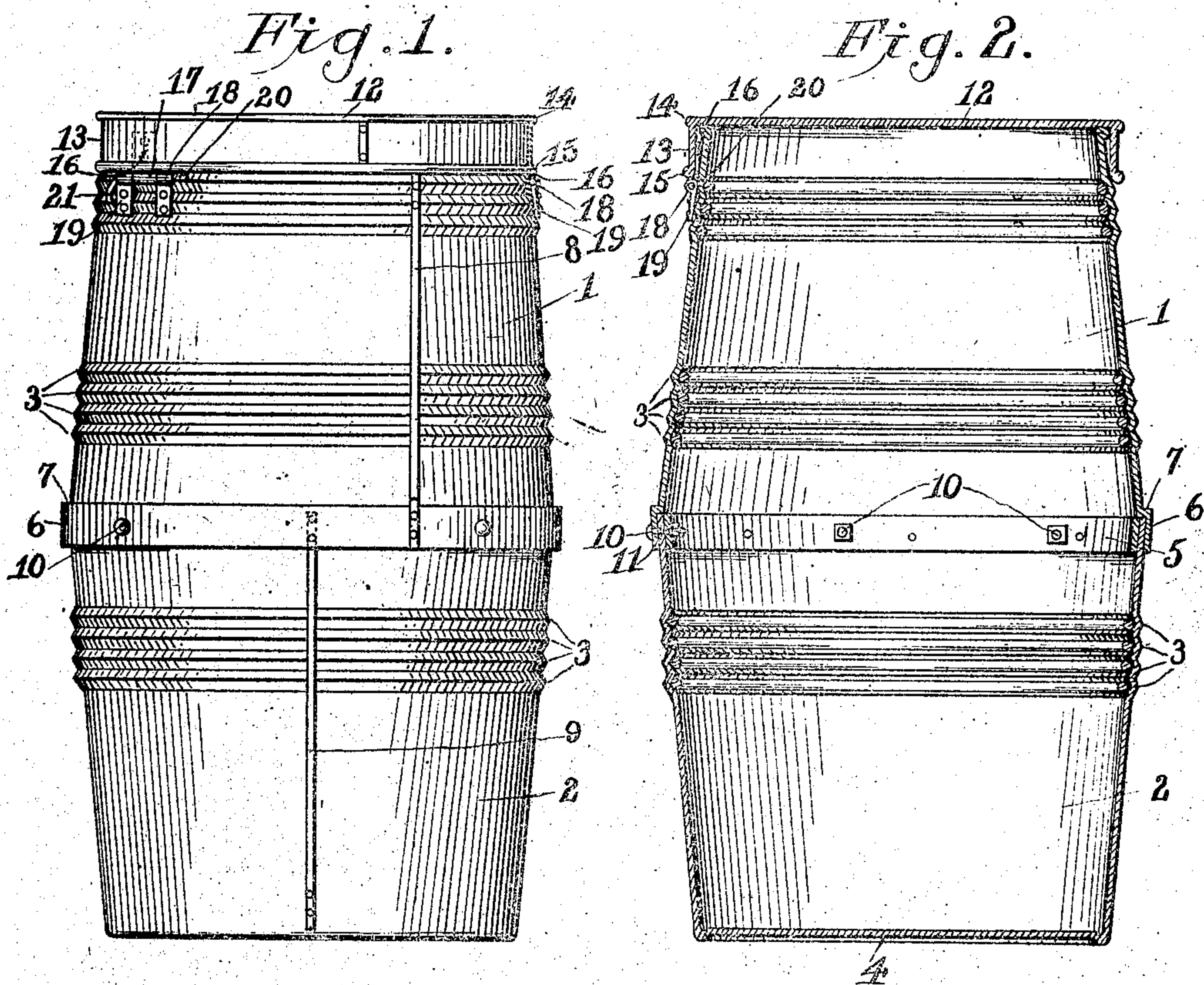


S. M. WRIGHT.  
METALLIC BARREL.  
APPLICATION FILED NOV. 30, 1907.

924,520.

