

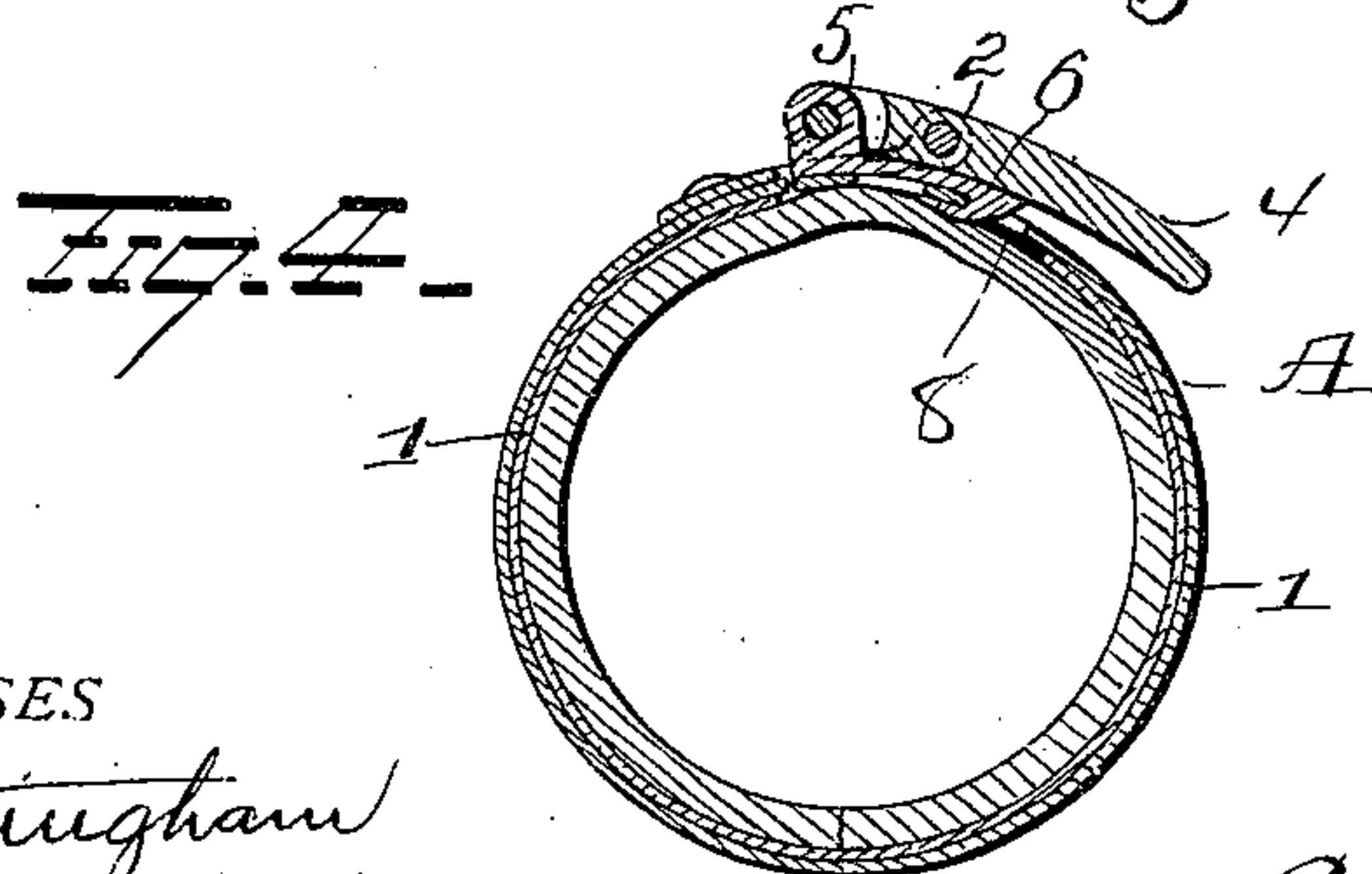
