

GEORGE W. BANKER.

Improvement in Barrels, Kegs, and Pails.

No. 115,807.

Patented June 13, 1871.

Fig. 1.

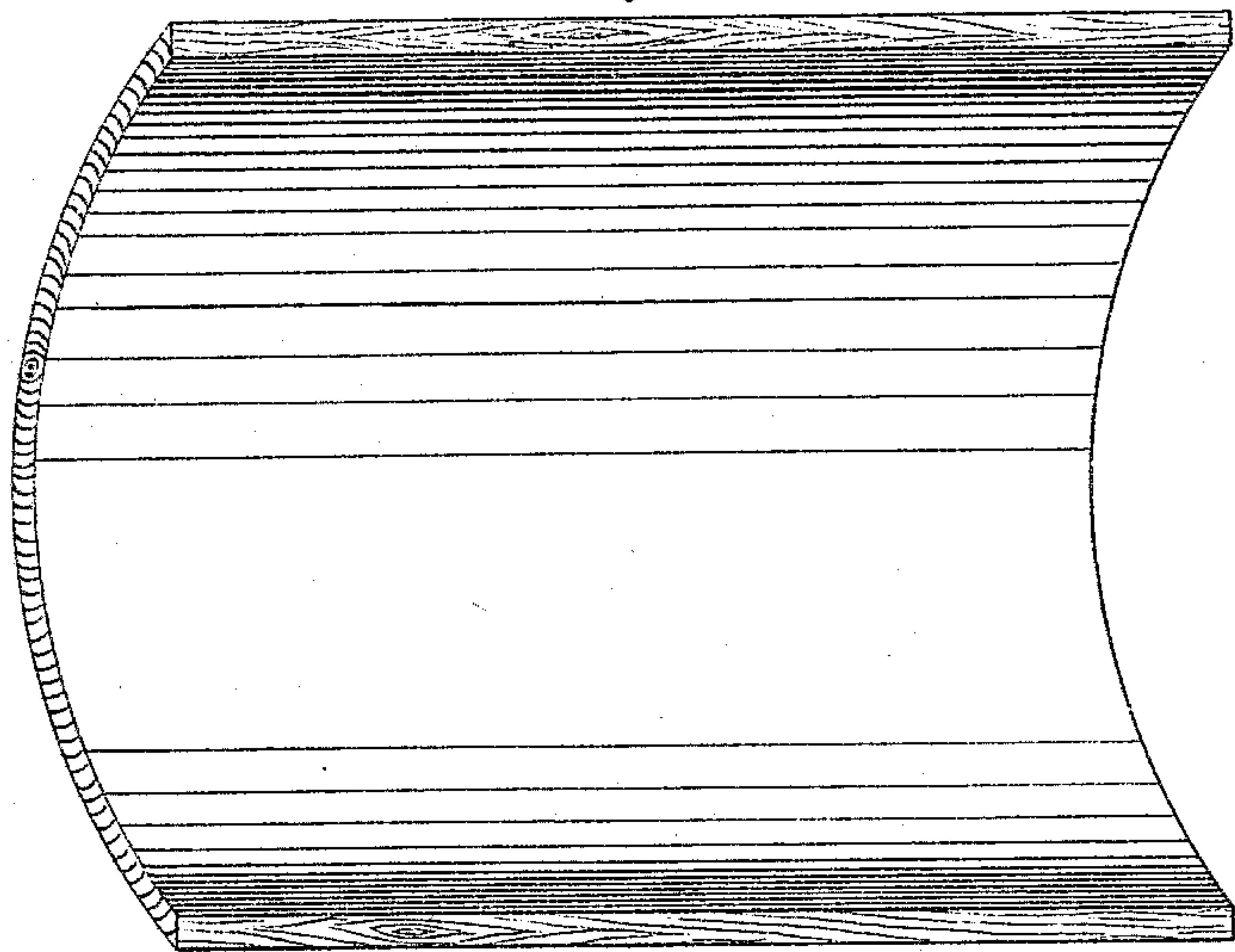


Fig. 2.