Patented June 8, 1909.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

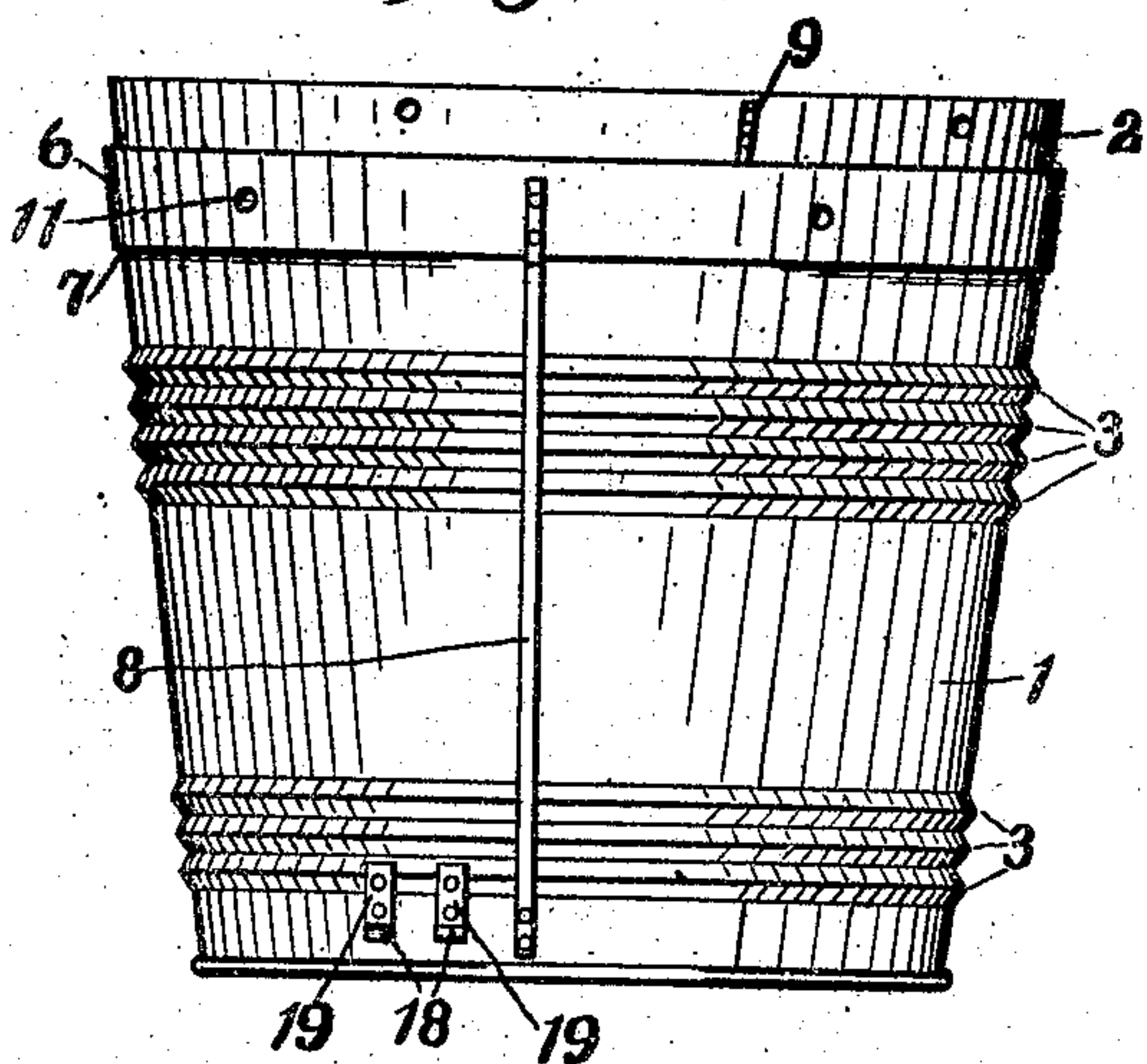


Fig. 4.

