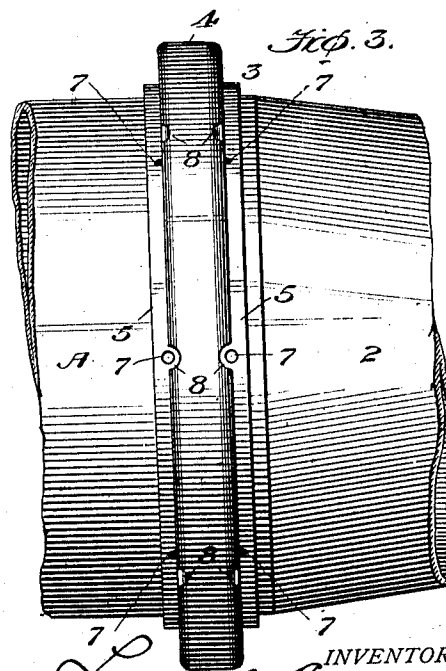
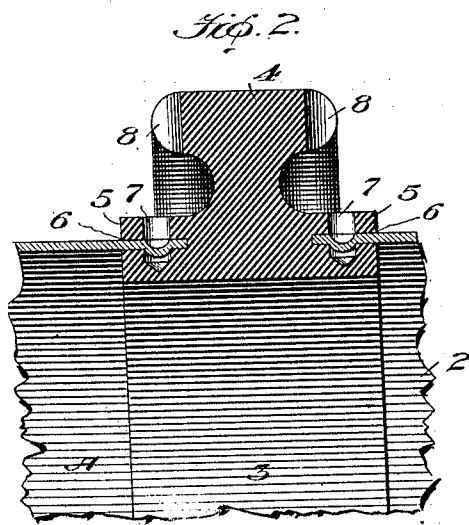
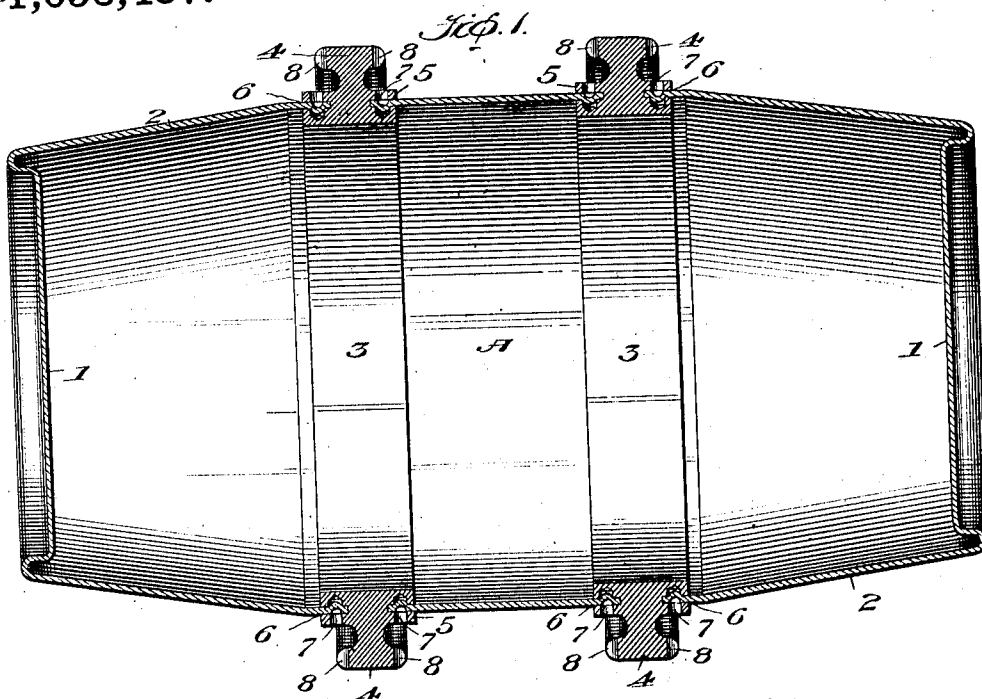


L. S. FLATAU.
METALLIC BARREL.
APPLICATION FILED OCT. 25, 1911.

Patented Feb. 18, 1913.

1,053,487.



WITNESSES
[Signature]
Lloyd W. Patch

INVENTOR
Louis S. Flatau
By Louis Bagge
Attorney

UNITED STATES PATENT OFFICE.

LOUIS S. FLATAU, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-THIRD TO DUDLEY C. WRAY AND ONE-THIRD TO LLEWELLYN A. WRAY, OF ST. LOUIS, MISSOURI.