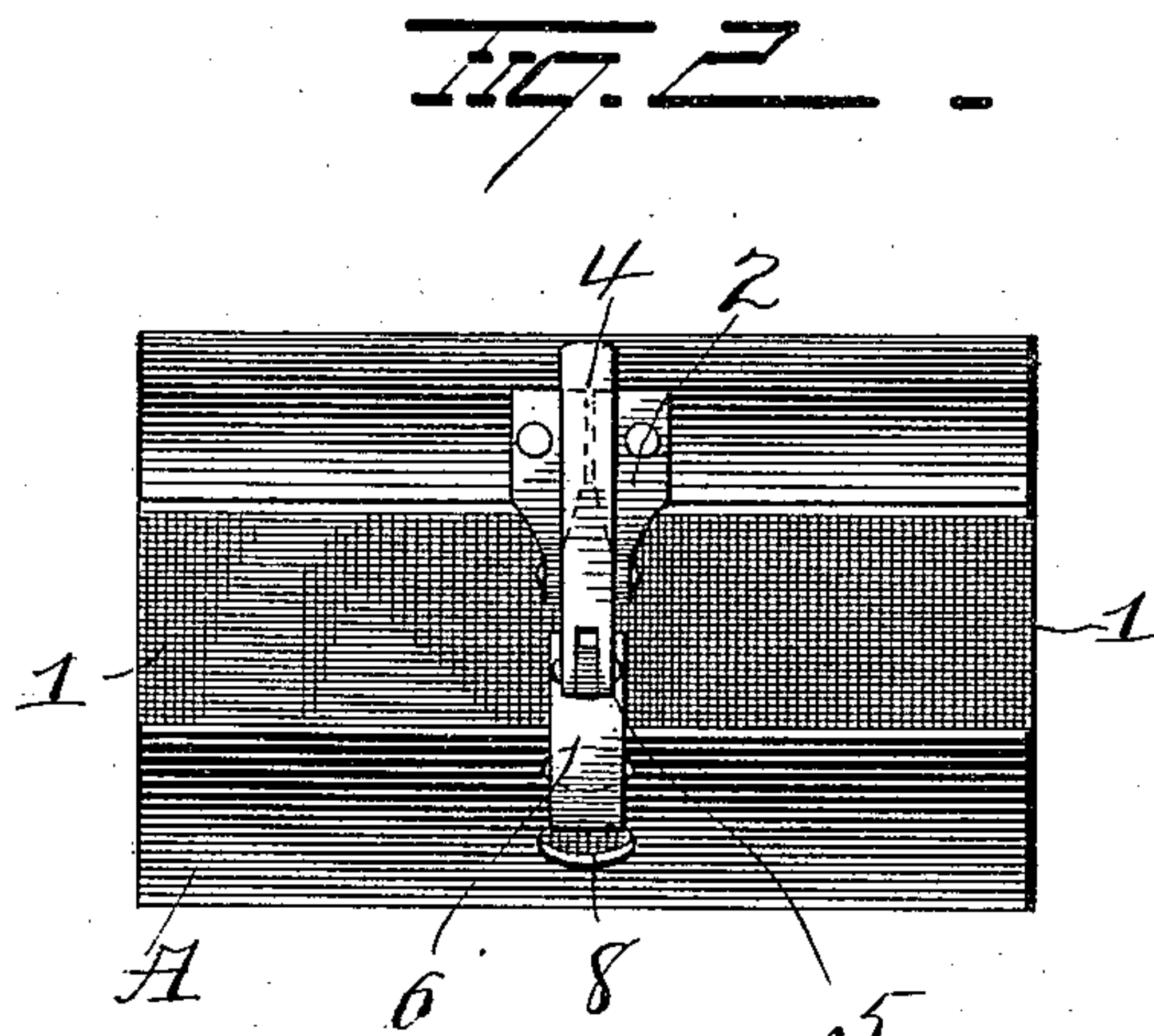