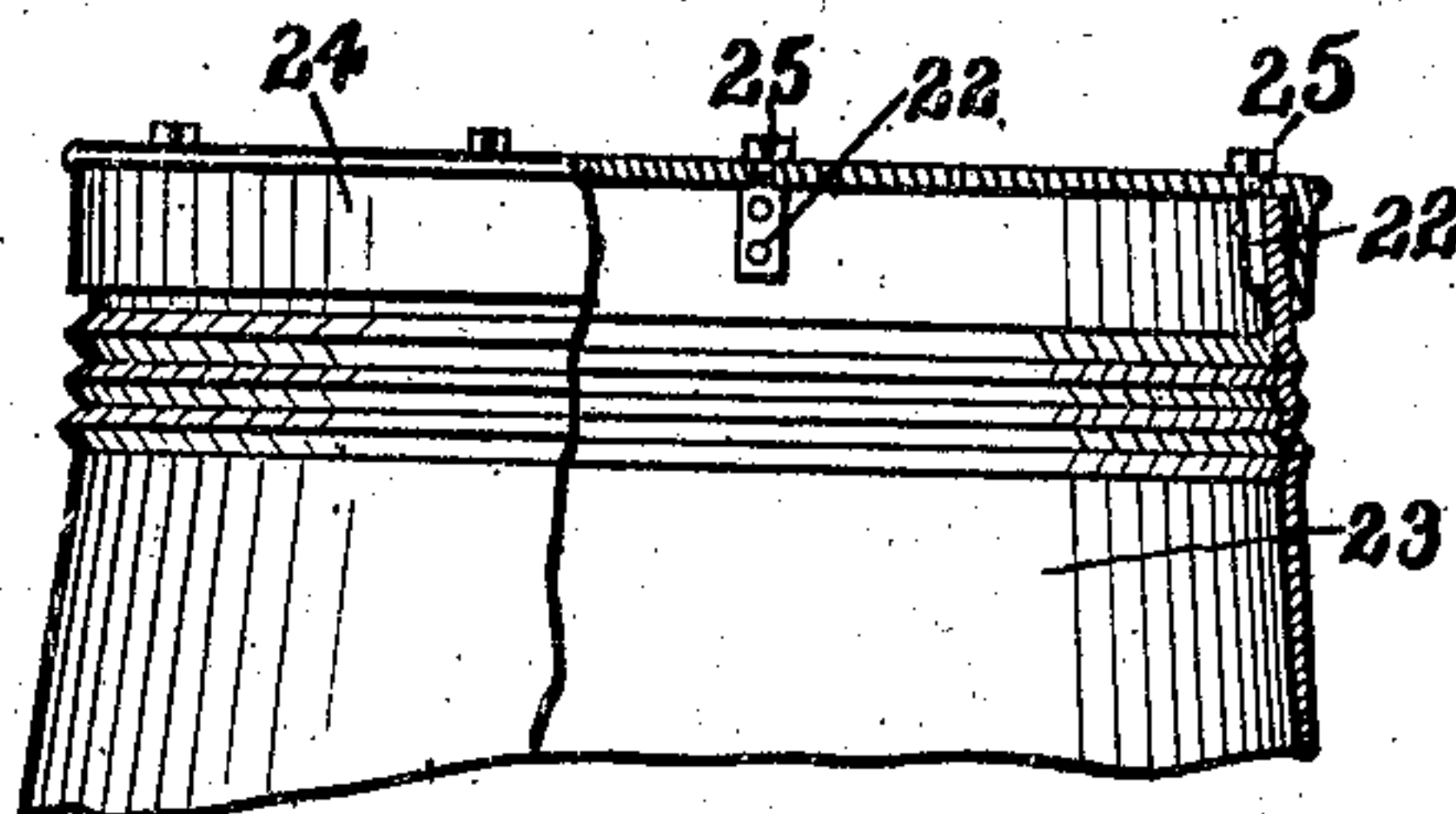


Fig. 5.

