

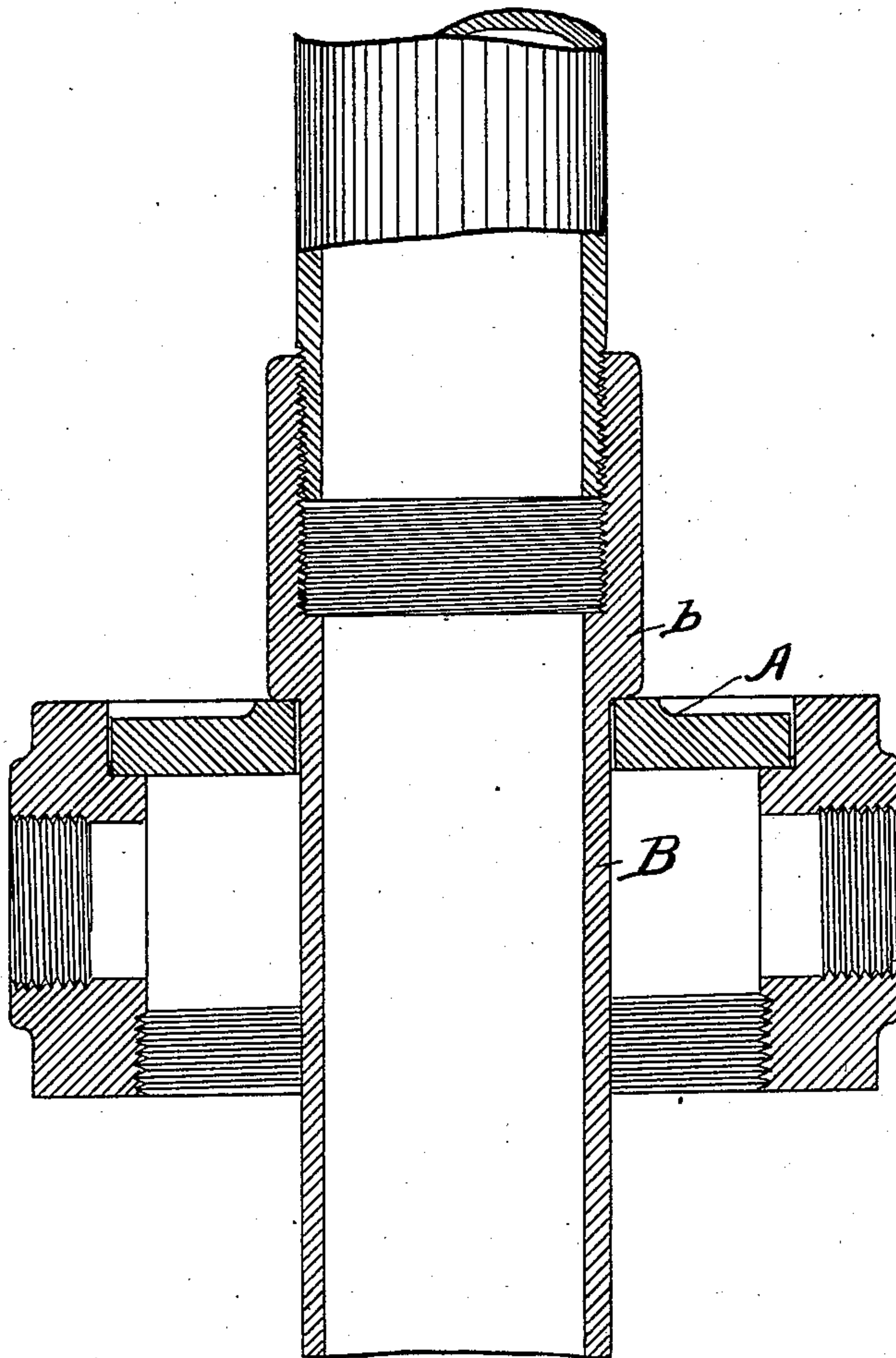
No. 730,664.

PATENTED JUNE 9, 1903.

M. J. KIRSCHNER.  
TUBING TOP.

APPLICATION FILED AUG. 9, 1902.

NO MODEL.



*Witnesses*  
Mrs. M. Lindon  
Margaret Sullivan

*Inventor*  
Michael J. Kirschner  
by *W. L. L.*  
his Atty.

## UNITED STATES PATENT OFFICE.

MICHAEL J. KIRSCHNER, OF OIL CITY, PENNSYLVANIA.

## TUBING-TOP.

SPECIFICATION forming part of Letters Patent No. 730,664, dated June 9, 1903.

Application filed August 9, 1902. Serial No. 119,014. (No model.)

*To all whom it may concern:*

Be it known that I, MICHAEL J. KIRSCHNER, a citizen of the United States, residing at Oil City, in the county of Armstrong and State of Pennsylvania, have invented new and useful Improvements in Tubing-Tops, of which the following is a specification.

This invention relates to tubing-tops; and it consists in certain improvements in the construction thereof, as will be hereinafter fully described, and pointed out in the claim.

The object of the invention is to provide a tubing-top with such a collar that it cannot be displaced by heat incident to fires or broken by the ordinary strains incident to falling derricks, &c.

As illustrated in the accompanying drawing, A marks the casing-head; B, the tubing; b, the tubing-top and collar. The tubing-top has the collar formed integrally with it. Where the collar is so formed it will readily be apparent that no amount of heat can so expand it as to separate it from the tubing. With the ordinary construction of separate collar for the tubing-top heat incident to fire often so expands the collar as to permit the tubing to separate from the collar and drop into the well. This of course occasions serious loss. My construction obviates this difficulty. It is also much stronger, and there is much less likelihood where used of dropping the tubing

as the result of falling derricks, &c., as the integral collar so strengthens the top of the tube and prevents its disengagement with the casing-head except on the breaking of the casing-head.

By the term "tubing" I wish to include pipes or tubing suspended in a well for any purpose.

It will be noted that the collar formed with the top extends with substantially its full diameter to the end of the tube. This makes it so much stronger than the stand-pipe that when the latter is subjected to strain it breaks rather than the tubing-top.

The collar at the upper end of the tubing-top is internally screw-threaded, as shown, and the stand-pipe is screwed into the collar.

What I claim as new is—

In combination with a casing-head, a tubing-top having an integral collar formed therewith, said collar extending to the end of the tubing-top and being provided with a screw-thread for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

MICHAEL J. KIRSCHNER.

Witnesses:

L. L. GRAHAM,  
F. V. MALLERY.