

No. 859,615.

PATENTED JULY 9, 1907.

E. C. PHILLIPS.

BARREL.

APPLICATION FILED NOV. 3, 1906.

Fig. 1.

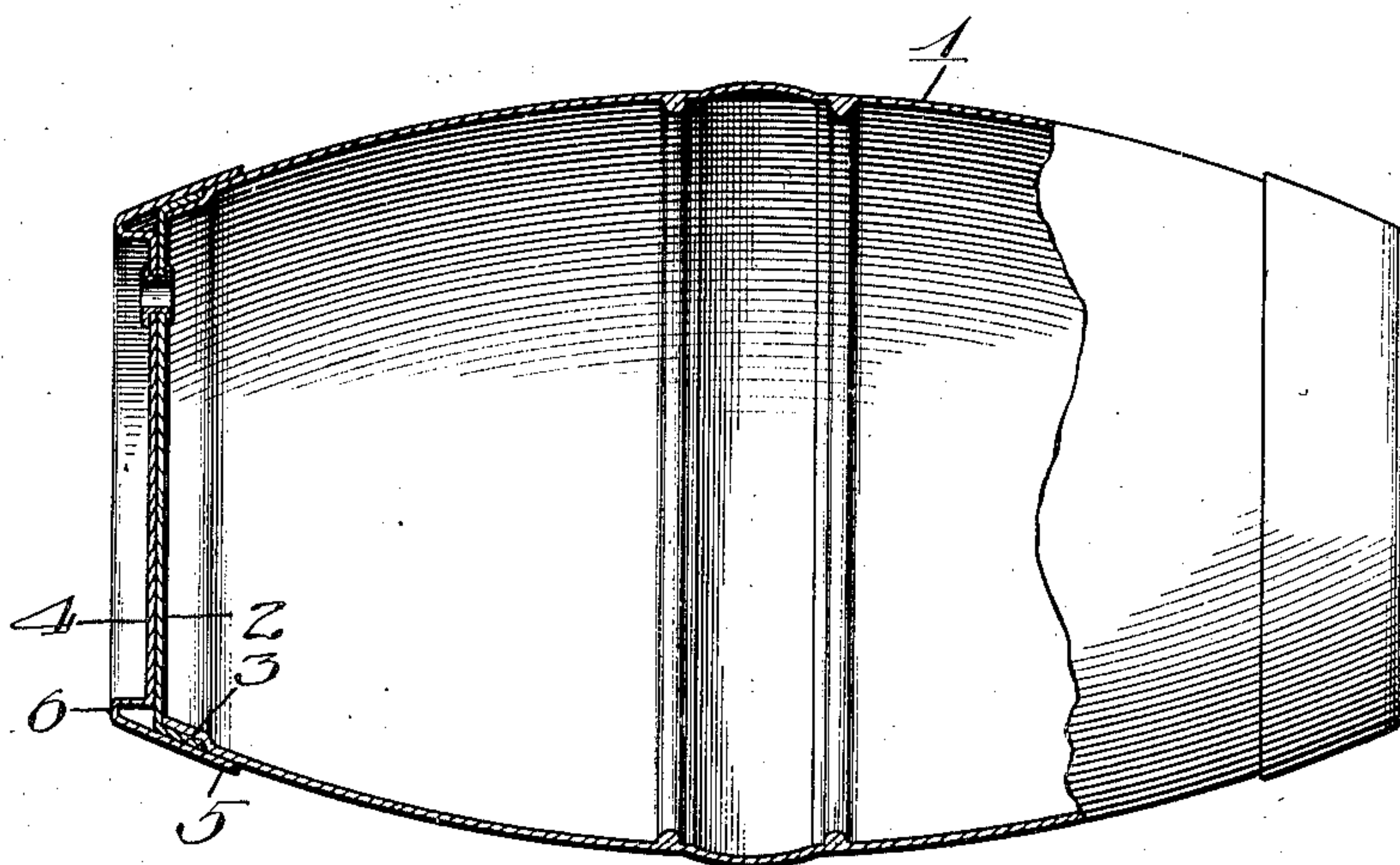