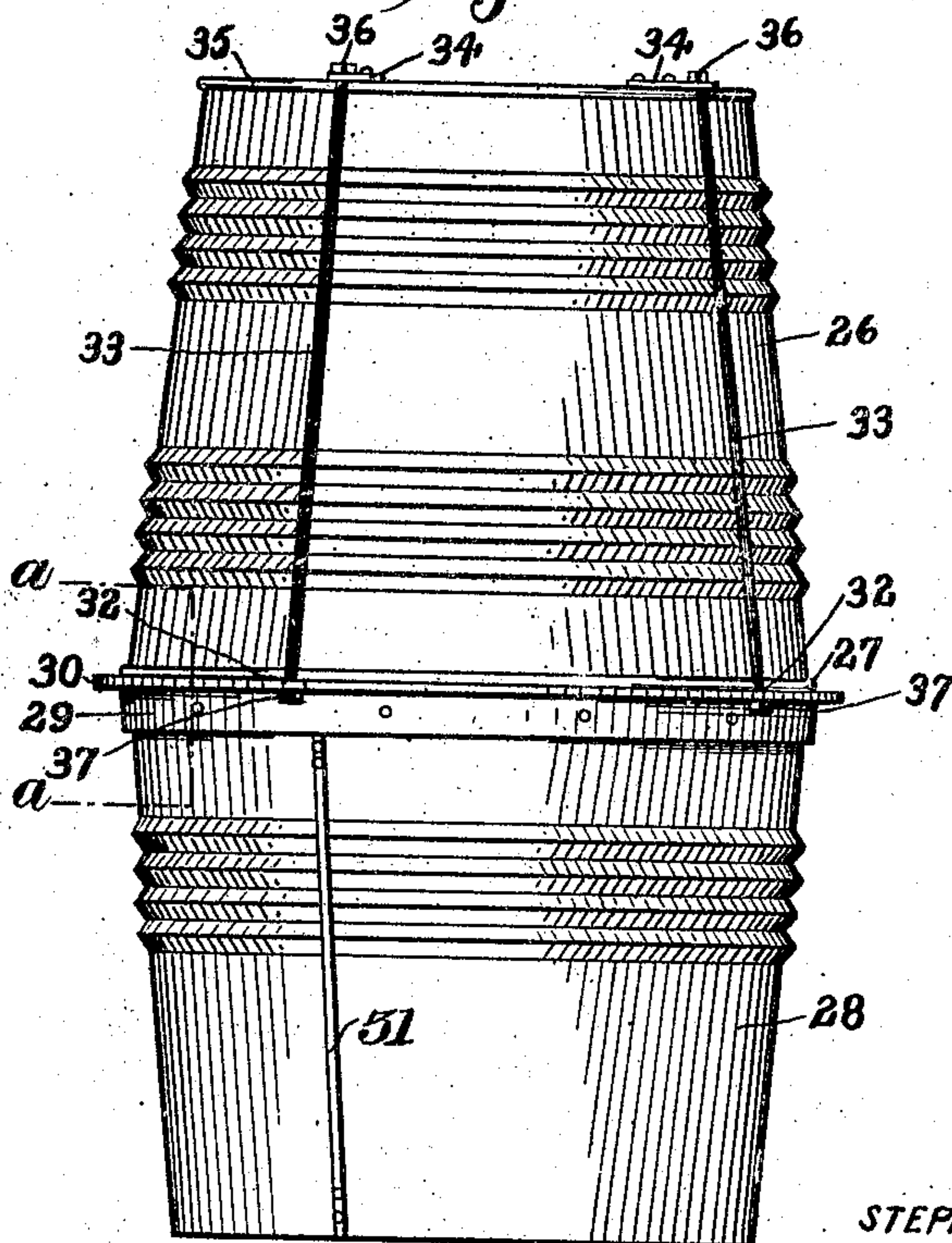
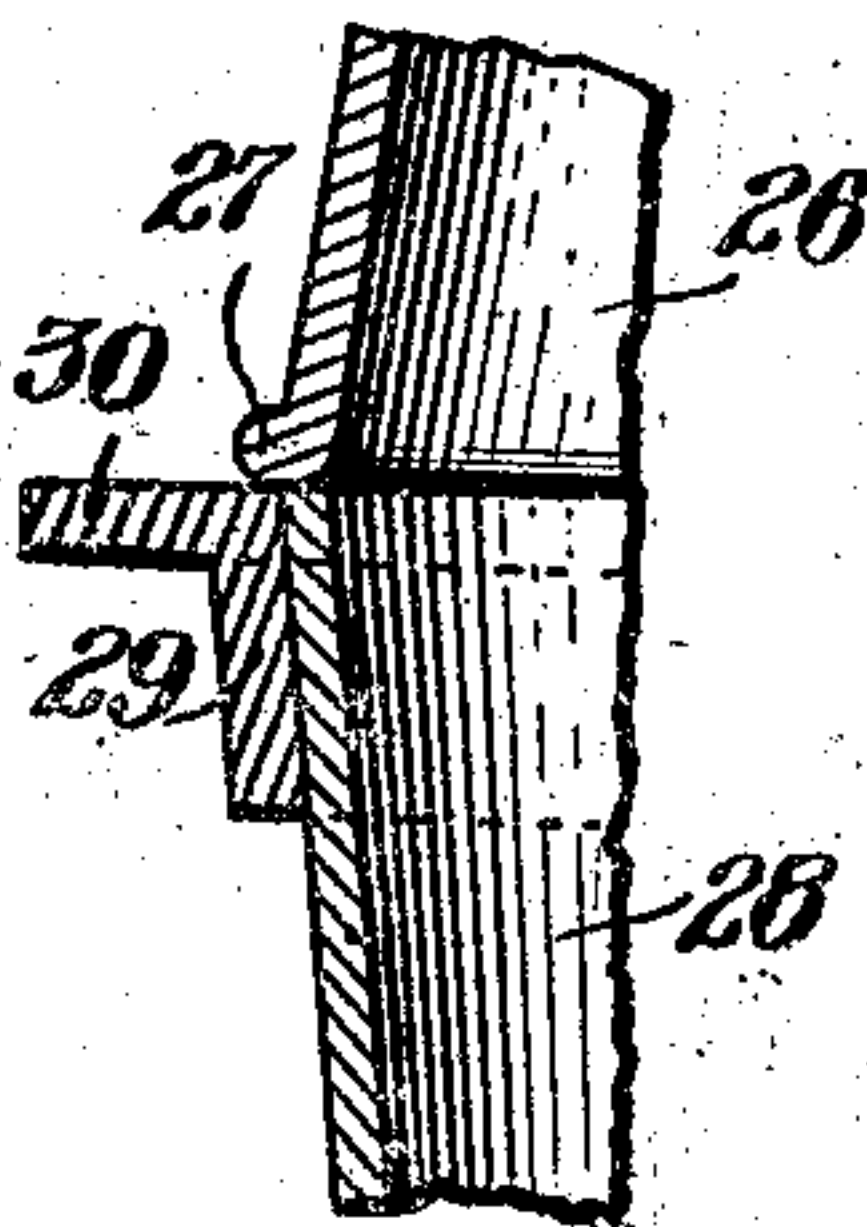


