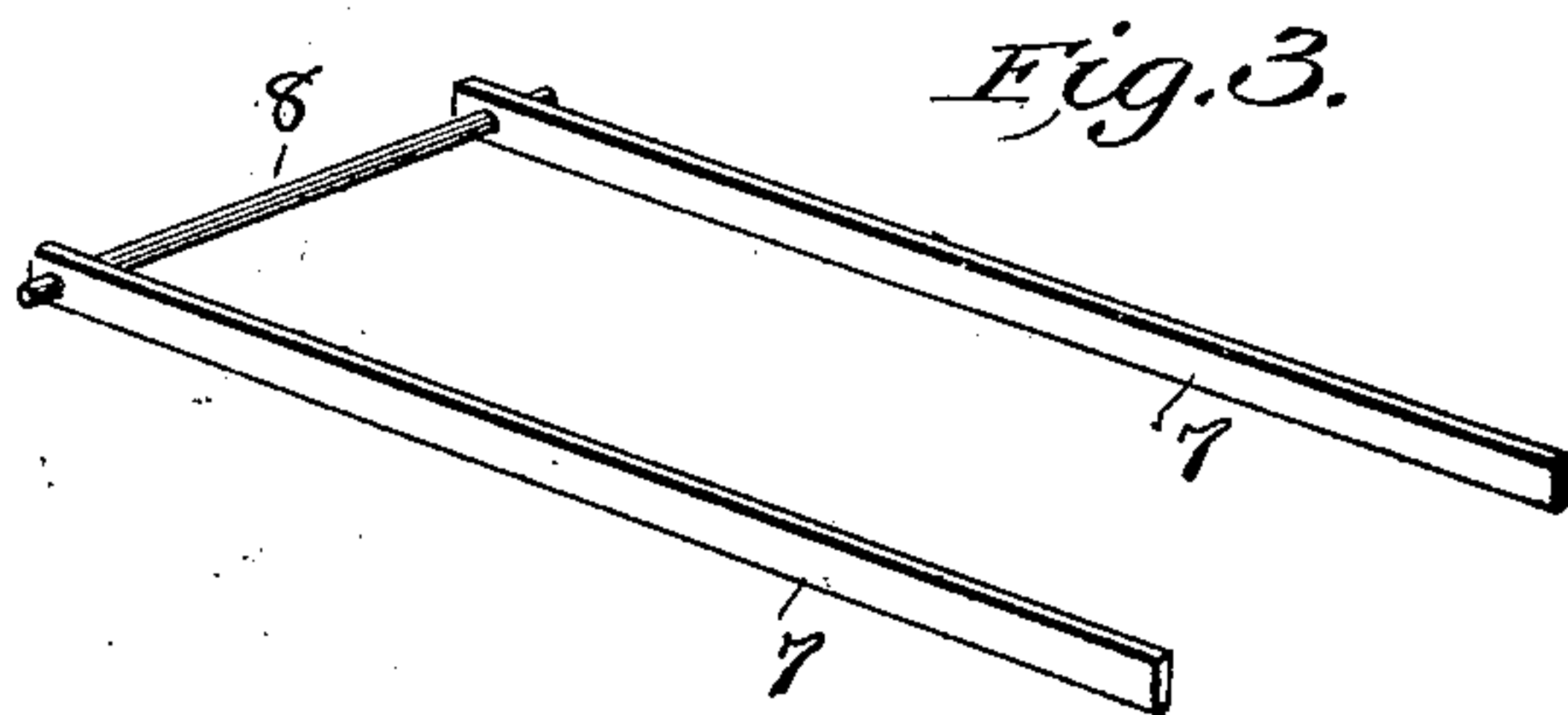