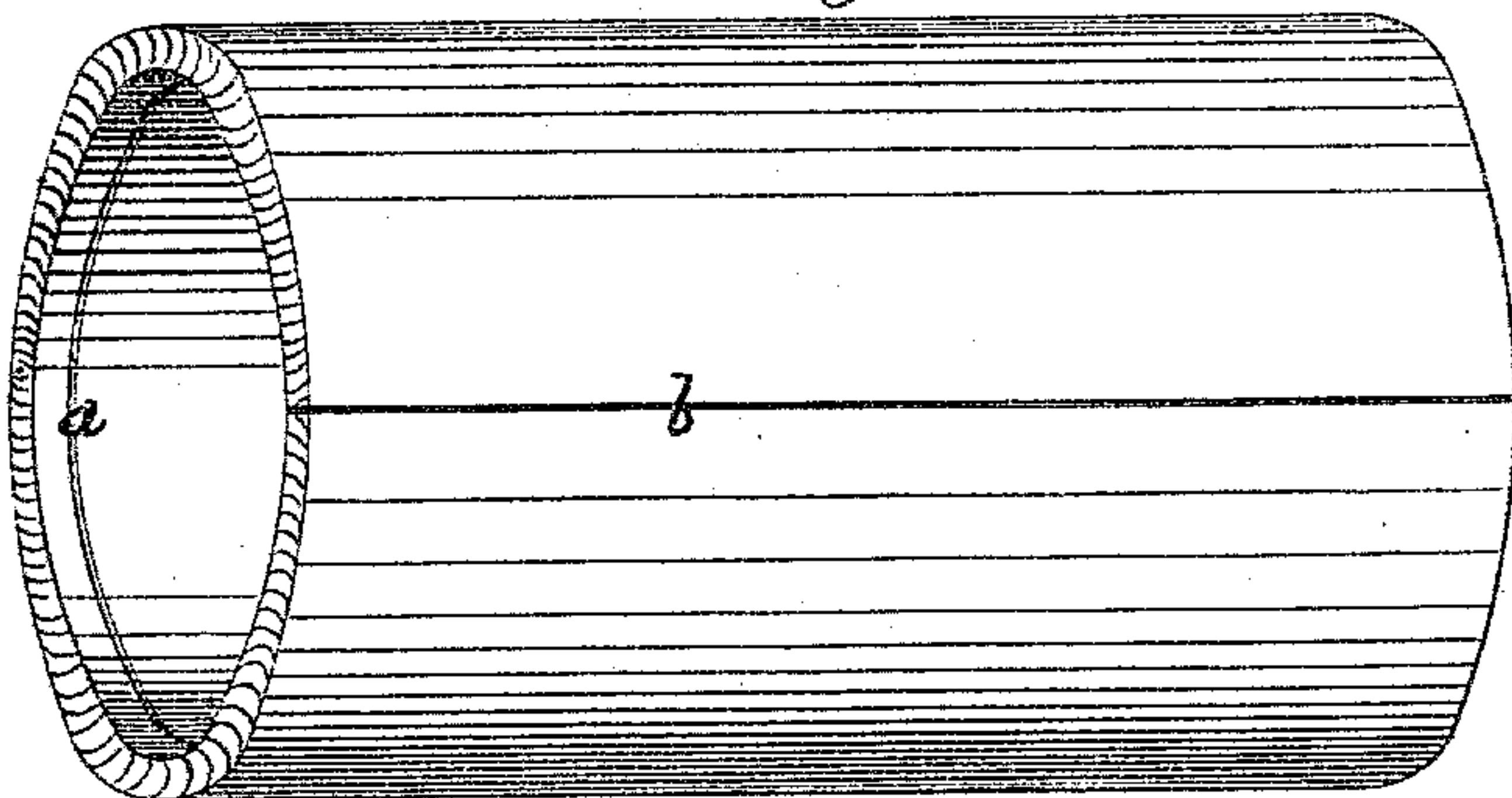
