

(No Model.)

D. G. CLEMOW.

BARREL.

No. 414,020.

Patented Oct. 29, 1889.

Fig. 1-

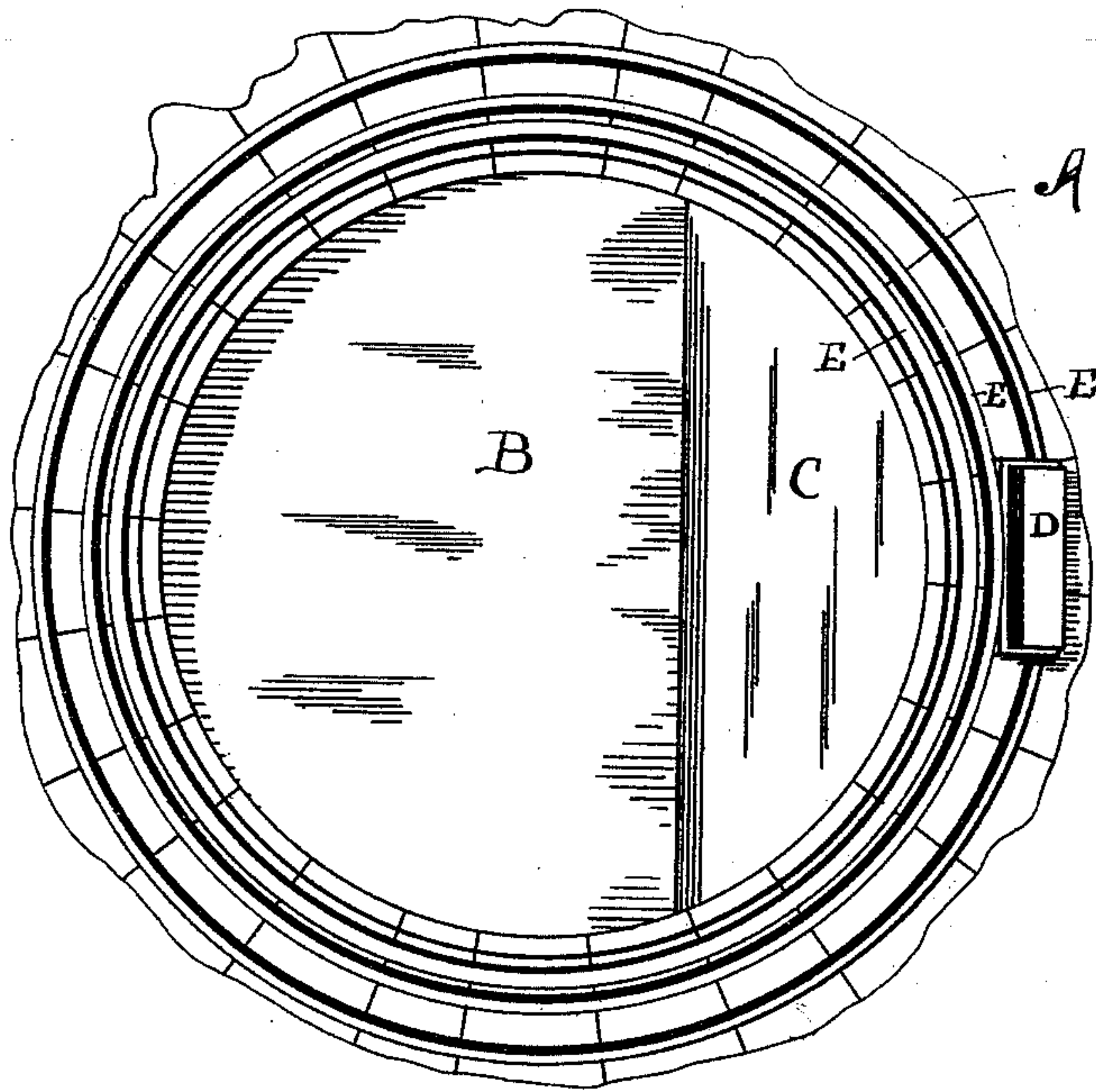
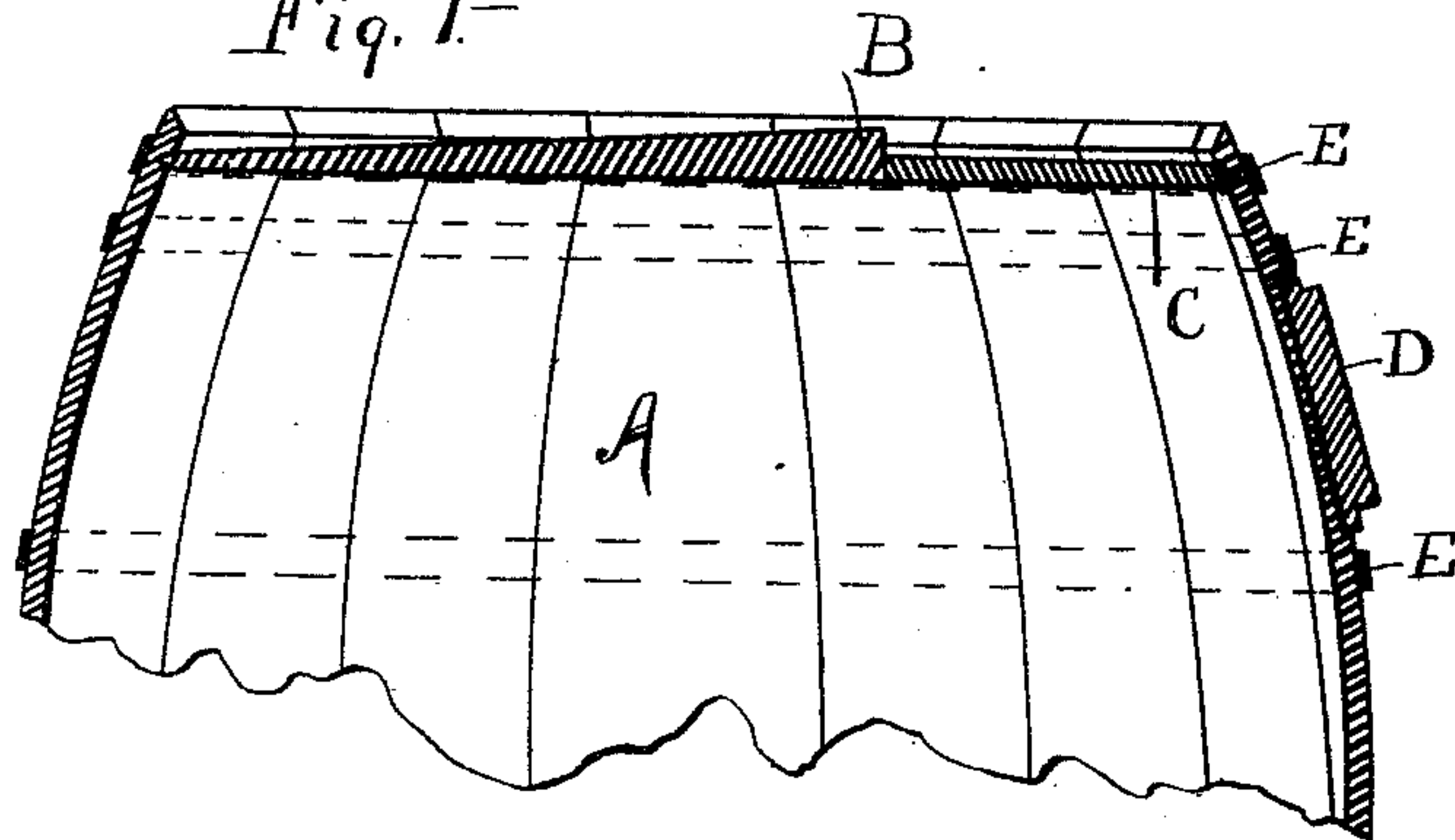
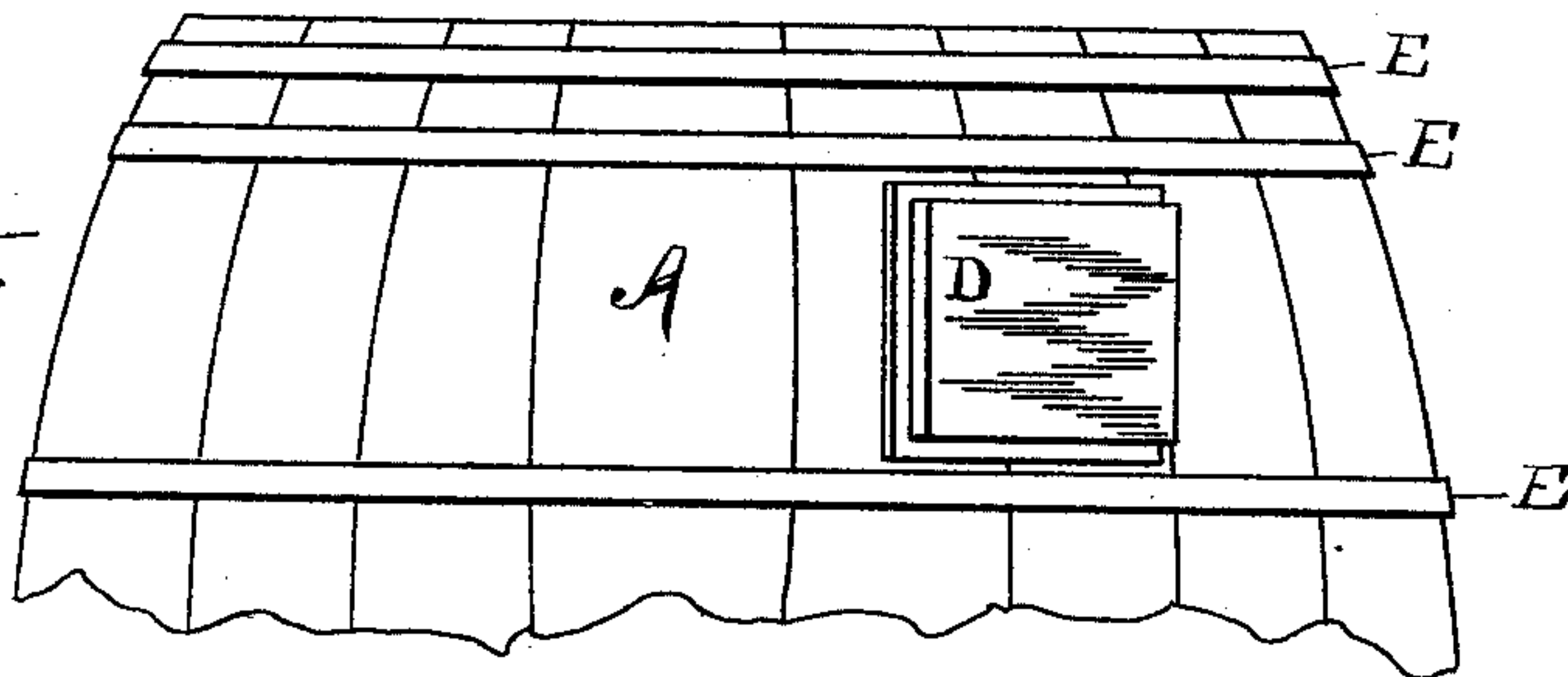


