

(No Model.)

W. H. SUNDAY.
BARREL BUNG.

No. 409,713.

Patented Aug. 27, 1889.

Fig. 1.

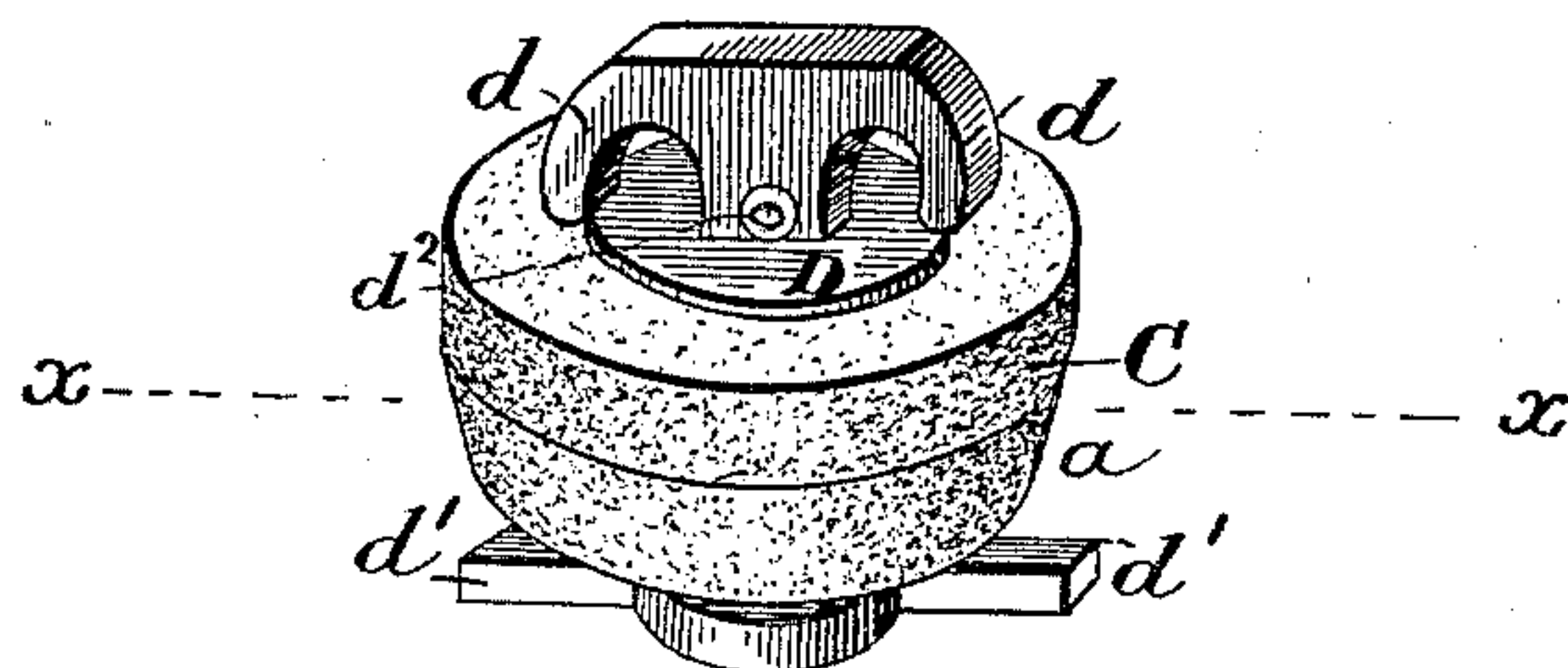


Fig. 2.

