

(No Model.)

J. L. KIRBY.
METAL BARREL.

No. 494,275.

Patented Mar. 28, 1893

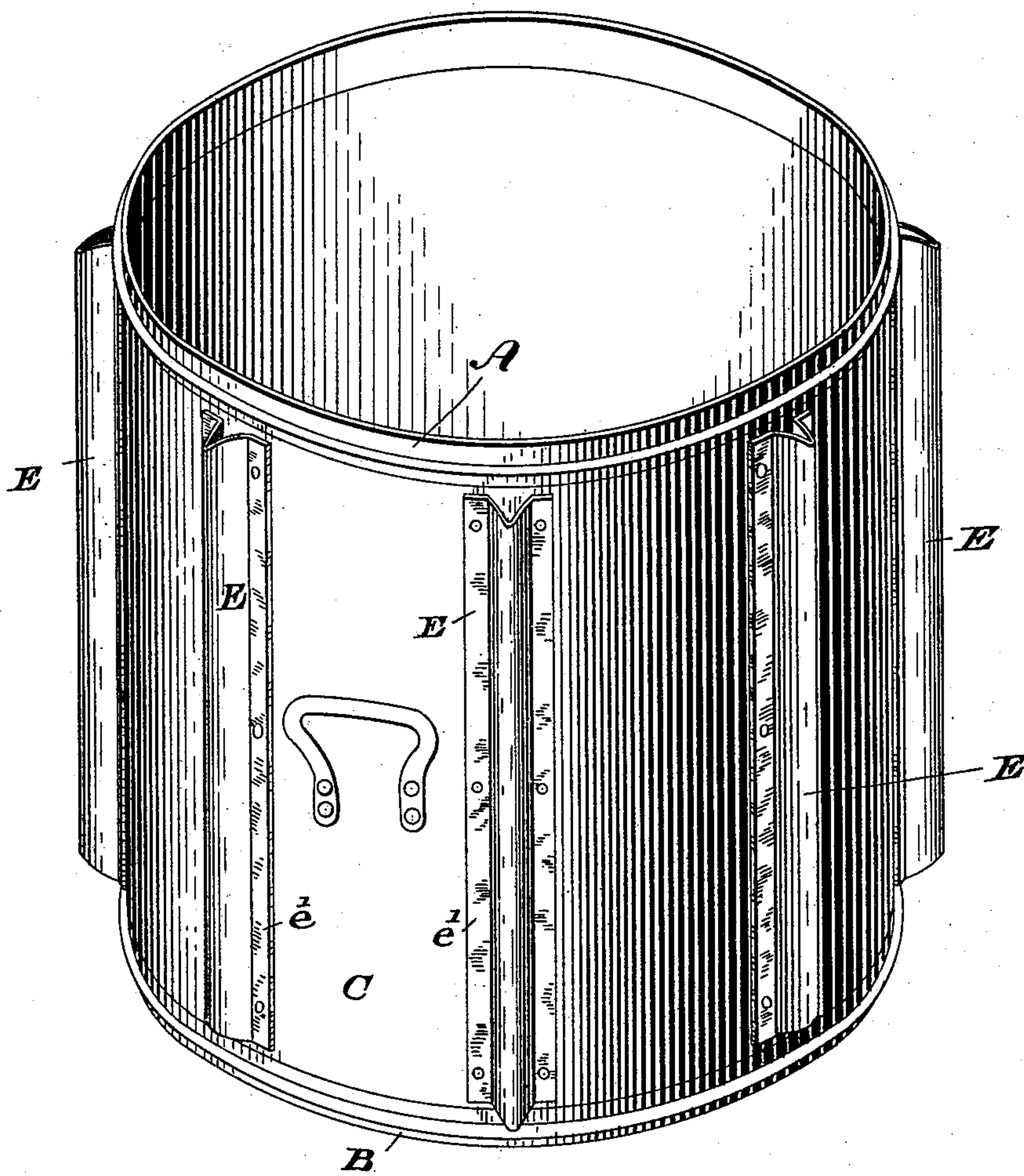


FIG. 1.