Fig. 6.



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# UNITED STATES PATENT OFFICE.

STEPHEN MARSHALL WRIGHT, OF MEMPHIS, TENNESSEE.

## METALLIC BARREL.

No. 924,520.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed November 30, 1907. Serial No. 404,539.

*To all whom it may concern:*

Be it known that I, STEPHEN MARSHALL WRIGHT, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Metallic Barrels, of which the following is a specification.

My invention relates to metallic barrels and particularly to that class of barrels adapted to contain lime, although my improved barrel is also capable of many other uses.

The objects of the invention are to provide, in a barrel of this class, sections of a three-part barrel so formed that they may be firmly secured together without offering obstruction to the rolling of the barrel, and that they may be readily nested when taken apart for shipment, to have one of said sections constitute a removable lid and means for securely fastening the same in position without obstructing the outer surface of the barrel and to provide particular strengthening means for the body of the barrel.

To these ends my invention is embodied in the form hereinafter described and claimed.

In the accompanying drawings which illustrate the invention; Figure 1 is a front view in elevation of one form of barrel; Fig. 2, a vertical section of same barrel; Fig. 3, an elevation showing sections of barrel nested; Fig. 4, a detail elevation broken away horizontally and partly in vertical section of a modified form of lid-securing means; Fig. 5, an elevation of a barrel of modified form showing distinctive means for securing the two sections together and the lid in place, and Fig. 6, a detail sectional view on line *a-a* of Fig. 5.

Referring to the drawings, and first to the barrel shown in Figs. 1, 2 and 3, 1 is the upper metallic section of a two-part barrel-body and 2 is the lower section. These sections are shaped like the frustum of a cone, and their larger ends meet at the middle of the barrel. Each section has a series of beads 3 which increase the rigidity of the barrel and in which may be inserted, if desired, spring hoops for strengthening the barrel. The bottom of the lower section 2 is countersunk as shown at 4, to raise the bottom from contact with the ground and thus protect it.

