

(No Model.)

J. F. GUTHRIE, Jr.
NIPPLE HOLDER.

No. 406,834.

Patented July 9, 1889.

Fig. 1.

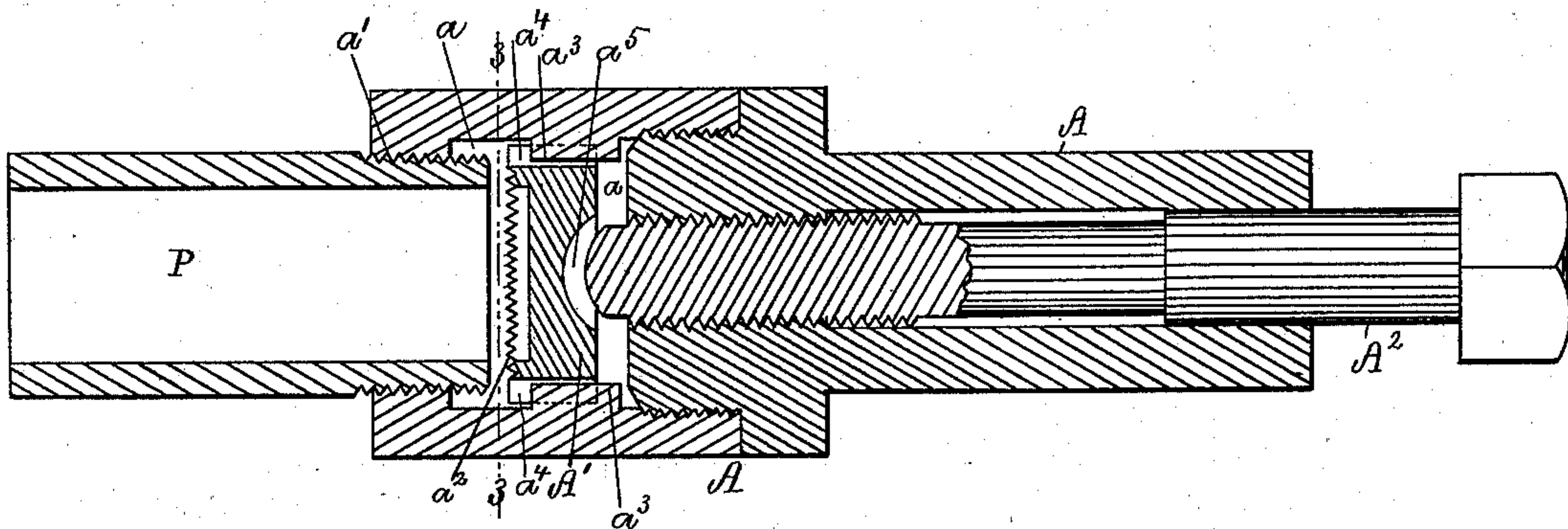


Fig. 2.