Fig. 2-

Fig. 3-



Witnesses.  
C. A. Tiff  
L. R. Child

Inventor.  
David G. Clemow  
By H. V. Tofft  
Att'y.



# UNITED STATES PATENT OFFICE.

DAVID G. CLEMOW, OF PEORIA, ILLINOIS.

## BARREL.

SPECIFICATION forming part of Letters Patent No. 414,020, dated October 29, 1889.

Application filed February 8, 1889. Serial No. 299,261. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID G. CLEMOW, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Barrels; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in barrels; and it consists in the construction hereinafter described, whereby a barrel is provided with a section of the head raised and a block is set into the body of the stave or staves, for advantages hereinafter described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a sectional view of a portion of a barrel embodying my improvements. Fig. 2 is a front view showing my improvements. Fig. 3 is a representation of the raised block, &c.

The object of my improvement is to provide a barrel with a suitable place to receive stamped, dyed, stenciled, or cut impressions, consisting of letters or figures made upon the wood, and which require erasure before again using the barrel or cask and renewing the impression of whatever character required by the government to be placed on barrels, casks, or other forms of cooperage containing liquors, and by using my improvement, hereinafter described, a barrel or cask is provided whereby these erasures can be made a great number of times without injuring or weakening the barrel or cask, so as to require the removing of any of its parts.

My improvements can be fully understood by reference to the accompanying drawings.

In Fig. 1, A shows the upper section of a barrel, consisting of staves.

E E E are the hoops, and C is the ordinary section of a barrel-head, but B, which is a part of my improvement, is a section of a barrel-head made considerably thicker than the section C, and may be made of any thickness to suit its application, and the object of this raised head is to receive the impressions above described, which are required and are made upon all barrels, casks, half-barrels, or other packages containing spirituous liq-

uors, and where erasures are made, which are required to be made before again using, such erasures being made by cutting off the surface of the wood, so as to produce a smooth surface to receive another impression. The raised head B is made of such a thickness that a great number of such erasures can be made before a new section of a head is required. The raised block D is merely a square block (or may be made in any suitable shape) of a considerable thickness, and is set into the body of the stave or staves. The purpose of this block is to receive the impressions that are usually made upon the staves, and which require erasure, the same as on the head, as above described, which erasures soon make it necessary to renew the stave or staves. By means of this block a surface is provided which will permit of a great number of such erasures as above described before it is exhausted, and when exhausted can be replaced by another similar block without in any way impairing the strength of the barrel or cask, and thus obviating the necessity of ever renewing the stave or staves on account of such erasures.

In Fig. 2, A represents the staves; E E E, the hoops; C a section of the head; B, the raised section of a head, and D the block.

In Fig. 3, A represents the staves; E E E, the hoops; and D is the block.

It will be readily seen that without the use of my improvements, where the same barrel is used a great number of times, and on which the government stamp is required, great loss is occasioned by being obliged to so often renew the heads or sections of heads and staves, besides the inaccuracy it occasions in gaging, caused by the cutting away of the head to remove the impressions, thus destroying the original uniformity of thickness of heads; whereas with the raised section of the head, where all the impressions and erasures are made, it leaves the other section of the head free from all impressions—consequently erasures—and provides a uniform and unvarying thickness of this section of the head, from which the gaging measurements are made with consequential accuracy.

These improvements may be applied, and I desire them to apply, to any class of cooperage, in any form or shape whatsoever. The

number of blocks to be used on one barrel or cask will not be limited.

With these objects in view, what I claim, and desire to secure by Letters Patent, is—

5 1. A barrel the head of which is provided with the raised section B, substantially as described.

2. A barrel the head of which is provided with the raised section B, and the raised

block D, set in the body of the stave or staves, so substantially as described.

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

DAVID G. CLEMOW.

Witnesses:

GEO. T. PAGE,

FRANKLIN T. CORNING.