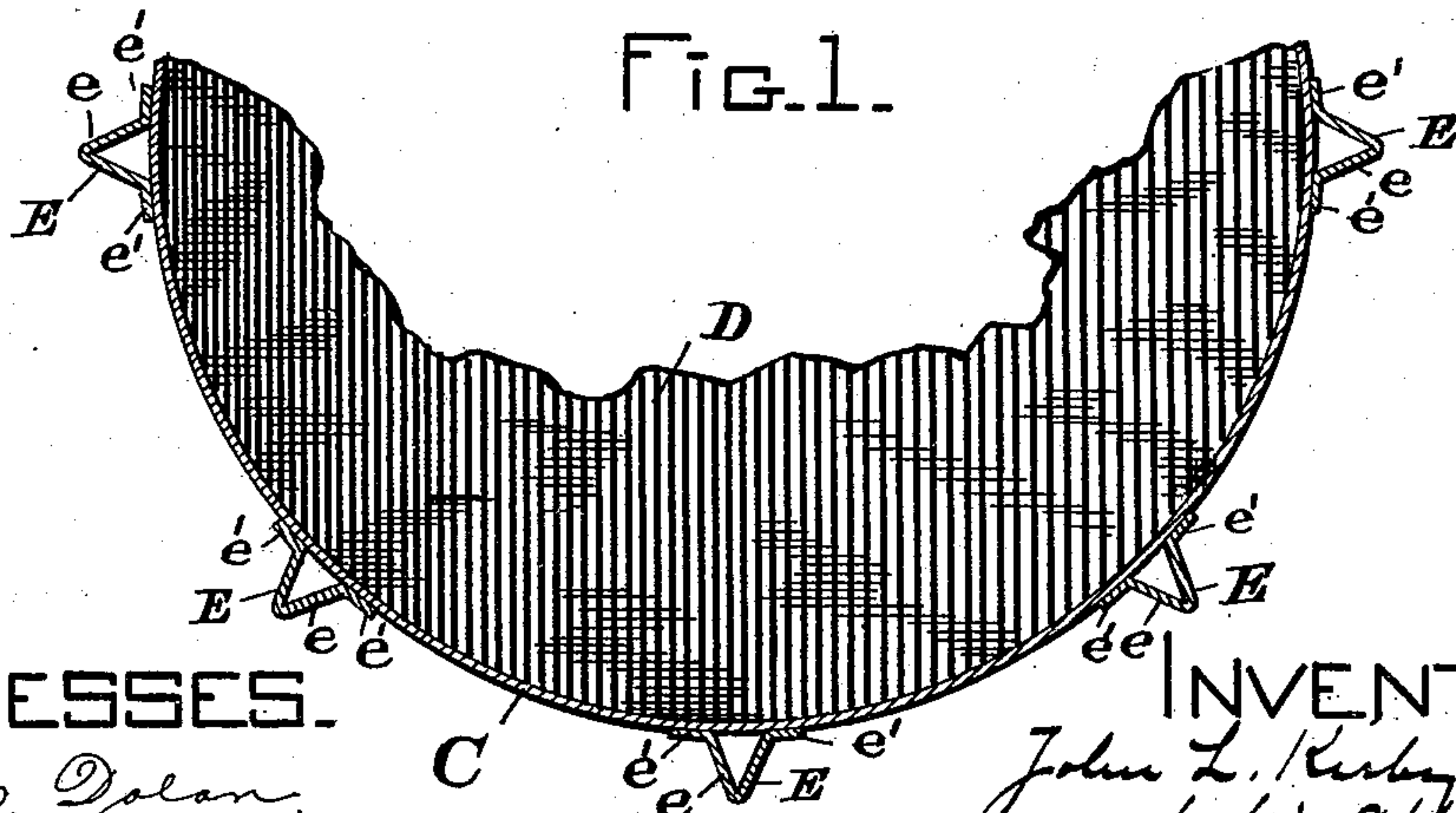


FIG. 2.

WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN L. KIRBY, OF CAMBRIDGE, ASSIGNOR TO THE DOVER STAMPING COMPANY, OF BOSTON, MASSACHUSETTS.

METAL BARREL.

SPECIFICATION forming part of Letters Patent No. 494,275, dated March 28, 1893.

Application filed April 28, 1892. Serial No. 430,963. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. KIRBY, a citizen of the United States, residing at Cambridge, in the county of Middlesex, State of Massachusetts, have invented a new and useful Improvement in Metal Barrels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

The invention relates to a barrel made of sheet metal, and stiffened, braced, and protected by longitudinal, hollow angular metallic ribs applied to the outside of the barrel, and each made of a sheet metal strip folded or otherwise formed at the center of its length to provide a hollow angular section and two flanges, by which the rib is affixed by means of riveting to the exterior of the barrel. As many of these reinforcing or bracing hollow angular ribs may be used as desired. I prefer to set them about seven or eight inches apart.

Referring to the drawings: Figure 1 is a view in perspective of the barrel. Fig. 2 is a detail view in horizontal section.

The barrel may have any of the well-known forms of construction. That represented in the drawings comprises the upper ring A, the lower ring B, the intermediate sheet metal section C, and the bottom D. The section C laps upon the top and bottom rings and is riveted to them, and its edges are riveted together or united in any other desired way. To the exterior of the section C, there are secured the hollow bracing or reinforcing and protecting

metallic ribs E. These preferably are made of sheet metal strips of the desired width, folded or otherwise formed to provide the hollow angular section *e*, increasing in width from its outer edge inwardly, and the flanges *e'*. The flanges bear upon the outer surfaces of the section C and are united thereto by rivets. As many of these protecting reinforcing hollow metallic ribs are thus attached to the barrel as may be desired. They serve to strengthen or brace the section C to such an extent that metal plate of thinner gage than that now employed for the barrel may be used and a stronger barrel obtained. They also form a lighter, but stiffer and stronger brace and protector than any now used.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

A metal can or barrel having a body portion consisting of a cylindrical shell of thin metal continuous throughout to present a smooth interior, said shell being provided on its outside with a series of longitudinal, hollow, reinforcing and protecting metallic ribs formed separate from the body of the barrel and provided on both sides with lateral flanges, said ribs being secured in place by rivets passing through said flanges and the said shell.

JOHN L. KIRBY.

In presence of—

F. F. RAYMOND, 2d,
J. M. DOLAN.