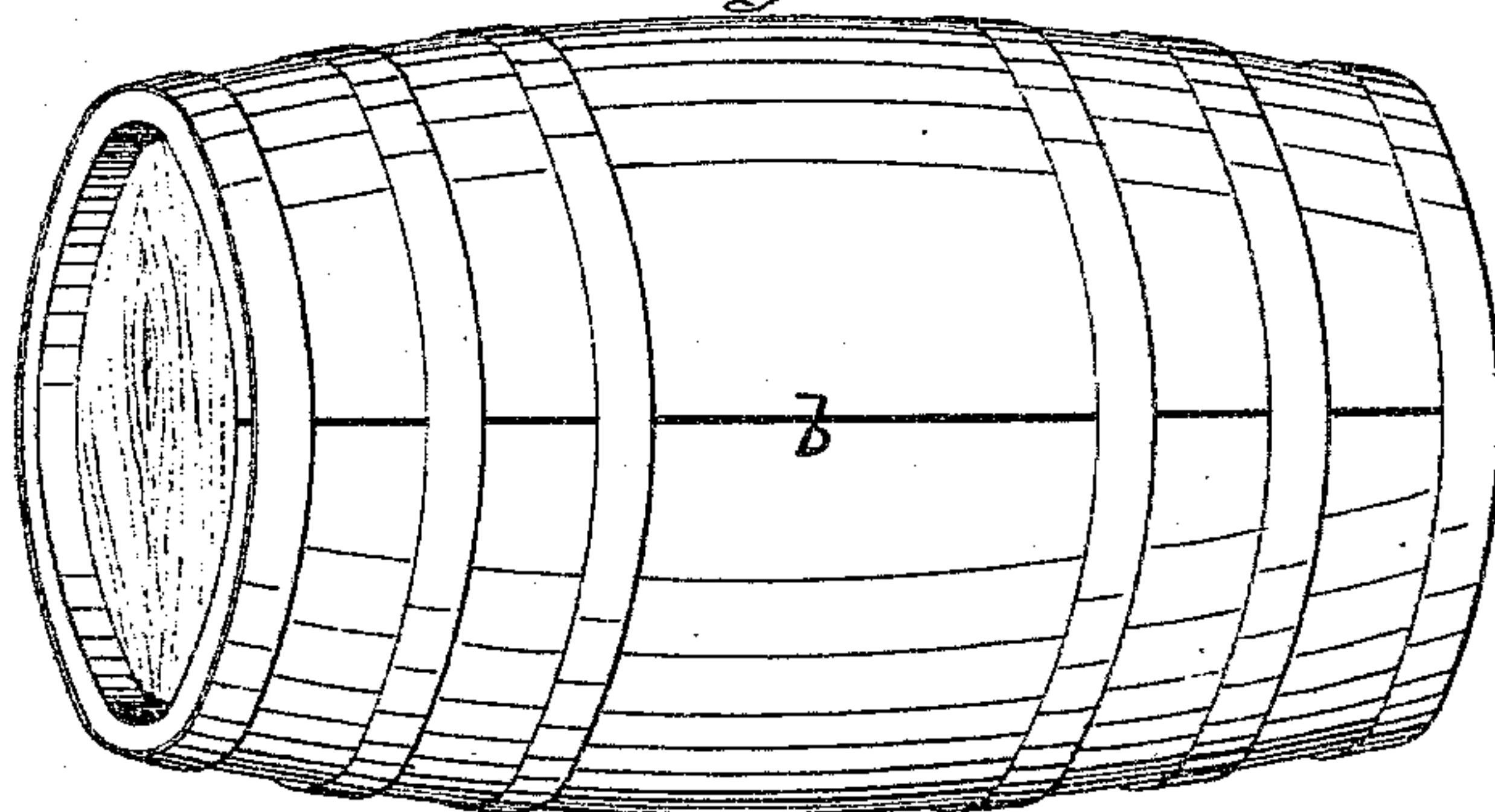


