

J. REID.

Improvement in Machines for Trussing Barrels.

No. 132,601.

Patented Oct. 29, 1872.

Fig. 1.

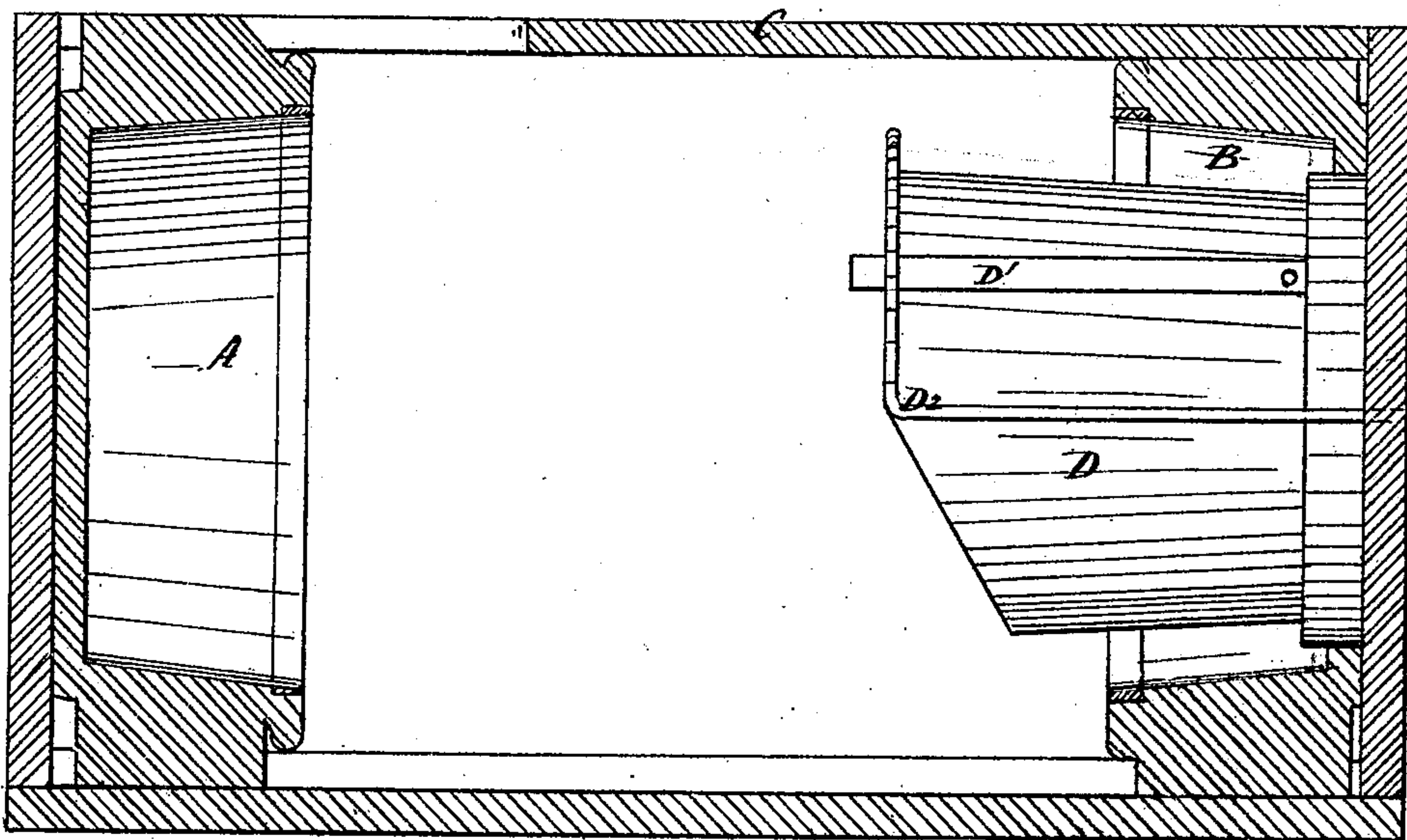
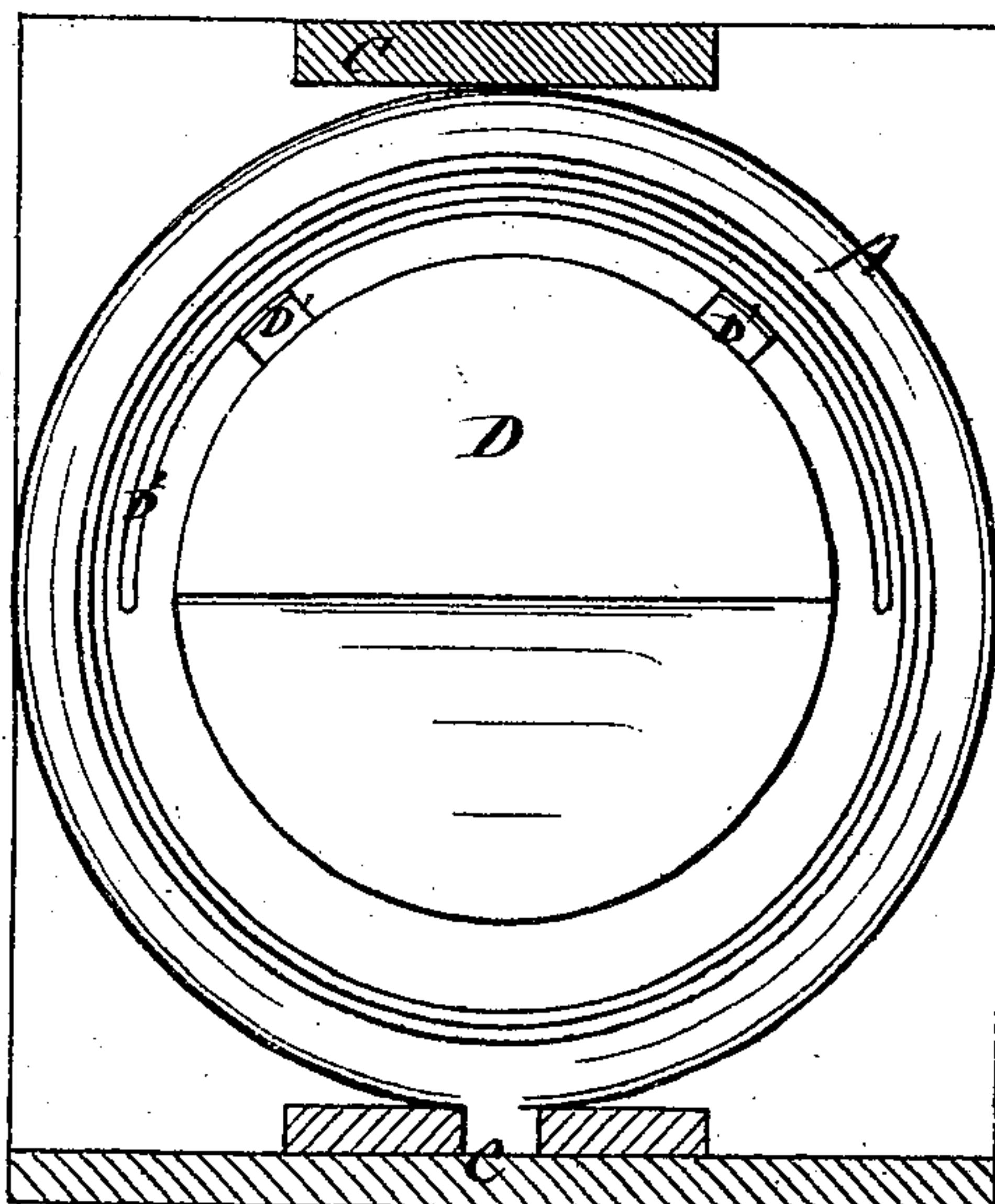


