

(No Model.)

C. E. BRATT.
CYLINDRICAL CASK.

No. 503,575.

Patented Aug. 22, 1893.

Fig. 1.

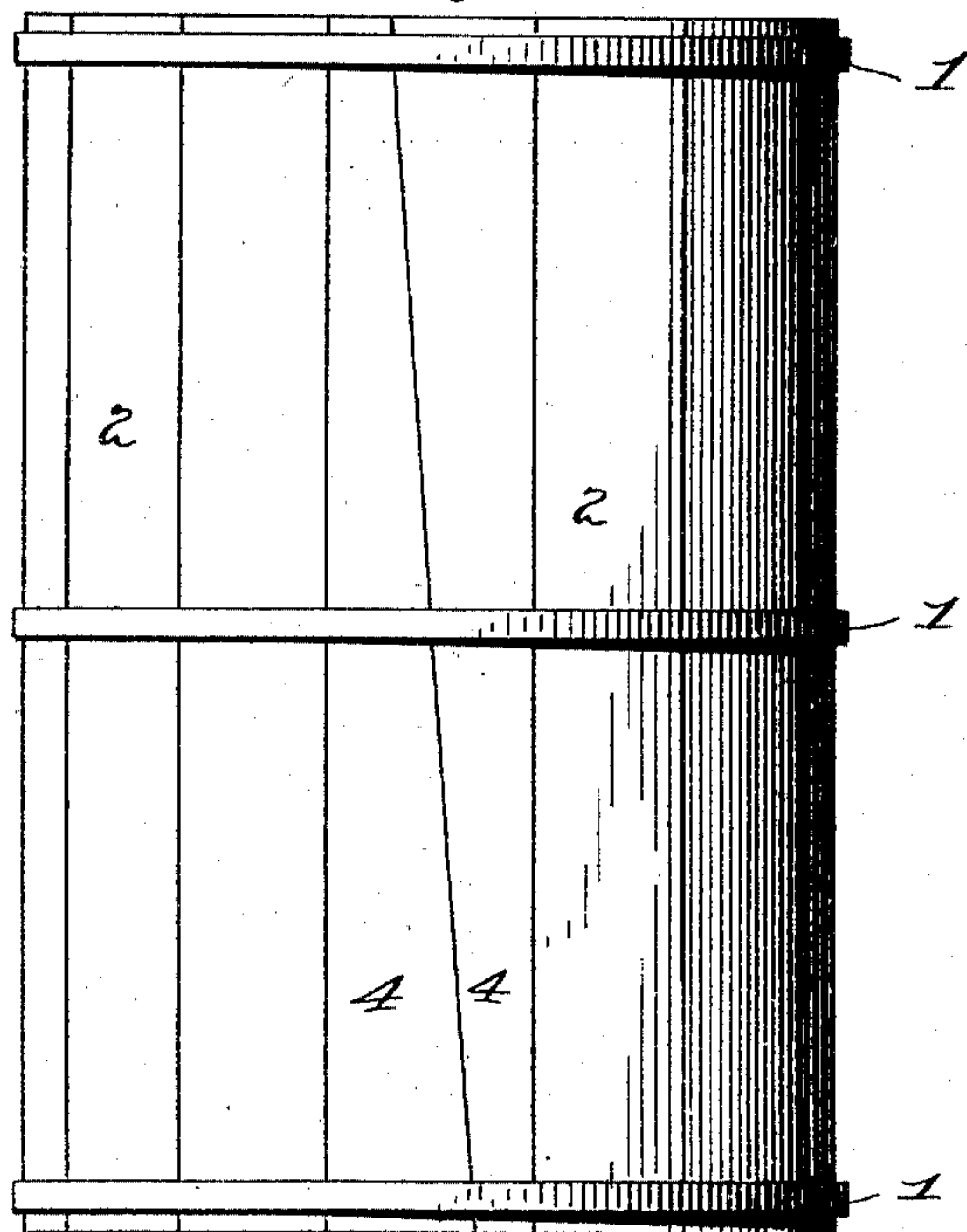
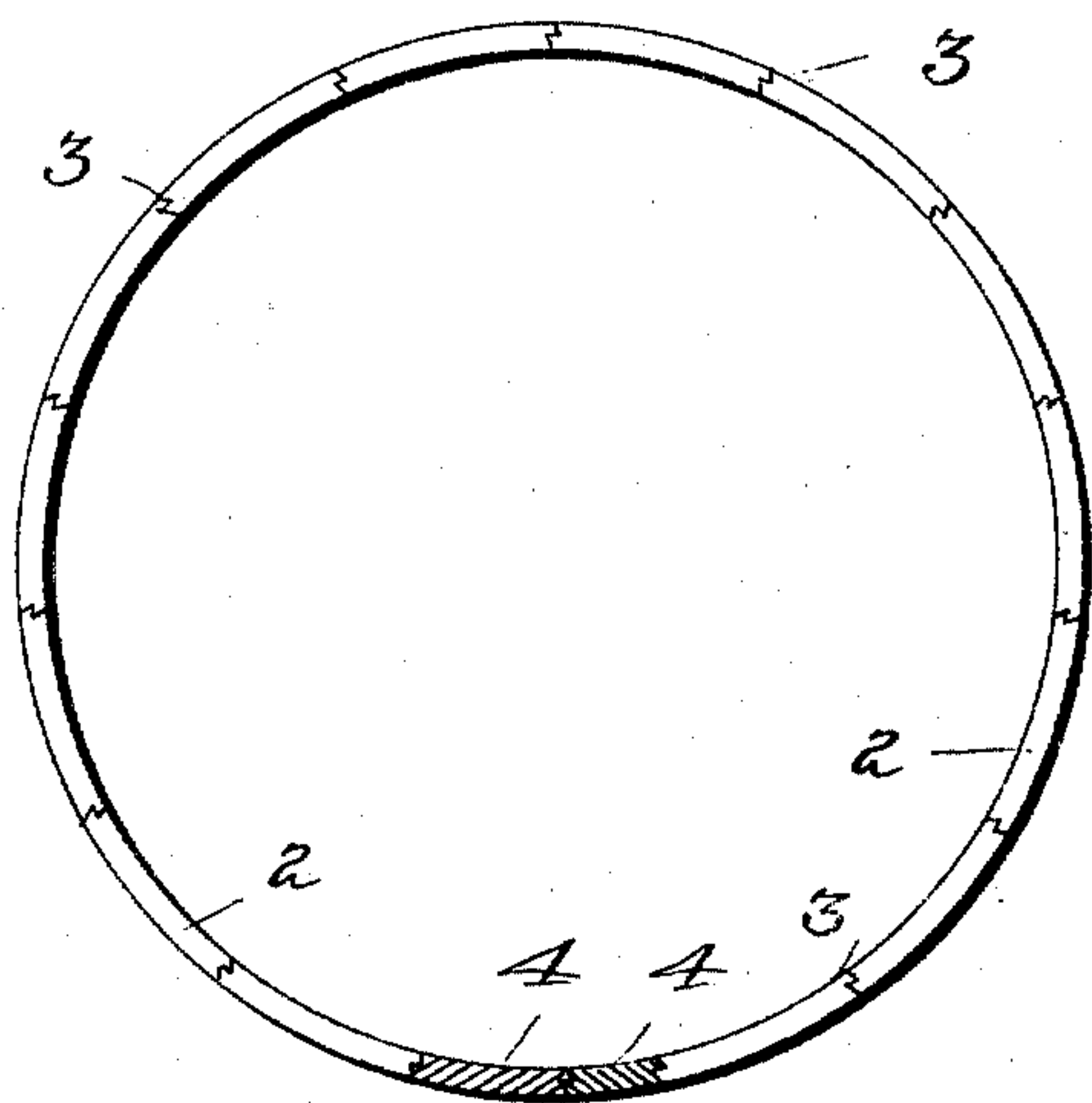


