

S. SHEA.
BARREL OR CASK.

No. 61,690.

Patented Jan. 29, 1867.

Fig: 1.

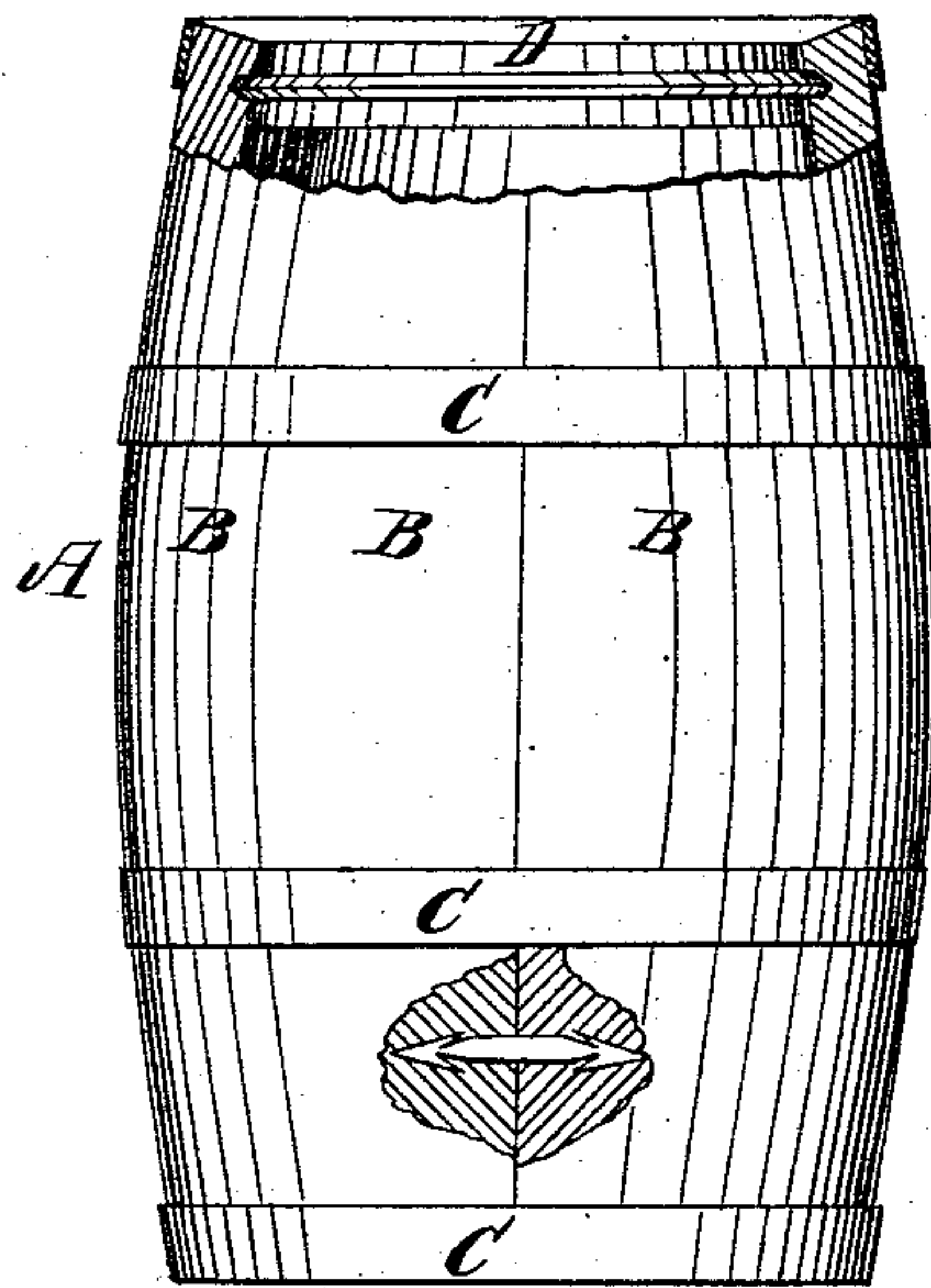


Fig: 2.