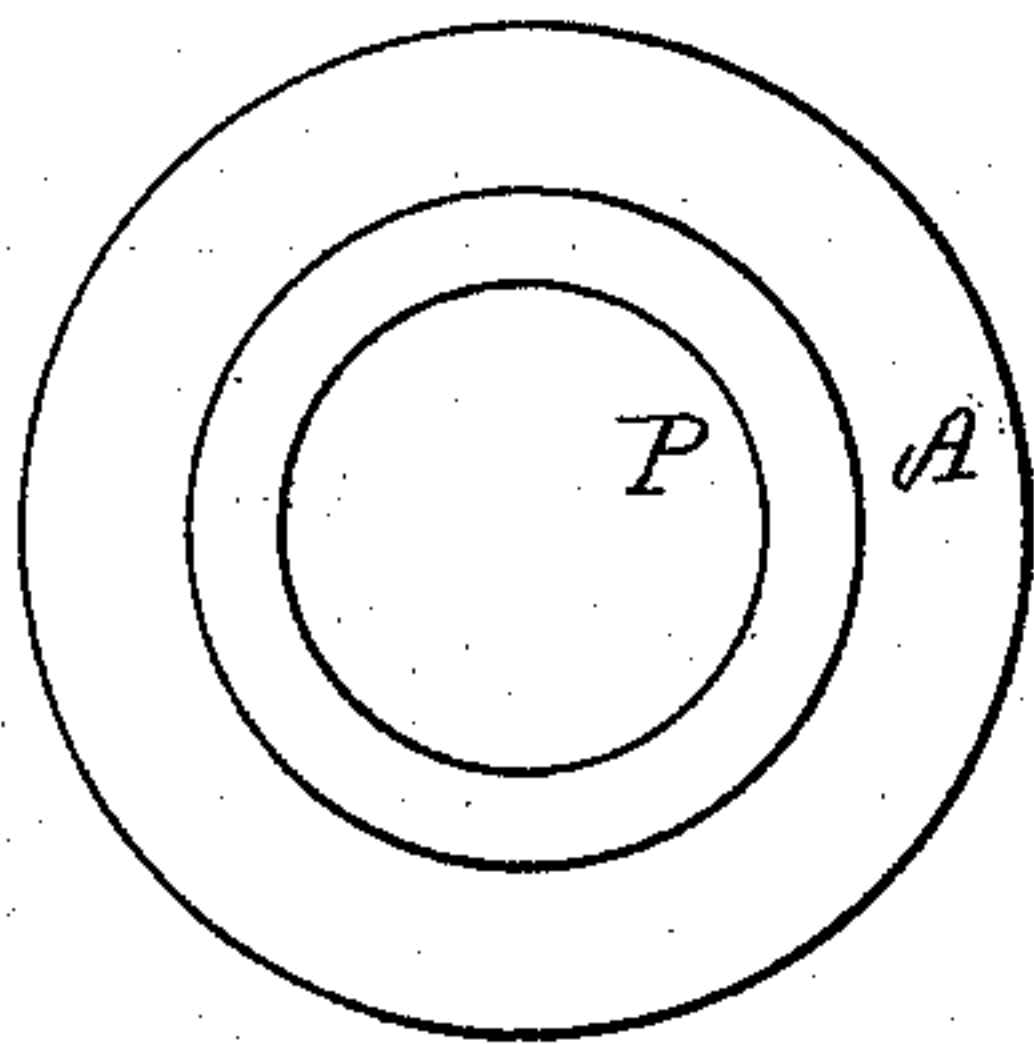


Fig. 3.