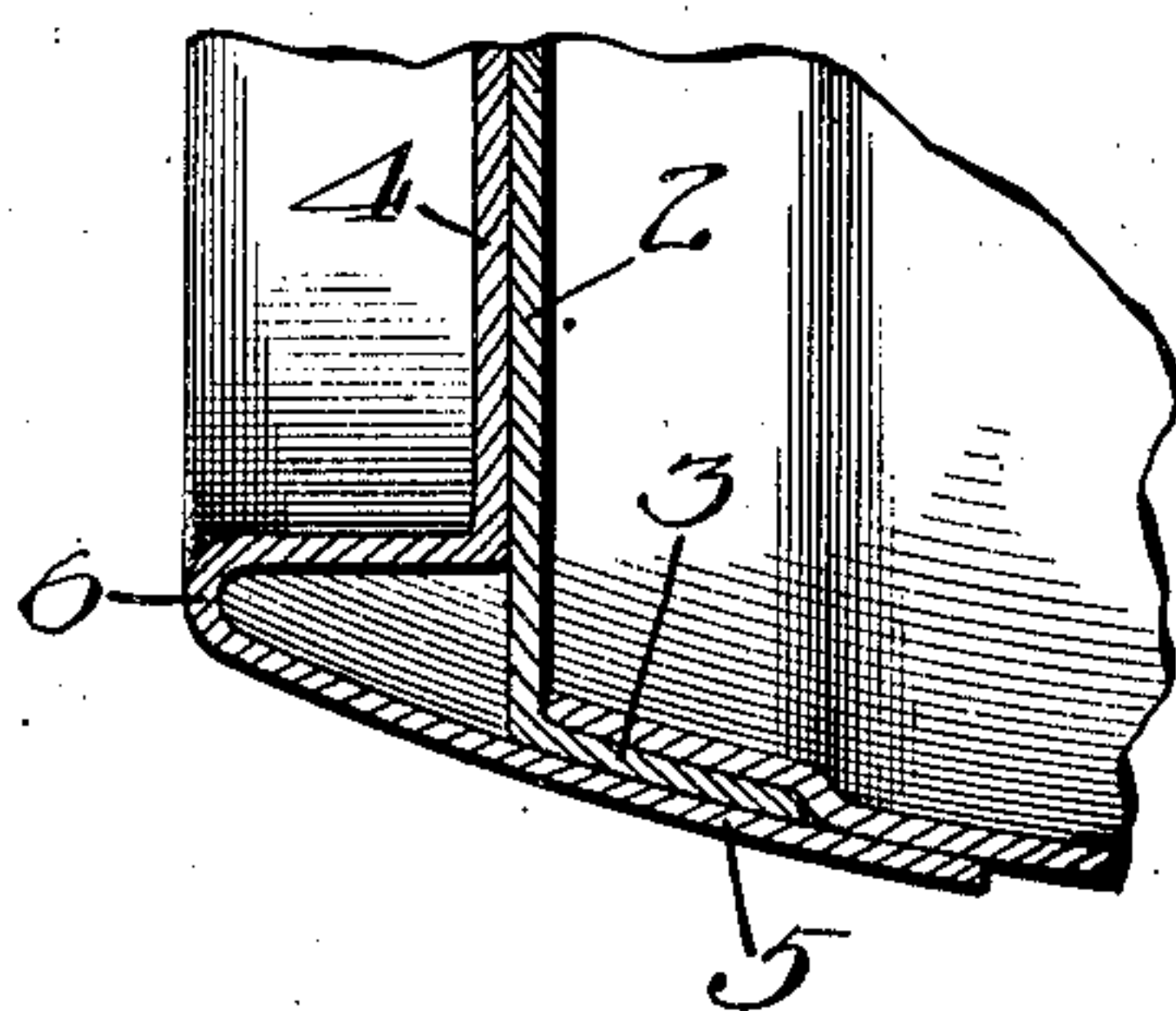


Fig. 2.



Witnesses:
J. D. Perry
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UNITED STATES PATENT OFFICE.