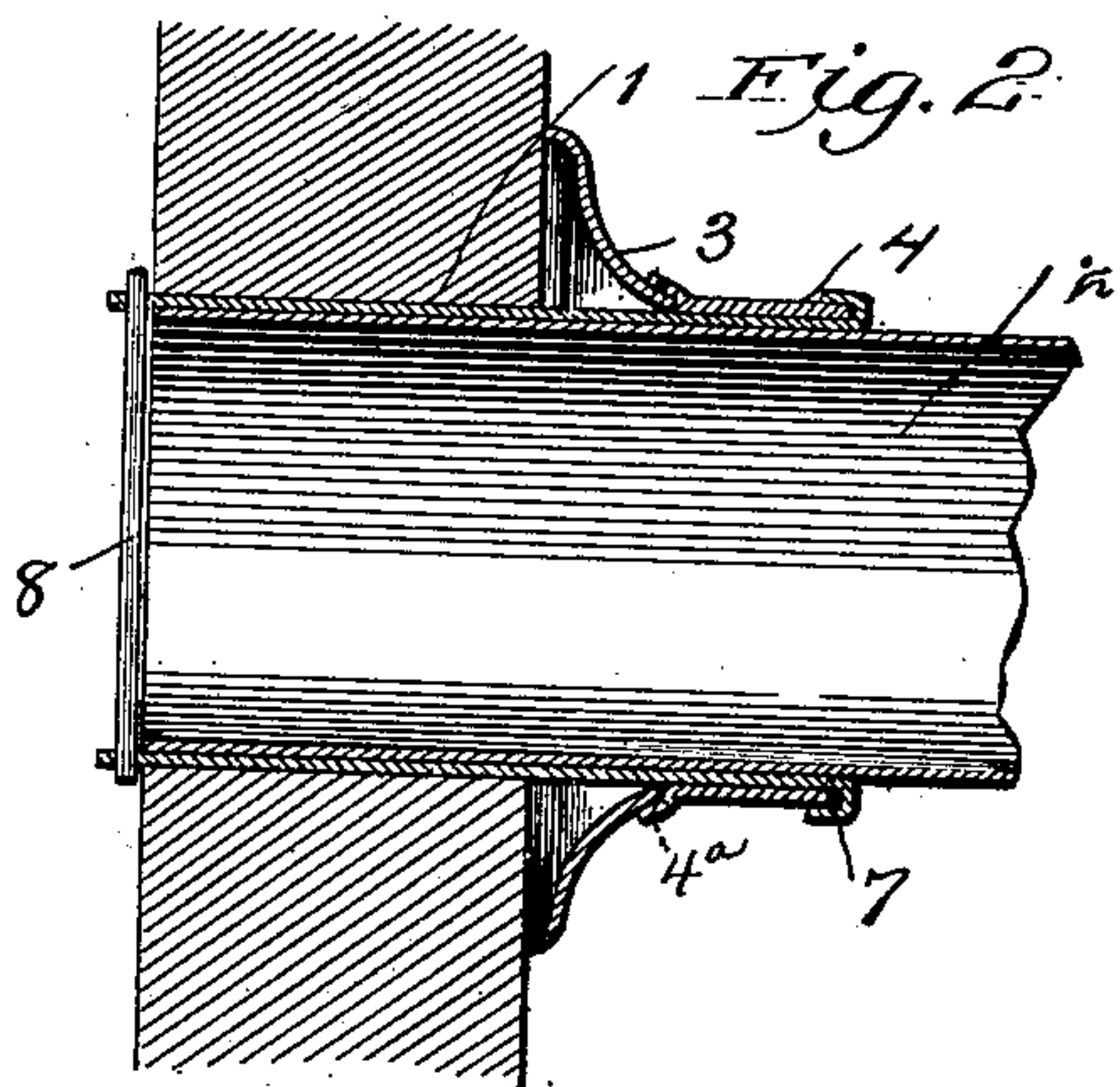