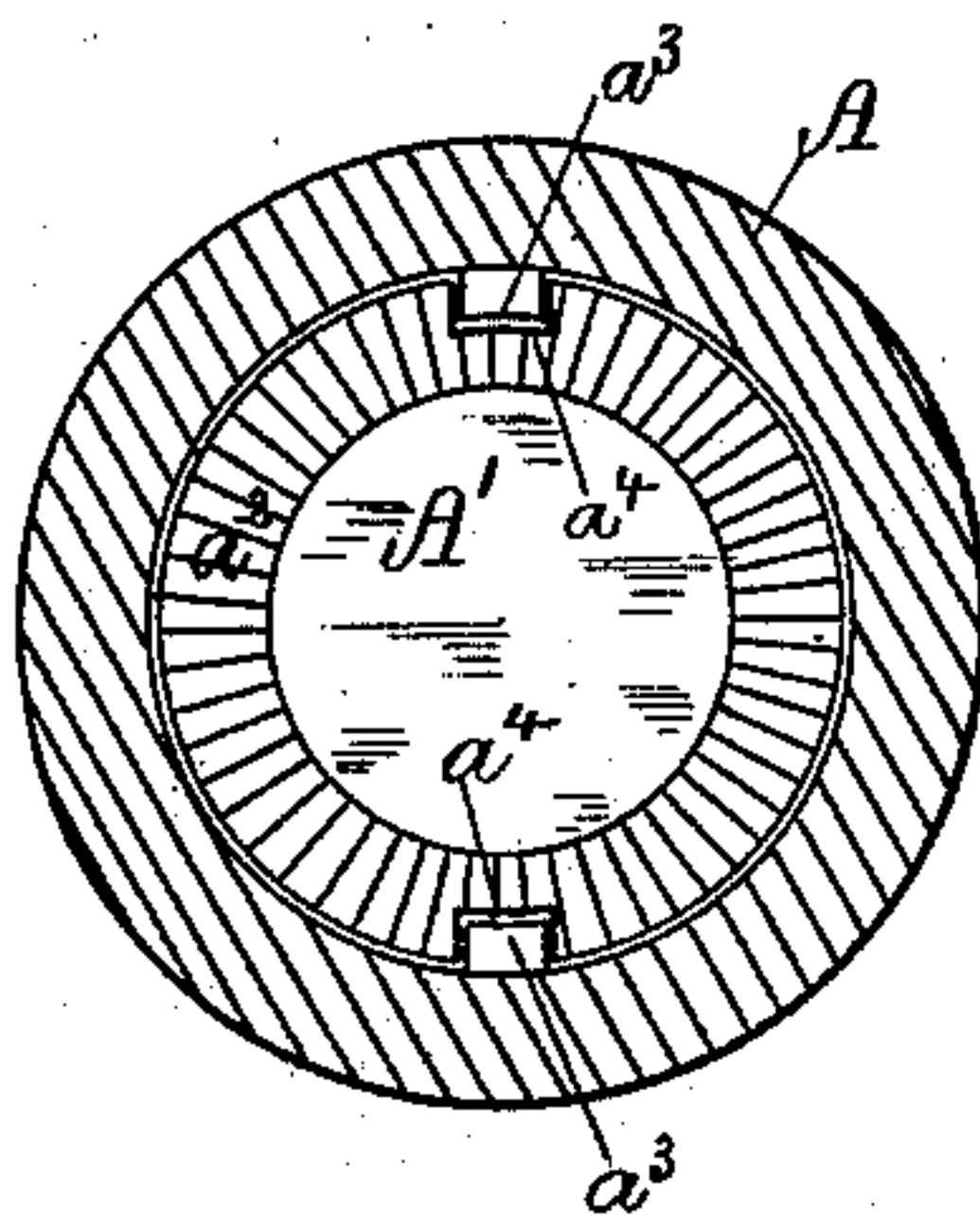


Fig. 4.