METALLIC BARREL.

1,053,487.

Specification of Letters Patent.

Patented Feb. 18, 1913.

Application filed October 25, 1911. Serial No. 656,716.

To all whom it may concern:

Be it known that I, LOUIS S. FLATAU, a citizen of the United States, residing in St. Louis and State of Missouri, have invented certain new and useful Improvements in Metallic Barrels, of which the following is a specification.

My invention relates to an improvement in metallic barrels and more particularly in sectional barrels.

The object is to provide means for connecting the heads and central or body portion of the barrel together by the use of hoops or bands which form a support for the barrel when being rolled.

The invention further consists in certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings:—Figure 1 is a longitudinal sectional view of my improved barrel. Fig. 2 is an enlarged detailed sectional view showing the manner of connecting the heads and body to a band or hoop, and Fig. 3 is a detailed view in elevation of the same.

A, represents the body or central portion of the barrel which can be made of different lengths for different sizes of barrel, and 1, 1, represent the heads of the barrels which are provided with upwardly tapering walls 2. Bands or hoops 3 are provided with a tread 4, and flanges 5, 5. Each of the flanges is provided with annular grooves 6, and holes 7 are formed in the flanges at predetermined intervals which extend from the upper surfaces of the flanges 5 below the annular grooves. Recesses 8 are formed in the tread 4 on each side thereof, which openings or recesses are in alignment with the holes 7 in the flanges. In securing the walls of the heads and the body portion of the barrel together, the wall in one of the heads is received in the annular groove 6 of one of the flanges 5, and an edge of the body portion A is received in the adjacent groove 6 of the other flange 5 of the hoop or band 3. After the edges of the wall and body are inserted into the grooves, a punch is inserted into the holes 7 and by tapping the punch with a hammer the wall and body is indented or depressed to form a protuberance on the lower or inner side thereof,

which protuberance extends into the base or lower portion of the hole or countersink. This same action is carried out throughout the several holes or countersinks formed in the flanges, thereby forming a secure fastening of the wall and body to the hoop or band. It is also to be noted that the extreme edges of the body and wall extend into the grooves beyond the openings or countersinks 7, so that a tight fit is produced, and after the edges of the body and wall have been securely fastened to the band by means of the punch, solder is poured into the openings and around the edges so that an air and liquid-tight joint is formed. The recesses or openings 8 which are in alignment with the openings 7 form a means for allowing the punch to be inserted into the openings, and also form a passage for the drill in drilling the holes 7 in the flanges.

It is to be noted that the heads are raised so that a strong edge is formed when the barrel is headed or placed upon its head, and when the barrel is to be rolled, the treads 4 of the hoops or bands 3 form a surface for rolling the barrel, and in that way the barrel is not dented or injured in any respect.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A metallic barrel the main portion of which is formed of at least two sheet metal shells, and a hoop comprising a tread and flanges, the latter having annular grooves in the opposite edges thereof to receive the edges of the sheet metal shells, said flanges having holes intersecting the grooves, and portions of the sheet metal shells adapted to be depressed into the holes.

2. In a metallic barrel, the combination with a body and heads, of hoops comprising treads and flanges, the latter having annular grooves formed in the edges thereof, said flanges having holes intersecting the annular grooves, the edges of the heads and body received in the annular grooves of the hoops and adapted to be depressed into the holes formed in the hoops.

3. In a metallic barrel, the combination with heads and a body, of hoops having grooves formed along the edges thereof in which the edges of the heads and body are

received, said hoops having holes formed at predetermined intervals throughout the circumference thereof in which the edges of the heads and body are depressed for fastening the heads and body to the hoops.

4. In a metallic barrel, the combination with heads and a body, of hoops having grooves formed along the edges thereof in which grooves the edges of the heads and body are received, said hoops having countersinks formed therein, and a tread mounted on the bands for forming a surface for rolling the barrels having recesses formed in the edges thereof in alinement with the countersinks whereby an instrument can be inserted in the countersinks for depressing the edges of the heads and body into the

countersinks for forming a tight joint between the hoops and heads and body.

5. A metallic barrel composed of at least two metal shells, and a hoop having annular grooves in the edges thereof for the reception of the edges of the shells, said hoop having holes formed therein intersecting the grooves, in which holes the edges of the shells are depressed for fastening the shells to the hoop.

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

LOUIS S. FLATAU.

Witnesses:

E. OBERLE,

ALVIN D. GOLDMANN.

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