Fig. 2.



Attest
Walter Macdonald
J. L. Middleton

Inventor
Charles E. Bratt
by Richard H. C.
Att'y

UNITED STATES PATENT OFFICE.

CHARLES ELIS BRATT, OF STOCKHOLM, SWEDEN.

CYLINDRICAL CASK.

SPECIFICATION forming part of Letters Patent No. 503,575, dated August 22, 1893.

Application filed June 11, 1892. Serial No. 436,411. (No model.) Patented in Sweden July 28, 1891, No. 3,507.

To all whom it may concern:

Be it known that I, CHARLES ELIS BRATT, a subject of the King of Sweden and Norway, and a resident of Stockholm, in the Kingdom of Sweden, have invented a certain new and useful Improvement in Cylindrical Casks, (for which I have obtained a patent in Sweden, No. 3,507, bearing date of July 28, 1891,) of which the following is a specification.

10 It is the object of my invention to provide a cylindrical cask or barrel the parts of which may be readily put together or "knocked down" for packing or for return transportation.

15 It is my object to provide a cask which will be strong and simple and in which the greater part of the staves may be of any ordinary form.

20 In the drawings, Figure 1, is a side view of the cask as set up, and Fig. 2, is a plan view.

In the drawings the hoops are shown at 1, within which are placed the staves 2. These staves are of the same width throughout and they may be alike in all respects and of practically ordinary form.

25 In order to complete the cask and at the same time lock all the staves 2 (which have preferably tongue and grooved edges 3, Fig. 2)

together I use two wedge shaped staves 4, 4 the inclined edges 5, of which are in contact 30 as in Fig. 1 while the straight edges bear on the adjacent straight edges of the ordinary staves 2. The tapered ends of the staves are turned in opposite directions. By forcing these wedge shaped staves into proper position the wedging action will jam all the other 35 staves about the cask together so that their edges will interlock and thus form a complete tight and strong cask.

While I have shown a cylindrical cask I do not wish to limit myself strictly to this form.

I claim—

A cask consisting of a series of staves having parallel edges and two wedge shaped staves for locking all the staves in place and 45 forcing them tightly together, the tapered ends of said staves being turned in opposite directions and driven in between the other staves, substantially as described.

In witness whereof I have hereunto signed 50 my name in the presence of two subscribing witnesses.

CHARLES ELIS BRATT.

Witnesses:

SWENSEN SOLSTEIN,
OSCAR WINGE.