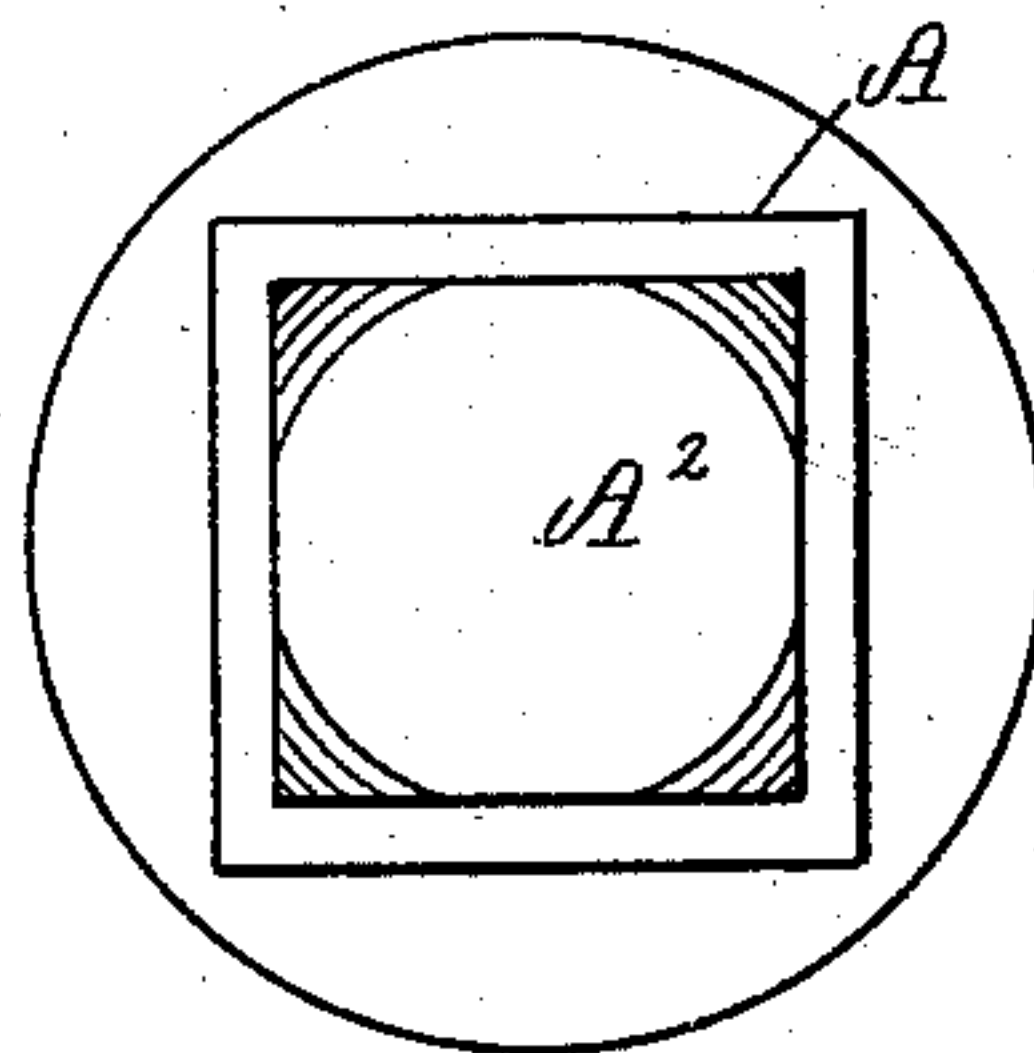


Fig. 5.

