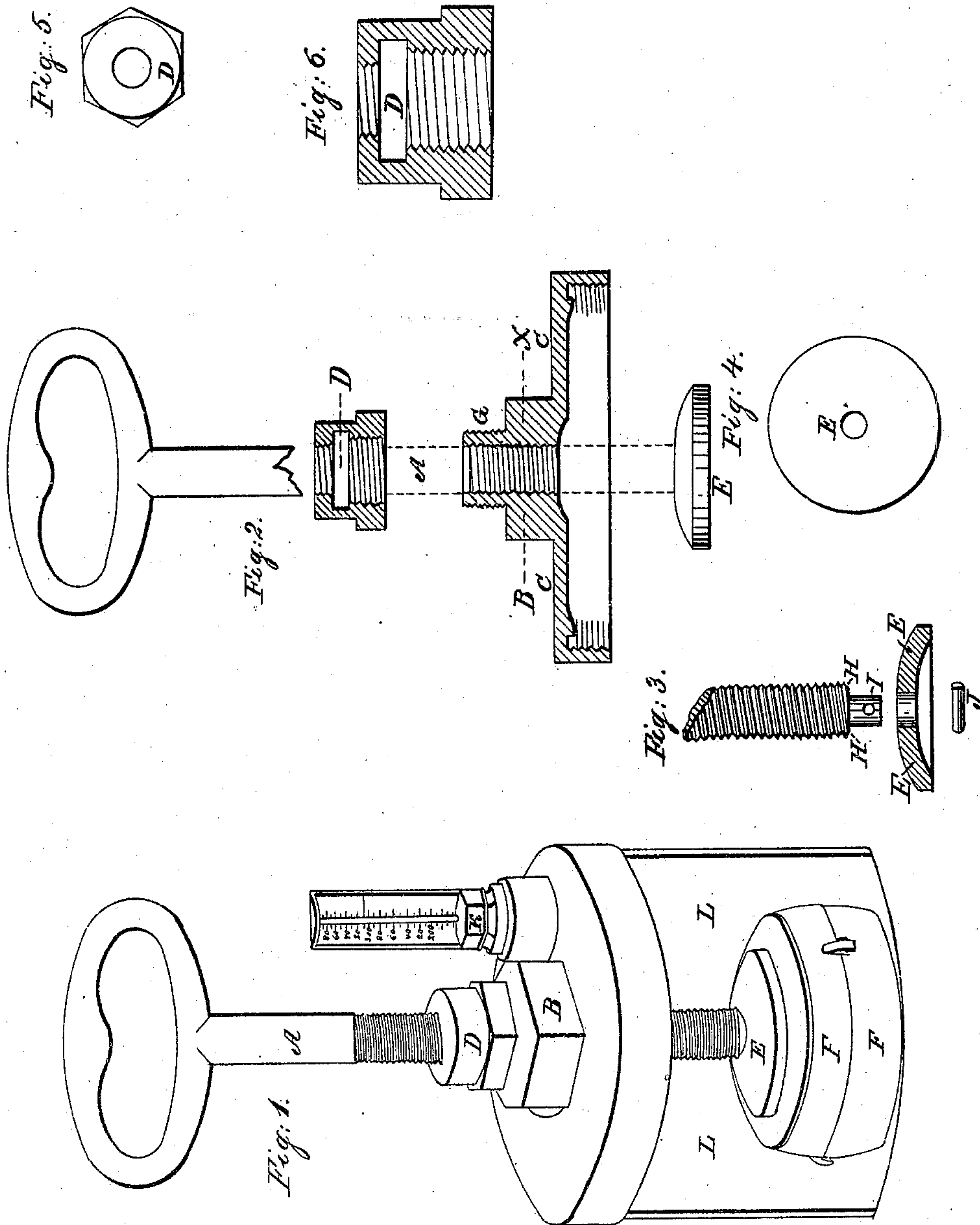


H. M. EDSON.  
Vulcanizing Apparatus.

No. 79,816.

Patented July 14, 1868.



WITNESSES:

John Adams,  
C. D. Fisher.

INVENTOR:

Horae Mr. Edson.

# United States Patent Office.

HORACE M. EDSON, OF MOUNT VERNON, OHIO.

*Letters Patent No. 79,816, dated July 14, 1868.*

## IMPROVEMENT IN CLOSING VULCANIZING FLASKS.

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

Be it known that I, HORACE M. EDSON, of Mount Vernon, in the county of Knox, and State of Ohio, have invented a new and useful Improvement in the Machinery for Closing the Flasks Inside of a Vulcanizer; and I do hereby declare the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification.

My invention consists of—

First, a screw, *a*, of brass, or other suitable metal, screwed down into an ordinary vulcanizer, through a nut, *b*, forming part of the top of the vulcanizer *c c*.

Second, a steam-tight packing-box, *d*, with a thread in the upper part of the same to fit the screw *a*, and through which the screw *a* passes before entering the nut *b* in the top of vulcanizer. In the centre of the box *d* the diameter of the opening is increased sufficient to admit the packing between the nut and the screw *a*, and the opening in the lower end of the box *d* is made of sufficient diameter to screw down over a hollow screw rising up from around the opening in the nut *b* in the top of the vulcanizer.

Third, a concave button, *e*, with a flat rim, and having a hole in the centre, is fitted, with the concave side down, on the point of the screw *a*, turned down and made round, and with a shoulder, *h*, and is kept on by a pin through the end of the screw *a*, below the button. The rim *i* of the button rests upon the upper flask *f*, and will remain stationary while closing the flasks *f f*, by turning the screw *a*.

By means of the above-described machinery, the flasks containing the rubber or other vulcanizing substance can be placed in the vulcanizer in cold water, and when the heat is applied, the steam-tight packing-box *d* prevents the steam from escaping around the screw *a*, and, by turning the screw *a* down upon the flasks, the flasks can be closed inside of the vulcanizer, at will, at any time, inside of the vulcanizing point, after the rubber or other vulcanizing-material becomes soft enough to admit of the closing of the flasks, and the process of vulcanizing the rubber or other material in the flasks will go on without interruption or delay from the beginning to the completion of the process.

### *Claim.*

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

The screw, of brass or other suitable metal, which, screwed down through a nut in the top of a vulcanizer, will close the flasks inside of the vulcanizer, as above described, and the steam-tight packing-box around the screw, to prevent the steam from escaping from the vulcanizer during the process of vulcanizing.

MAY 22, 1867.

Witnesses:

JOHN ADAMS,  
C. W. FISHER.

HORACE M. EDSON.