Fig. 3.



Witnesses:

J. R. Turner.
E. Hitch

Inventor:

George W. Banker
By J. P. Smith his atty.

UNITED STATES PATENT OFFICE.

GEORGE W. BANKER, OF NEW YORK, N. Y.

IMPROVEMENT IN BARRELS, KEGS, AND PAILS.

Specification forming part of Letters Patent No. 115,807, dated June 13, 1871.

To all whom it may concern:

Be it known that I, GEORGE W. BANKER, of the city, county, and State of New York, have invented certain new and useful Improvements in Barrels, Kegs, Pails, and other similar round packages as a new manufacture, of which the following is a specification, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of a sheet or scroll of wood cut from the surface of a cylindrical block or log, designed to form the body of a barrel. Fig. 2 is the same sheet of wood formed into a cylinder in the process of forming the barrel, the croze having been cut in the ends to receive the heads. Fig. 3 is a completed barrel embodying my invention.

My invention consists in forming a barrel out of a single rectangular sheet of wood, cut from the surface of a cylindrical block or log by a cut around the log, and the bulge being formed by compressing the wood on either side of the center annularly in upon itself, thus constructing a barrel, the body of which is formed of a single piece of wood, and with only a single seam.

The operation of cutting wood around the log for veneers, staves, box-stuff, &c., is well known, and therefore it is not necessary that I should describe it, or the machinery by which it is performed.

In the manufacture of my improved barrel I sever, by the operation above referred to, from the surface of a cylindrical block or log, a rectangular sheet of wood, Fig. 1, of the width suitable for the length of a barrel, and of such a length that when formed into a cylinder its diameter will be that of the bulge of the barrel I desire to make. In order to make a tight joint or seam, *b*, it is best to carefully plane and tongue and groove the ends. I then bend the sheet so as to form the cylinder shown in Fig. 2, bringing the ends carefully together; then, after cutting the croze *a*, the cylinder is placed in a suitable machine for compressing the ends, such as the ones for which Letters Patent of the United States No. 51,643 were

issued to Arcalous Wyckoff, December 19, 1865. By this machine, or a similar one, the ends are compressed, the head inserted, the hoops put on, and the barrel is completed. It is evident that kegs of any dimensions, or pails, tubs, and other similar articles requiring to have only one end compressed, may be made in the same manner, and will, when so made, embody my invention.

I am aware that it has been attempted to form barrels out of a single sheet of wood by cutting a number of acute angular pieces or wedges from the sheet, on either side of the bulge, and then, by bending the remaining portions inward and bringing their edges together, contract the ends of the barrel, and thus form the bulge. I do not, therefore, claim this method of forming a barrel, my claim being limited to a barrel or other hooped-round package made of an entire rectangular sheet of wood, in which the bulge is made by compressing the ends, as described.

I am also aware that barrels have been made the bodies of which have been formed of a single piece without a seam by cutting into a log endwise with a hoop-saw, or equivalent instrument, thus taking out a core and leaving an entire cylinder; then compressing the ends of such a cylinder, in the manner above referred to, to form the bulge, as described in the before-mentioned patent issued to A. Wyckoff, December 19, 1865. But this method is objectionable and expensive, involving a great waste and loss of wood, and the process is comparatively very slow, and I do not claim it; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

A barrel, tub, pail, or other round-hooped package having a taper on which to drive the hoops, the body of which is formed of a single piece of wood, with a single seam, when the taper is formed by annularly compressing the wood, all substantially as described.

GEO. W. BANKER.

Witnesses:

JAMES DUNN,
J. P. FITCH.