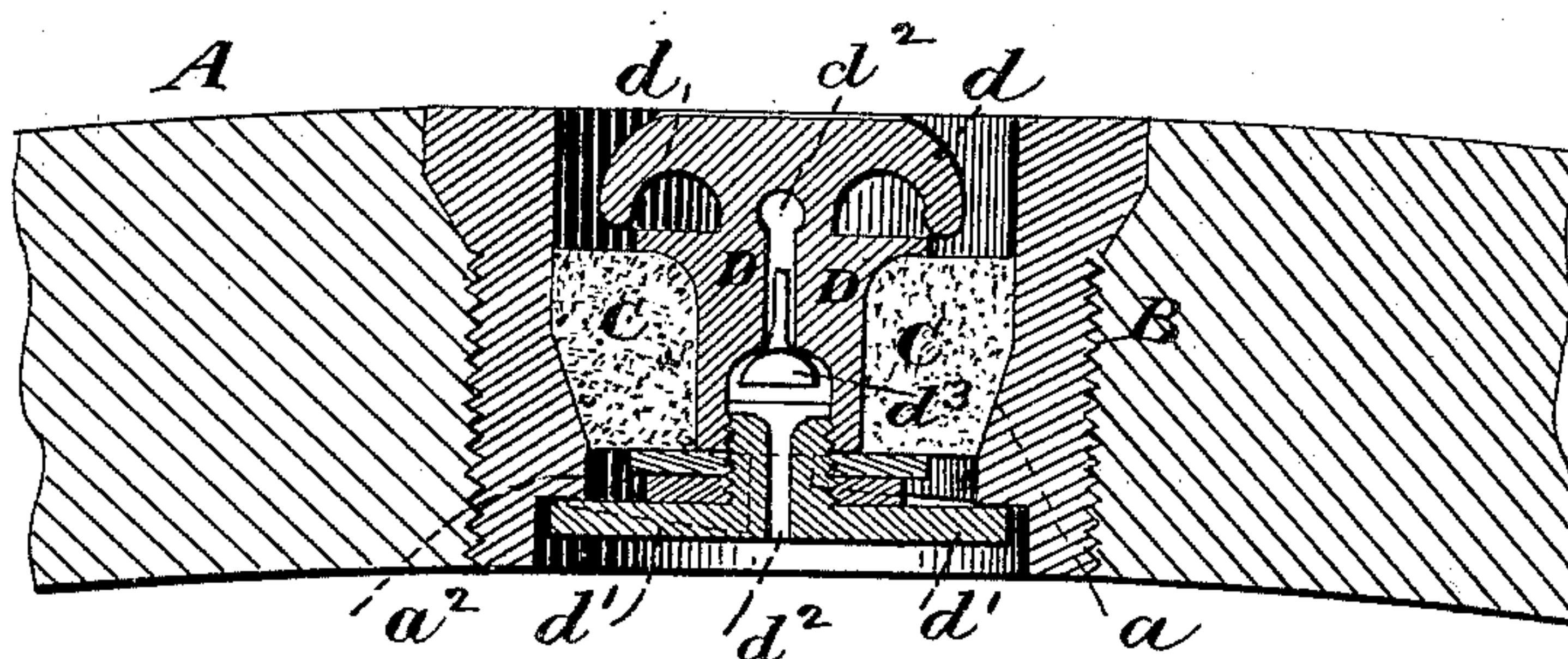
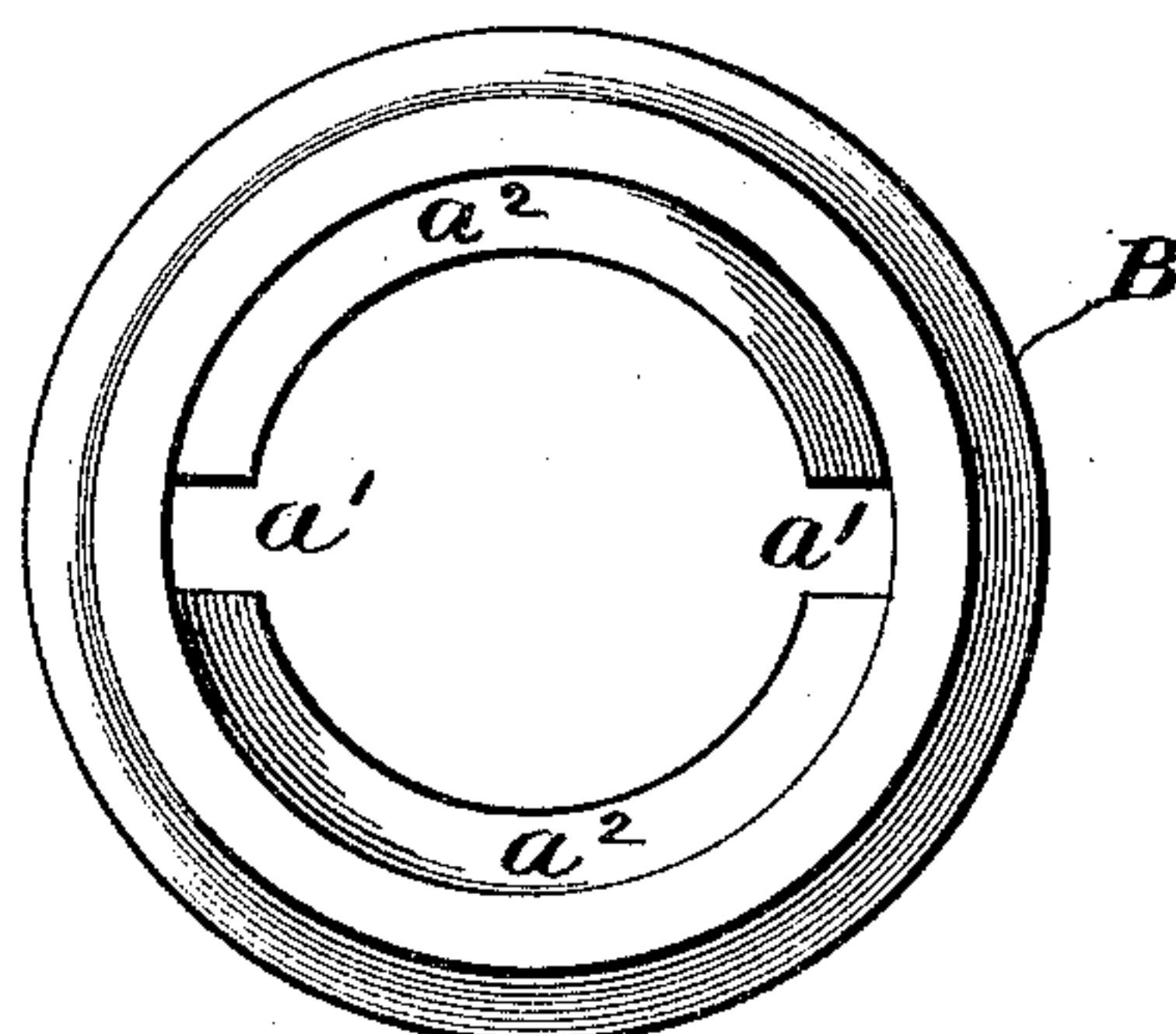