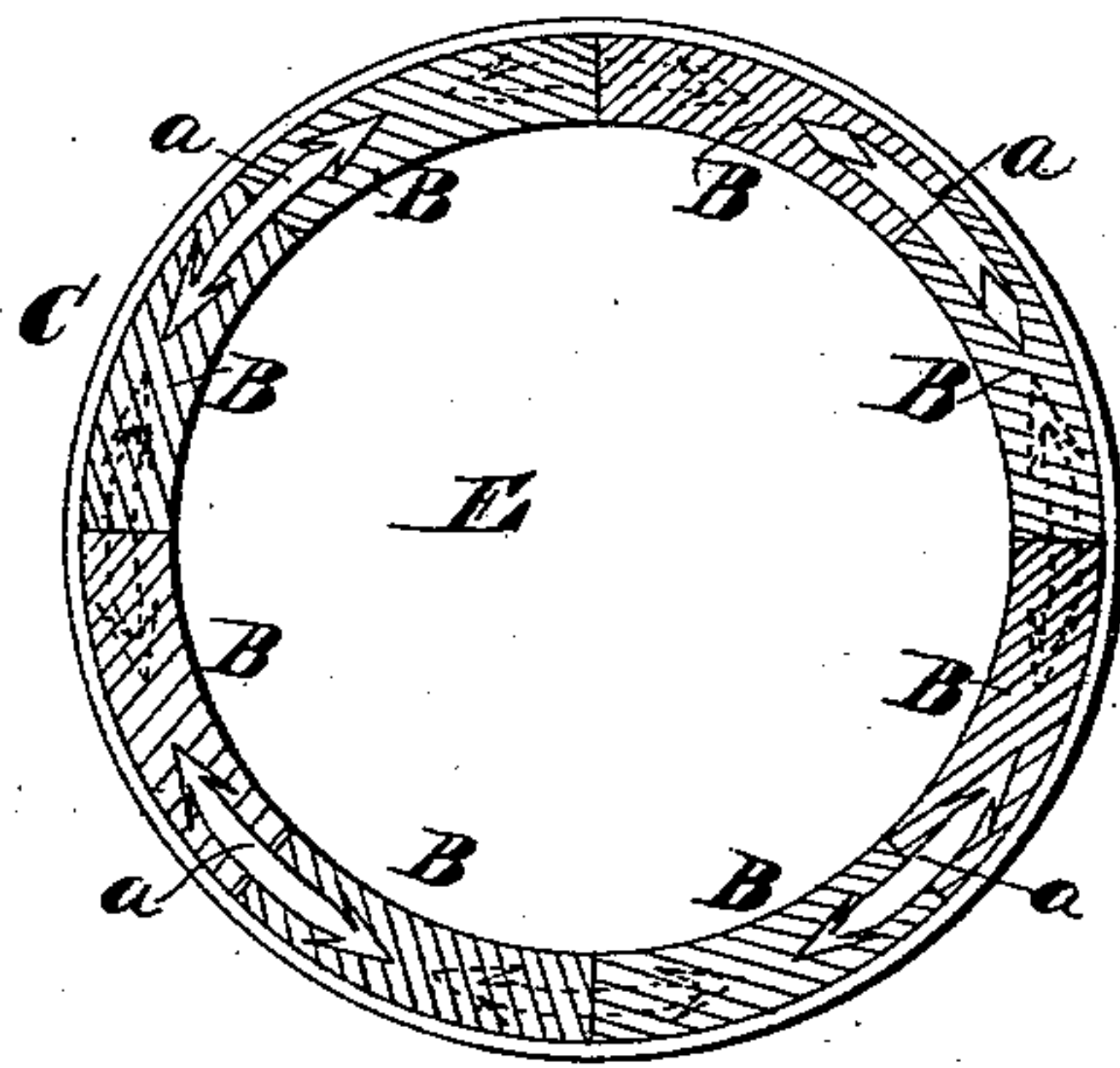


Fig: 3.

Witnesses:

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SAMUEL SHEA, OF CORRY, PENNSYLVANIA.

Letters Patent No. 61,690, dated January 29, 1867.

IMPROVEMENT IN BARRELS OR CASKS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, SAMUEL SHEA, of Corry, in the county of Erie, and State of Pennsylvania, have invented certain new and useful Improvements in Barrels or Tanks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

In the annexed drawings, A represents a barrel of the ordinary shape and made of any suitable size. This barrel is composed of a series of staves, B B B, with head, D, and bottom, E, and held together with the hoops C. My invention has for its objects, in the main, the construction of a barrel or tank with a less number of hoops than is now commonly used, and the formation of said barrel or tank in a more substantial manner. For these objects I construct a metallic dowel, *a*, of a slightly curved form, and form a "feather" on each end thereof. One of these dowels is passed in an opening made for that purpose in the edge of one of the staves B, and the other end of the dowel is passed in the opening in the adjoining stave, so that when the dowel is once inserted and connects the two staves they are held together by means of the "feathers" on the end. Each adjoining stave of the barrel is thus connected, as seen in Figure 3, and obviates the necessity of using but few hoops. In connecting the staves I may use one or more dowels by placing them at suitable distances apart, but in ordinary barrels I find the use of one quite sufficient. The head and bottom of the barrel, D and E, are made of thicker material than is common in the use thereof and form a flange, *x*, on the centre of their peripheries, which passes around the entire head and bottom. There is a groove made in the barrel for the insertion of the said flange, so when it is inserted there is a double shoulder formed thereby, which gives the barrel additional strength.

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

1. Securing the head and bottom, D and E, in the barrel by means of the flange *x* and groove, as herein described and for the purposes set forth.
2. Securing the staves of the barrel or tank together by means of the dowel *a*, feathered on both ends, in the manner as specified.

SAM'L SHEA.

Witnesses:

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J. M. MASON.