ELWOOD C. PHILLIPS, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO ISIDORE M. LEDERER, OF CHICAGO, ILLINOIS.

BARREL.

No. 859,615.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed November 3, 1906. Serial No. 341,863.

To all whom it may concern:

Be it known that I, ELWOOD C. PHILLIPS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Barrels, of which the following is a specification.

My invention relates to barrels more particularly the ones made of steel or similar metal and the object of the invention is to provide a barrel so constructed that it shall be amply protected at the ends so that it may withstand the effects of rough handling and at the same time be of plain shape in the interior so that the entire contents may be removed without difficulty. In regard to this last object it may be stated that in some types of steel barrels now in common use for example the one shown in Patent No. 718,020, issued to me January 6, 1903, the rims or chimes are so shaped that an annular pocket is formed at the end of the barrel from which the contents of the barrel cannot be readily completely drawn off. There is a tendency for impurities to gather and remain in this pocket thereby defiling the vessel to a greater or less extent.

One of the main objects of my invention is to provide a barrel from which this disadvantageous feature shall be eliminated.

I attain my object by the apparatus illustrated in the accompanying drawings, in which:

Figure 1 is a longitudinal sectional view of the barrel. Fig. 2 is a fragmentary detail drawn to an increased scale and showing in section a portion of the barrel at the chime.

Similar numerals refer to similar parts throughout the several views.

The sections 1, 1 which constitute the main body of the barrel consist of metal joined together in any suitable manner, for example the one described in my aforesaid Patent No. 718,020. The ends of these body sections are plain and open and over them is fitted a cap 2 having peripheral flanges 3 adapted to fit closely over the ends of the body sections. These caps are preferably plain flat disks which are dished or flanged at their peripheries as shown. These caps are secured in position preferably by flux welding them.

Outside of the end caps are fitted auxiliary end caps 4 having peripheral flanges 5 adapted to fit over the flanges 3 of the inner caps 2. By preference the flanges on these outer caps are deep enough so they may be flux welded not only to the flanges of the inner caps but also to the sides of the barrel. In the best construction the sides 1 are depressed or counter sunk near the ends

so that the outer surface of the flange 3 shall come substantially flush with the outer surface of the main portion of the barrel. As a result of this construction the flanges 5 may be made smooth, that is, without any ridges, thus improving their appearance, simplifying their construction and facilitating the welding onto both the inner flanges 3 and the sides of the barrel. The outer caps are not plain at the rims like the inner ones but have an annular peripheral ridge 6 which projects beyond the ends of the barrel and forms what may be termed a chime. These outer end caps not only reinforce the ends of the barrel but the ridge or chime affords a support upon which the barrel may rest when on end and be held up out of contact with the floor or pavement. The pocket necessarily resulting from the formation of this ridge or chime is, in my improved form of barrel, entirely outside of and out of communication with the interior of the barrel and hence nothing from the interior of the barrel can become lodged in said pocket. The inside of the barrel is plain and smooth and there are no pockets or depressions wherein impurities may collect hence the barrel may be thoroughly cleansed without difficulty which is a point of great advantage especially where the barrel is used for the storage of liquors, liquid foodstuffs or any liquids of more or less perishable nature. The parts are simple in configuration, easily formed and easily secured in position. In the preferred form the entire head is double, that is to say, is formed of two complete separate heads at each end which renders the barrel exceedingly durable.

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

1. In combination, a metallic barrel body, a metallic plate for closing the end thereof said plate having an annular flange, flux welded to the sides, and an outer plate or head fitting over the inner one and having a flange welded to the flange of the inner head, and a chime formed in said outer head substantially as described.

2. In combination, a metallic barrel body depressed or counter-sunk near the ends, inner plates for closing the ends of the barrel, said inner plates having peripheral flanges setting into the counter-sunk ends of the barrel, and an outer protecting piece at each end of the barrel having a flange fitting over the first mentioned flange and having a ridge or chime 6, for the purpose described.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

ELWOOD C. PHILLIPS.

Witnesses:

DWIGHT B. CHEEVER,
HOWARD M. COX.