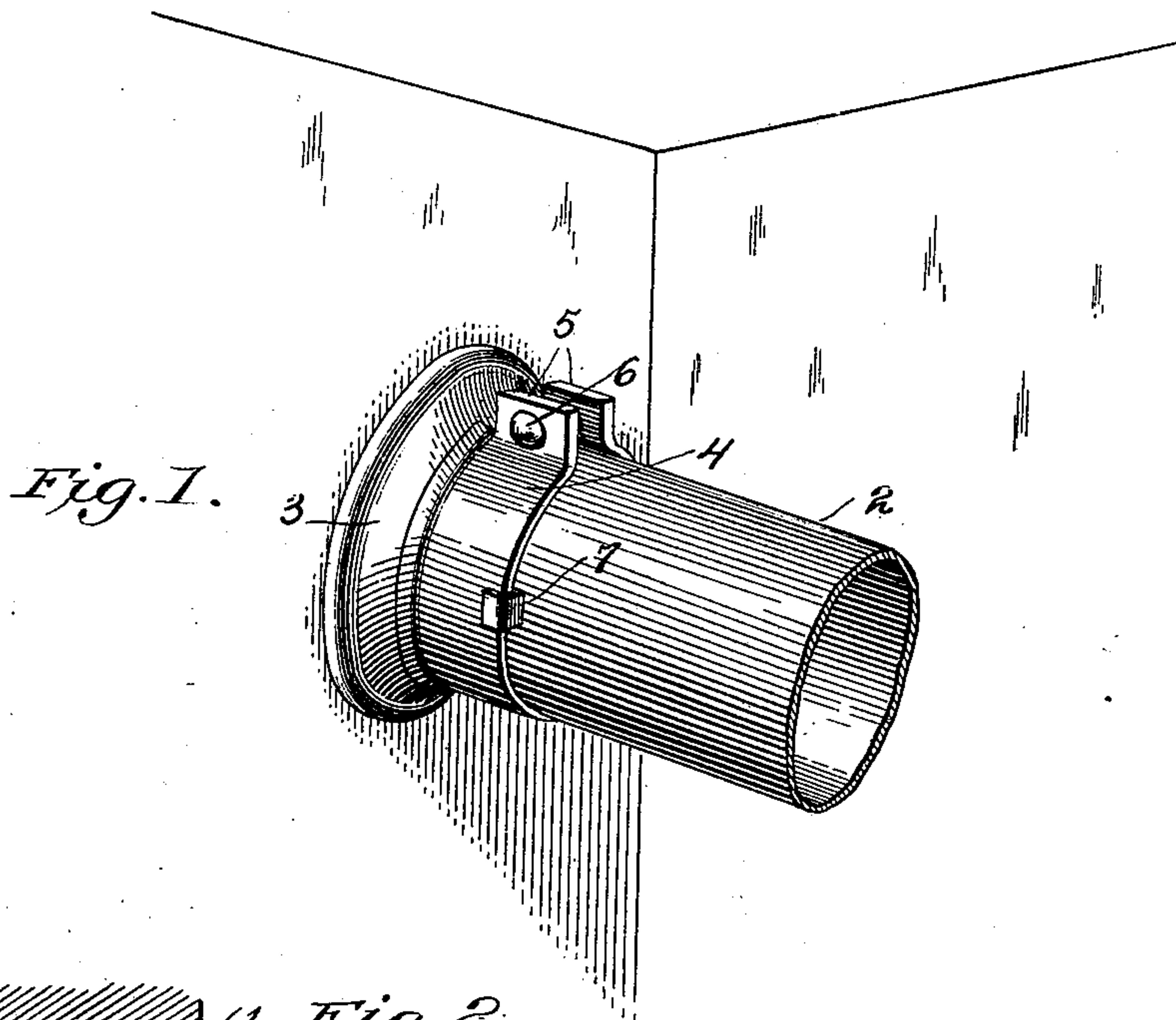