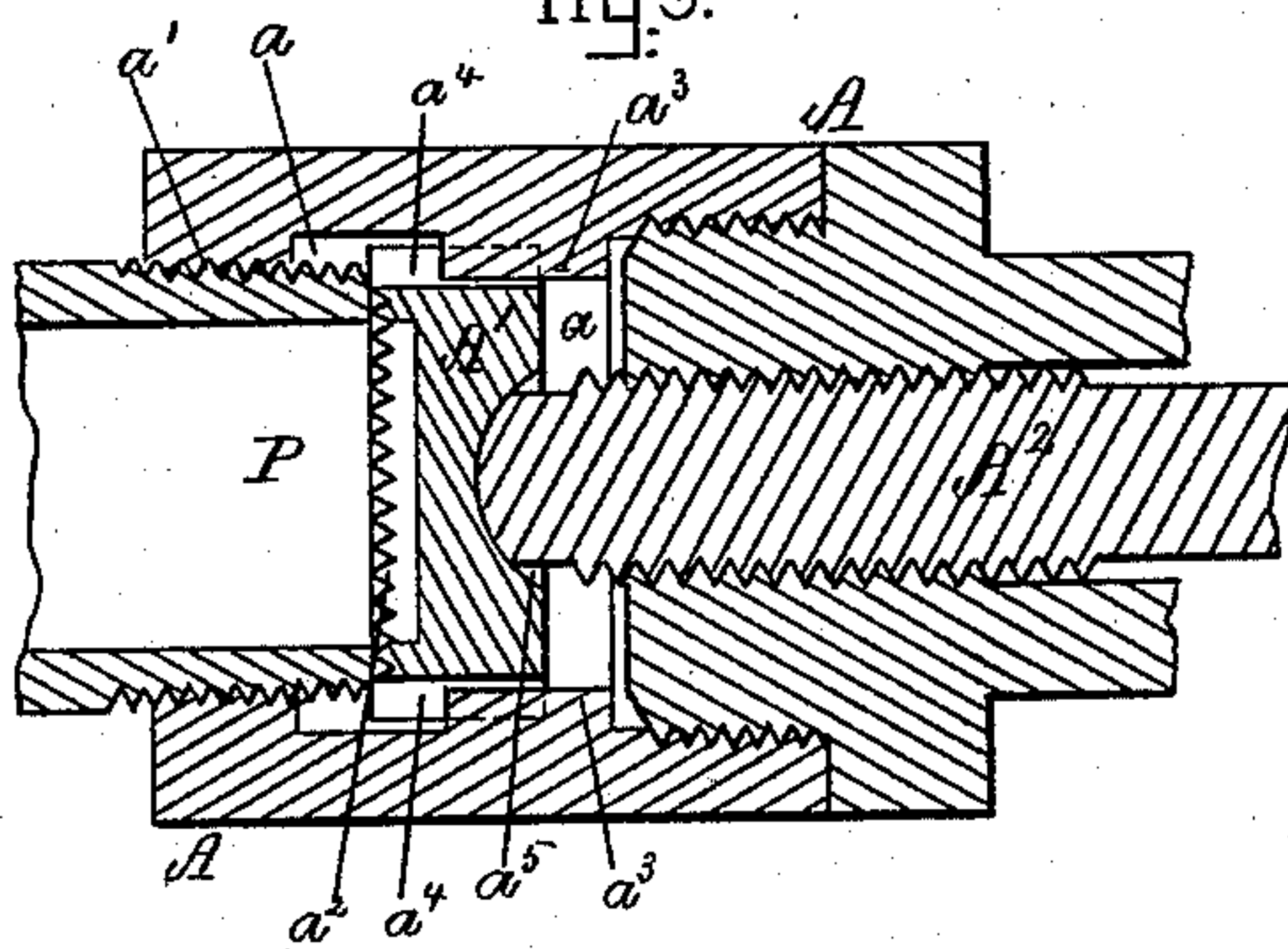
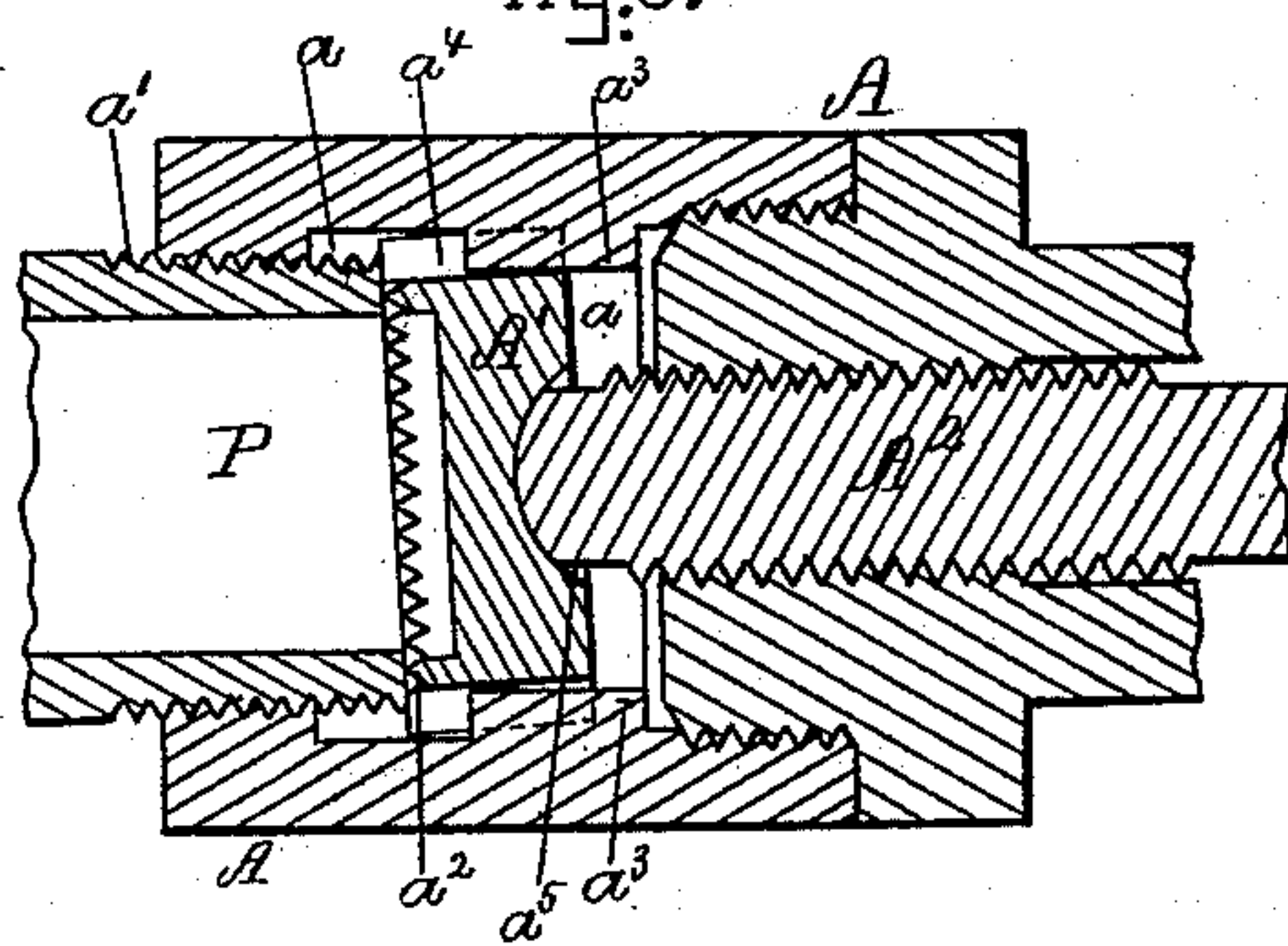