At its upper circumferential edge the

section 2 is provided with an interior band 5, of iron and therefore of greater rigidity than the sheet-metal body of the barrel and rigidly and permanently secured by rivets 60 to the barrel section as shown so as to provide a strengthened and stiffened rim for the barrel section at the latter's juncture with the upper section. This band also provides a sufficiently rigid structure to form a substantial support for the section-fastening means.

The lower section is adapted to fit within the upper section and to this end, the lower rim portion of the upper section is offset or flared, forming a vertical flange 6 and a horizontal shoulder 7. The flange 6, as shown is of the width of the interior rigid band and forms a seat therefor. A vertical permanently secured brace 8 extends from top to bottom of the upper section, strengthening the entire section and particularly the overlapping rim portion. This brace is preferably provided at the seam of the section. Similar vertical braces 9 are secured on the lower section.

When the two sections are assembled to form a complete barrel, the flared, overhanging rim of the upper section will fit over the upper, band-protected rim of the lower section 2, and the shoulder 7, will fit upon the upper edge of the lower section. Bolts 10, are then passed through apertures 11 in the overlapping rim portions of the two sections and through the rigid band 5, which forms a firm support for the bolts. The inner ends of the bolts are provided with nuts or other means to hold the bolts in place. With this arrangement the rigid band 5 not only provides a strong edge-protected rim at the junction of the parts but also a central rigid flat bearing surface on which the barrel may be rolled without bending or weakening the same and at the same time a sufficiently strong construction is provided to enable merely the substantially non-projecting bolts to be employed as fastening means.

On the upper body section 1 is adapted to be detachably secured a cover section 12, having a flat disk portion and a depending flange 13 which takes over the upper edge of the upper body section. The flange is provided with strengthening beads 14, 15 at top and bottom thereof.

On the interior of the flange of the cover is a vertical lug 16 extending downwardly beyond the lower bead 15 and terminating



in a loop or eye 17. This loop is adapted to fit between two similar loop or eye members 18, carried by separate lugs 19, mounted on the section 1. When the cover is in place a pin 20, having a head 21, is adapted to be passed through the three adjoining eyes and thus securely connect the cover and the upper section together. These eyes when the cover is in place abut against the bead on the lower edge of the cover and are protected thereby, during the rolling or other handling of the barrel. The clasp formed by this pin and eye connection enables the cover to be readily detached at any time and yet offers no undue exterior obstruction such as would interfere with the nesting of the upper section having the cover attached thereon, within the lower section.

Fig. 3 illustrates the manner in which the sections may be nested, one within the other for transportation.

In Fig. 4, there is shown a modified form of attaching means for the cover consisting of screw threaded lugs 22, secured to the inner edge of the upper section 23 and adapted to project upwardly and pass through apertures in the cover 24, and having their outer ends engaged by nuts 25. The cover fits loosely over the lugs or screws and the nuts are then used to clamp the cover in place on the barrel.

In Fig. 5, a modification of the barrel is shown in which an upper section 26 provided with a lower beaded edge 27 is adapted to fit over the upper part of a lower barrel section 28. This lower section is provided with a collar 29, having a horizontal flange 30 and vertical strengthening portions 31. The horizontal flange is provided with bolt holes 32 through which pass long vertical bolts

33, extending at their ends through lugs 34, fixed on a cover 35. The cover fits over the upper edge of the upper section of the barrel. Nuts 36, 37, are secured to the upper and lower ends of the bolts, respectively. Four of these bolts are preferably provided although a greater or less number may be employed, if desired. In this form of barrel the horizontal flange on the collar at the upper edge of the lower section provides a sufficiently rigid bearing for the barrel when being rolled.

Having thus described my invention, what I claim is:—

A metallic barrel made in three parts, one part forming a detachable lid section, and having the two main sections provided separately with exterior, longitudinal, permanent, strengthening braces, an interior flat circumferential band of greater rigidity than the body of the barrel at the outer edge of one section and permanently secured thereto, the engaging section being outwardly flared at its inner edge for a distance equal to the width of the band, said flared portion forming a flat rigid bearing member, and fastening means for securing the two main sections together, whereby the assembling of the barrel sections brings the rigid band automatically to place and the braces, barrel surface and cover section are protected when the barrel is rolled on the rigid bearing member, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses.

STEPHEN MARSHALL WRIGHT.

Witnesses:

J. E. TERRELL,  
R. H. JONES.