Fig. 2



WITNESS
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN MACHINES FOR TRUSSING BARRELS.

Specification forming part of Letters Patent No. **132,601**, dated October 29, 1872.

To all whom it may concern:

Be it known that I, JOHN REID, of Allegheny City, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Machinery for the Manufacture of Casks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of machinery or apparatus to be used in the construction or trussing of barrels or such like articles.

In order that my invention may be properly understood, I will describe the construction and operation thereof.

In the accompanying drawing, Figures 1 and 2, A and B are hollow cones, placed horizontally and lying opposite to each other, and supported by the guide bars C, forming the main frame of the machine. During the operation of trussing the said cones A and B are pushed toward the center of the machine, and withdrawn from the same by any suitable reciprocating device; or, if required, but one cone may be movable, the other stationary. From the main part of the machine projects a curved frame, D, to which is attached springs D¹ of suitable construction, kept in tension by the pushing forward and withdrawal of a curved bar, D².

The mode of operating with the machine is as follows: The cones A and B are drawn apart to a distance a little less than the length of the staves to be used, and the springs let out as wide as the largest diameter of the required barrel. The binding-hoops are then placed in the recesses in the cones A and B cut for that purpose. The staves are then built around the springs D¹ and curved bar D², and the bottom or one end of the cask may be placed in or near the end of the staves which rest in the cone A. Both of them should be moved toward each other simultaneously by any suitable means until the trussing-hoops are made tight on the barrel. The cones are then pulled back, leaving the hoops encircling said vessels.

Having thus described the nature, construction, and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The method of trussing barrels, casks, &c., with cones, as herein specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN REID.

Witnesses:

PERCEVAL BECKETT,
F. D. TAYLOR.