Fig. 6.



Witnesses.

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NIPPLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 406,834, dated July 9, 1889.

Application filed August 23, 1888. Serial No. 283,587. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. GUTHRIE, Jr., of Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Nipple-Holder, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal central section, and Figs. 2 and 4 are end views, of a holder embodying my invention. Fig. 3 is a section on line 3 3 of Fig. 1. Fig. 5 shows my device applied to a nipple whose inner end is "square," and Fig. 6 shows it applied to a nipple whose inner end is cut at an angle to its longitudinal axis.

My invention is a nipple-holder.

In the drawings, which show my invention embodied in the best way now known to me, holder A is chambered at a , the mouth of chamber a being interiorly threaded at a' . Chamber a contains the preferred means for gripping the end of the pipe or nipple P, and these preferred means consist of a sliding plate or holder A', provided with teeth a^2 and a set-screw A², mounted in holder A. The pipe P to be operated on is secured in the mouth of chamber a and held longitudinally by the thread a' . Holder A' is then set up against the inner end of the pipe, so as to force the teeth in the plate into the end of the pipe and to hold it from turning on its axis, the plate being held from turning, say, by ribs a^3 on the inner wall of the chamber entering grooves a^4 in the periphery of the plate.

A die is applied to the outer end of the nipple and the desired thread cut in a way that will be readily understood by all skilled in the art without further description, holder A being secured, say, in a vise while the die is operated.

A feature of my construction consists in making the holder so that it will adjust itself to the inner end of the nipple or pipe when the end is not square, (see Fig. 6,) and this is readily accomplished by making the plate of somewhat less diameter than the interior of the chamber and by rounding the inner end of the set-screw and forming the opposed surface of the plate with the concavity a^5 , as shown.

What I claim is—

Holder A, having a chamber a , provided with interior threads a' , in combination with a non-rotary auxiliary holder A', which is mounted in chamber a , is movable therein toward and away from the mouth thereof, and is provided with teeth a^2 , which project from the holder A' toward the mouth of the chamber a , and means, substantially such as described—for example, a set-screw A²—to force the toothed holder A' into engagement with the article to be operated on, substantially as and for the purpose set forth.

JAMES F. GUTHRIE, JR.

Witnesses:

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JOHN R. SNOW.