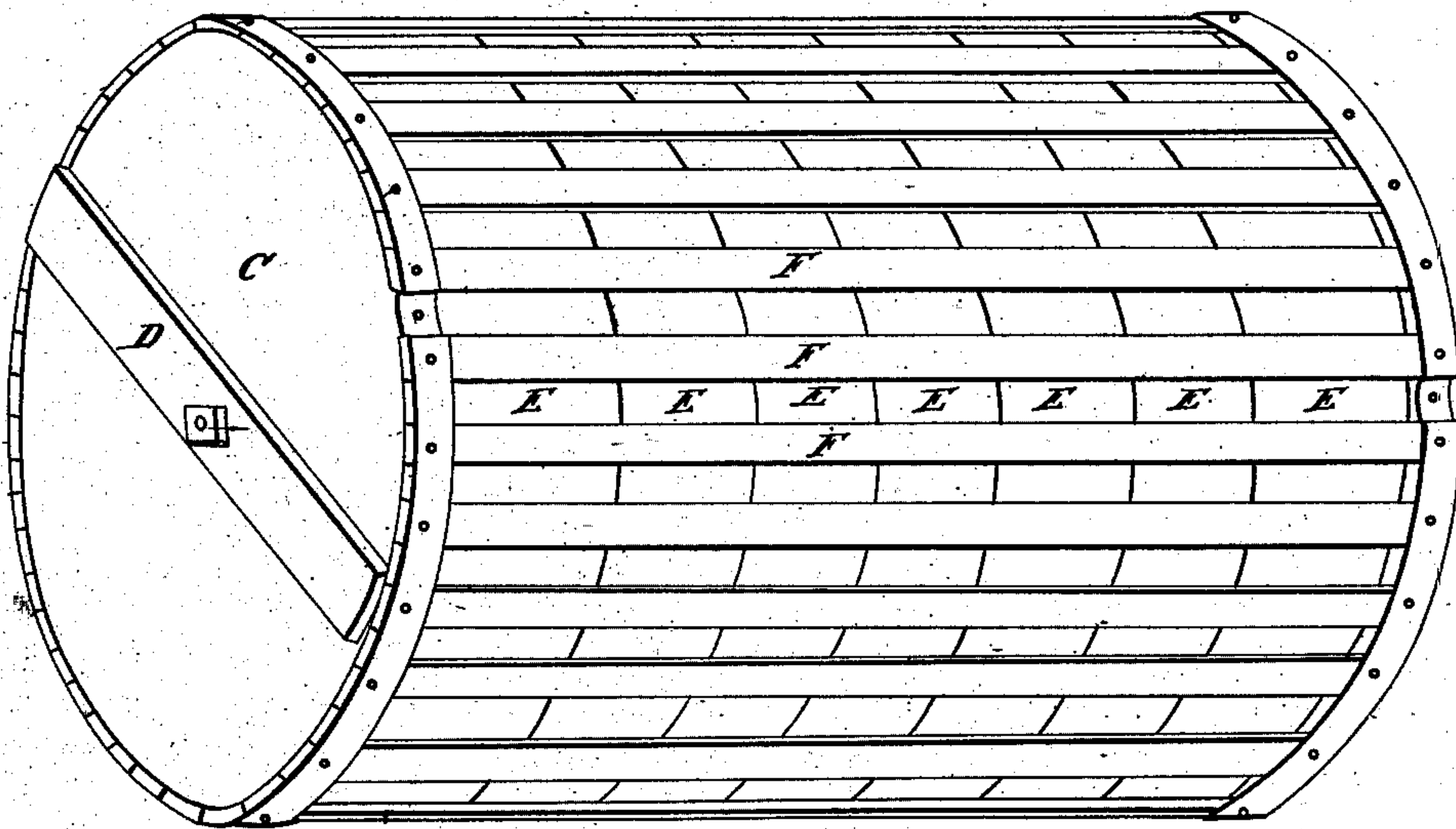


*F. M. Stearns,*  
*Packing Grindstones.*

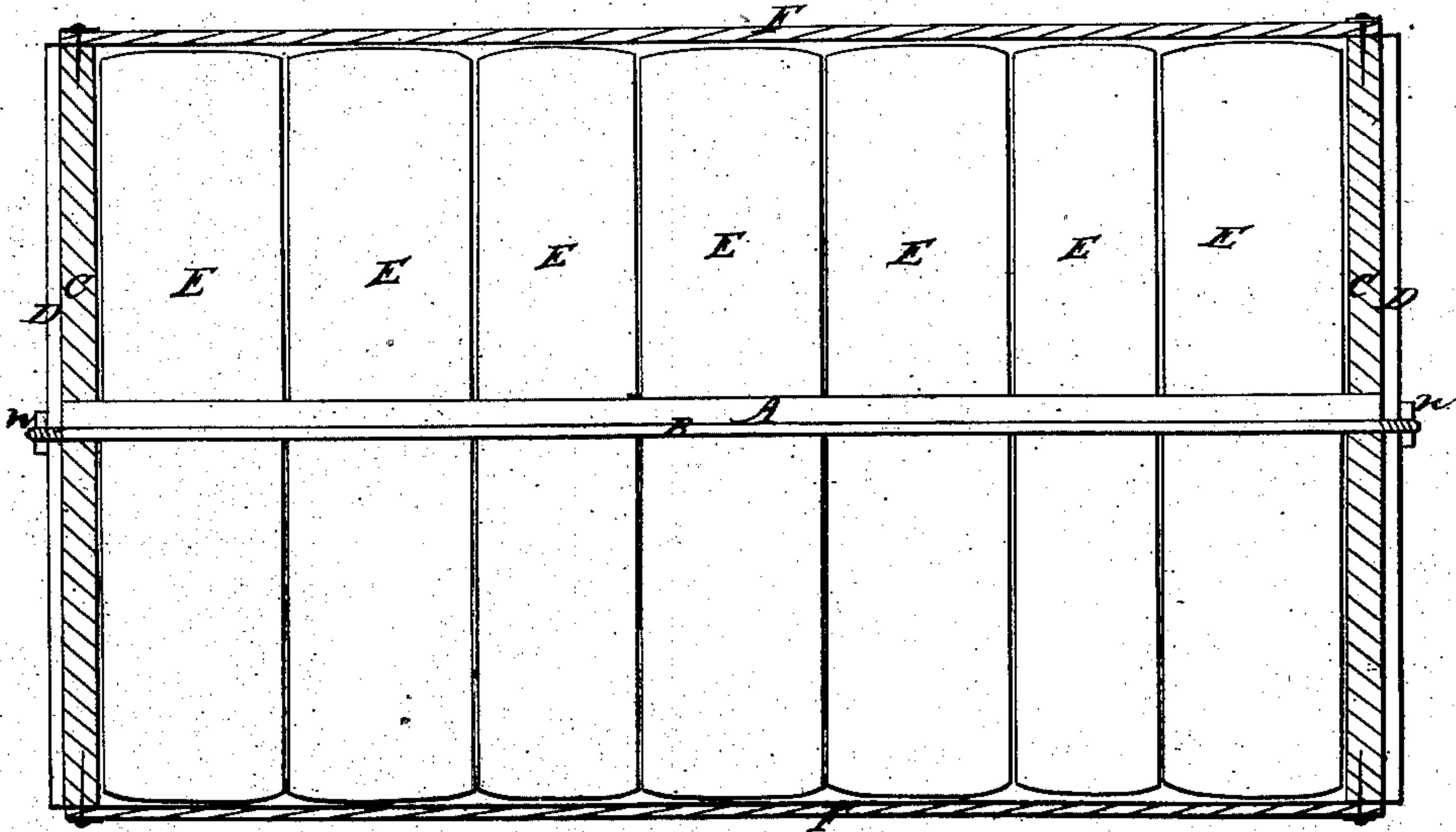
*N<sup>o</sup> 48,319.*

*Patented June 20, 1865.*

*Fig. 1.*



*Fig. 2.*



*Witnesses*  
*Geo. Hillis*  
*J. E. Williams*

*Inventor*  
*Frank M. Stearns*

# UNITED STATES PATENT OFFICE.

FRANK M. STEARNS, OF BERE A, OHIO.

## MODE OF PACKING GRINDSTONES.

Specification forming part of Letters Patent No. 48,319, dated June 20, 1865.

*To all whom it may concern:*

Be it known that I, FRANK M. STEARNS, of Berea, in the county of Cuyahoga and State of Ohio, have invented a new and Improved Mode of Packing Grindstones for Shipment; and I do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in nesting grindstones in the form of a barrel by providing a rod of iron and wood which passes through the eyes of the stones and is securely fastened to end boards or heads by nuts, and also having strips of wood fastened at intervals longitudinally around the outside of the nest and protected by bands of hoop-iron at each end, thus securing the stones from shaking about and preventing the liability of their being broken, and still are easily moved or rolled for transshipment.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

Figure 1 is a perspective view. Fig. 2 is a longitudinal half-section.

I make a rod of wood, A, with a groove along one side to admit a rod of iron, B, both of which are made to fit the eyes of the stones and about four feet and a half in length. I

make end boards or heads C a trifle larger around than the stones, with a hole in the center the same as the stones, and having a strip of wood, D, fastened across them and covering the hole, it having a hole large enough to let the rod B pass through only. I place stones of the same diameter together, as seen at E E E E, and pass the rods A and B through the eyes thereof, and then place the end boards or heads one at each end of the barrel thus formed. The iron rod being a little the longest passes through the strip D. Then a nut, n, is screwed on each end of the rod B, thus fastening the whole firmly together. I then nail the strips of wood F F F at each end to the periphery of each end board at intervals around the whole, protecting the ends by bands of hoop-iron, thus making a compact and perfectly secure package for shipment, and preventing the liability of the stones being damaged or broken.

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

The rods A and B, in combination with the end boards or heads, C C, in the manner described, and for the purpose set forth.

FRANK M. STEARNS.

Witnesses:

GEO. WILLEY,  
J. E. WILLIAMS.