No. 646,881.

Patented Apr. 3, 1900.

D. W. SMITH.  
STOVEPIPE FASTENER.  
(Application filed Apr. 28, 1899.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

DAVID W. SMITH, OF SMITHTON, MISSOURI.

## STOVEPIPE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 646,881, dated April 3, 1900.

Application filed April 28, 1899. Serial No. 714,859. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID W. SMITH, a citizen of the United States, residing at Smithton, in the county of Pettis and State of Missouri, have invented certain new and useful Improvements in Stovepipe-Fasteners; and I do hereby 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.

This invention relates to stovepipe-fasteners of that character designed to hold pipes firmly in chimney-flues; and the intention of the present construction is to dispense with suspending or holding wires or analogous devices employed in some instances for maintaining the adjustment and retention of a stovepipe in a desired position and avoid the disfigurement of walls or inside wood-work through the use of driven nails or other means of attachment of the wires and replace such mode of securement by devices directly applied to the pipe adjacent the chimney-flue, in part entering the flue-opening and so arranged that the inserted end of the pipe will be prevented from moving after the several parts are secured, and thereby insure a uniform draft and also obviate entrance of dust from the flue into a room or compartment.

The invention, generally stated, consists of a collar intimately related to a clamping-band and locking-straps held closely to the stovepipe by said band and having a rear connection extending across the end of the pipe within the flue to serve as a rear limit or stop and act conjunctively with the collar and band to removably secure the pipe in a predetermined manner in the flue-opening.

The invention further consists of the details of construction and arrangement of parts hereinafter more fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a stovepipe-fastening embodying the invention and shown applied. Fig. 2 is a longitudinal vertical section of the device as shown by Fig. 1. Fig. 3 is a detail perspective view of the locking-straps and the rear fastening therefor.

Like characters of reference are employed to indicate corresponding parts of the several views.

Referring to the drawings, the numeral 1

designates a flue-opening constructed, as clearly shown in Fig. 2, and adapted to receive a stovepipe 2 or analogous conduit. As shown by Figs. 1 and 2, a collar 3 of well-known form is employed and surrounds the flue-opening 1 and the pipe 2. Adjacent the contracted portion of the said collar 3 a clamping-band 4 is located, provided with angularly-bent ends 5, which receive a clamping bolt or pin 6. The inner end of the band 4 is flared to form an annular shoulder 4<sup>a</sup>, which overlaps the collar 3. Between the clamping-band 4, the collar 3, and the pipe 2 locking-straps 7 are positioned and bear closely against said pipe 2, being united at the rear ends within the chimney-flue and close to the inner termination of the flue-opening 1 by a pin 8, which projects sufficiently beyond each of said straps as to form a stop to prevent withdrawal of this part of the device.

In assembling the parts described the straps 7 are first pushed into the flue-opening 1 and suitably connected by the rod 8. The pipe or other conduit 2 is then shoved into place, as shown by Fig. 2, the collar 3 slipped over the pipe, and straps and the clamping-band 4 then tightly drawn around all the parts and secured against expansion by means of the bolts 6. After these parts are so arranged the projecting ends of the straps 7 are upset over the adjacent edge and at opposite points of the clamping-band 4. It will be observed that the clamping-band 4 braces against the edge of the reduced portion of the collar 3, which serves as a stop, and by the use of the rod 8 and through the medium of upsetting the ends of the straps over the adjacent portion of the clamping-band the pipe or conduit 2 is immovably held and a tight joint is inserted, as the said straps are not thick enough to leave a material opening or crevice between the pipe or conduit and the wall of the flue-opening, being preferably formed of sheet metal sufficiently strong to serve the purpose of a fastening.

This form of fastening may be applied to any kind of pipe or conduit and used for other purposes where it is found convenient, and to accommodate various forms of applications changes in the minor details of construction, as well as the proportion and dimensions, may be resorted to without in the least departing

from the nature or spirit of the invention or sacrificing any of the advantages thereof.

Having thus described the invention, what is claimed as new is—

5 The combination with a stovepipe, and a collar surrounding the same, of a clamping-band flared at its inner end to form a shoulder which overlaps the collar; a bolt for securing the ends of the clamping-band; straps  
10 arranged on the outer side of the pipe at diametrically - opposite points and extending through the opening in which the pipe is in-

serted, and having their outer ends bent to engage the clamping-band; and a rod securing the inner ends of the straps, said rod projecting beyond the straps to form stops, and  
15 serving to hold the overlapping shoulder of the band in close connection with the collar.

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

DAVID W. SMITH.

Witnesses:

JAMES P. HOOK,  
H. HOFFMAN.