Fig. 3.



Witnesses.
A. Ruppert.
G. B. Fowler

Inventor.
William H. Sunday
Per
Thomas P. Munson
Atty

UNITED STATES PATENT OFFICE.

WILLIAM H. SUNDAY, OF SCRANTON, PENNSYLVANIA.

BARREL-BUNG.

SPECIFICATION forming part of Letters Patent No. 409,713, dated August 27, 1889.

Application filed June 1, 1889. Serial No. 312,851. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SUNDAY, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Bungs for Barrels, Kegs, or other Vessels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The special object of my invention is to make an elastic bung for barrels, kegs, or other vessels, as hereinafter fully described.

Figure 1 of the drawings is an elevation in perspective of my elastic valve provided with a central core. Fig. 2 is a vertical section on dotted line $x x$ of Fig. 1, showing it in connection with the bush; and Fig. 3 is a bottom view of the bush.

In the drawings, A represents part of a barrel, in which is secured the bush B.

C is my elastic bung, tapering downwardly and fitting the taper a of the bush B. The former has a core D, with two opposite wrench-arms $d d$ at the top, two opposite lock-arms $d' d'$ at the bottom, and the air-channel d^2 running down through its stem or body. The

arms $d' d'$ pass down through the vertical grooves $a' a'$, and are turned against the cams $a^2 a^2$, so as to lock the elastic bung B perfectly air-tight.

The air-channel d^2 is provided with a valve d^3 , which shuts out all air until a faucet or some other outlet is opened, when air is admitted, so as to allow the liquid to flow freely at the outlet.

A light spring may be used to hold up the valve d^3 , so that as soon as a vacuum is produced by drawing out any of the liquid in the barrel the valve will open and admit air.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A downwardly-tapering elastic bung C, combined with a bush downwardly tapering on the inside and having the opposite vertical grooves $a' a'$, and provided with the cams $a^2 a^2$, and the core D, having wrench-arms $d d$ at the top and arms $d' d'$ at the bottom, which are adapted to pass through the grooves $a' a'$ and engage the cams $a^2 a^2$, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

W. H. SUNDAY.

Witnesses:

JNO. J. PENSTER,
M. B. WHITFORD.