905. Serial No. 271,902.

*To all whom it may concern:*

Be it known that I, THEODOR REIS, a citizen of the United States, residing at Cincinnati, Hamilton county, State of Ohio, have  
5 invented certain new and useful Improvements in Armored Sheet-Metal Cans; and I do declare the following to be a clear, full, and exact description of the invention, attention being called to the accompanying drawings, with the reference characters marked thereon, which form also a part of this specification.

This invention relates to certain means for protecting sheet-metal vessels of larger sizes—  
15 like, for instance, oil, lard, and garbage cans, &c.—which by reason of their weight are liable to lose their shape when handled—as, for instance, when coming in contact with a wagon-bed during loading or unloading, &c.

20 In my invention I use protecting-fenders in shape of staves arranged around the side of the can with spaces between them and attached at their ends to such side near bottom and top of the same, the staves between their  
25 ends being bent outwardly to leave a space between them and the side of the can, so that any impact or concussion—for instance, when a can is thrown upon its side—is received by such fenders, but not transmitted to the can-  
30 body.

My invention consists of the means and constructions whereby the ends of these fenders are attached to the side of the can.

35 In the following specification, and particularly pointed out in the claims at the end thereof, is found a full description of my invention, together with its construction, which latter is also illustrated in the accompanying drawings, in which—

40 Figure 1 shows such a can in side view with parts broken away and provided around its side with the protecting-fenders attached as contemplated by my invention. Fig. 2 is a horizontal section of Fig. 1, taken about mid-  
45 way between its top and bottom. Fig. 3 is a sectional detail view and shows, at enlarged scale, the particular manner of securing the ends of the fenders to the side of the can. Figs. 4, 5, and 6 in similar detail views show  
50 a modified construction for attaching such ends. Fig. 7 in a top view, at a smaller scale, shows manner of spacing these fenders in view of the handles of the can where such are provided.

55 My invention has in view particularly garbage-cans, which are usually handled quite

roughly, particularly when their contents are dumped upon the collecting-wagon. The particular construction of such cans has no direct bearing on my invention, except where  
60 it is such as to enable me to utilize part of the same for the purpose of attaching the ends of the fenders. These cans are of sheet metal, 10 indicating their side, and 11 their bottom, the upper end being open. Around its upper  
65 and lower edges the side is usually reinforced in a suitable way, the reinforcement at the lower edge serving also for securing the bottom. This reinforcement consists generally of a band of heavier iron, an angle-iron or a  
70 T-iron being usually resorted to.

As shown in Fig. 1, a T-iron 12 is used, the web 13 of which is turned outwardly and set against the edges of the side of the can. The edge of the bottom is turned at an angle, and  
75 such edge is also set against this web. Rivets complete the final connection. When such a projection, ridge, or web is available, I set the edges of my fenders 14 against the same, holding them in place by suitable  
80 means—as, for instance, by a band 15, which closely hugs around and over the ends of the fenders and between them is secured to the side of the can, thus forming sockets which receive the ends of the fenders. There may  
85 be a band for each end of a fender or the band may be continuous, as shown in Fig. 3. Rivets 16 are preferably used to hold this band to the can-body. Where a can is constructed as outlined, these same rivets may also  
90 serve to secure T-iron 12 to the can-body. The fenders 14 are of suitable tough wood and shaped analogous to barrel-staves—that is, between their ends they curve outwardly, as best shown in Fig. 1—thus providing a  
95 space between them and the side of the can underneath, whereby any impact or concussion coming from the outside is received by these staves and by them prevented to reach  
100 in its effect the side of the can.

In Figs. 4, 5, and 6 the formation of the sockets is entirely independent of any particular construction of the can. Caps 17, shaped to cover the ends of the fenders, are used and provided with flanges 18 for attachment to  
105 the side of the can. This attachment may be by solder or by rivets. A set-screw 19 may be seated in the end of the cap, which by means of an intervenient plate 21 is caused to exert pressure against the end of the fen-  
110 ders to cause the same to retain the proper outwardly-curved shape in case shrinkage or



other causes should change such shape. Such set-screws would be required in one of the caps at one end only of a fender. Where handles 22 are provided on the side of a can, the spacing of the fenders would be arranged with respect to the position of these handles and, as shown in Fig. 7, no fender being required at the points where the handles are, since such points are less subject to injury.

Set-screws 19 may also be used in the form of construction illustrated in Figs. 1, 2, and 3, in which case they would be seated in ridge 13 of the T-iron at one of the ends of the can.

Having described my invention, I claim as new—

1. In combination with a can, a series of spaced fenders placed around the side of the same and at their ends against such side, while between these ends they curve outwardly, and caps closed at one end and attached to the side of the can which receive the ends of the fenders to hold them in position.

2. In combination with a can, a series of spaced fenders placed around the side of the same and at their ends against such side, while between these ends they curve outwardly, caps at their ends to hold them to the side of the can and set-screws seated in the caps at one end of the fenders for the purpose described.

3. In combination with a can having on its outside projections at top and bottom, a series of spaced fenders placed between these projections and with their ends against them, these fenders being curved outwardly between their ends, means to hold these ends in position against these projections and set-screws seated in these latter and bearing against one end of each fender.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

THEODOR REIS.

Witnesses:

C. SPENGEL.

C. MEYER.