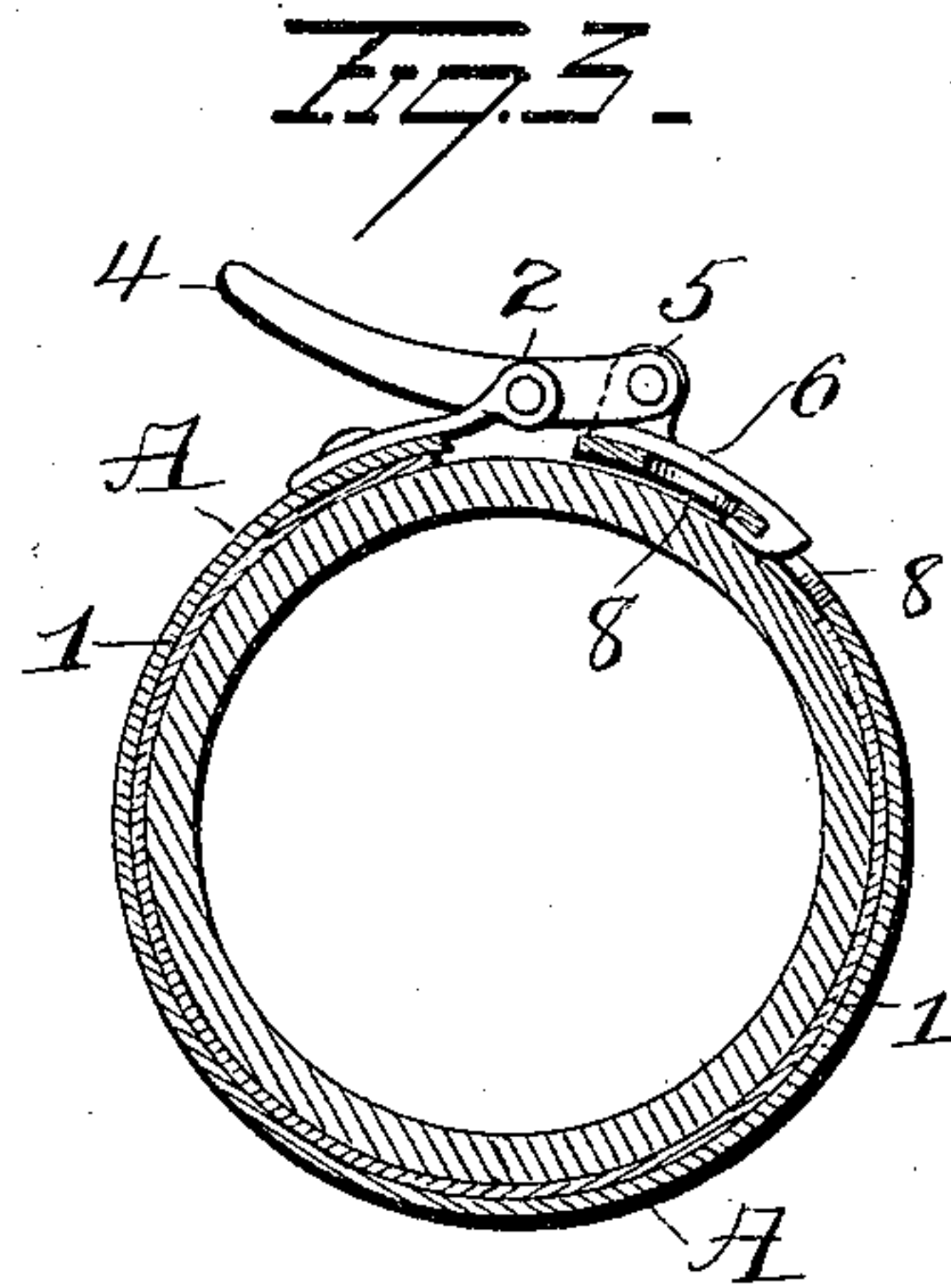
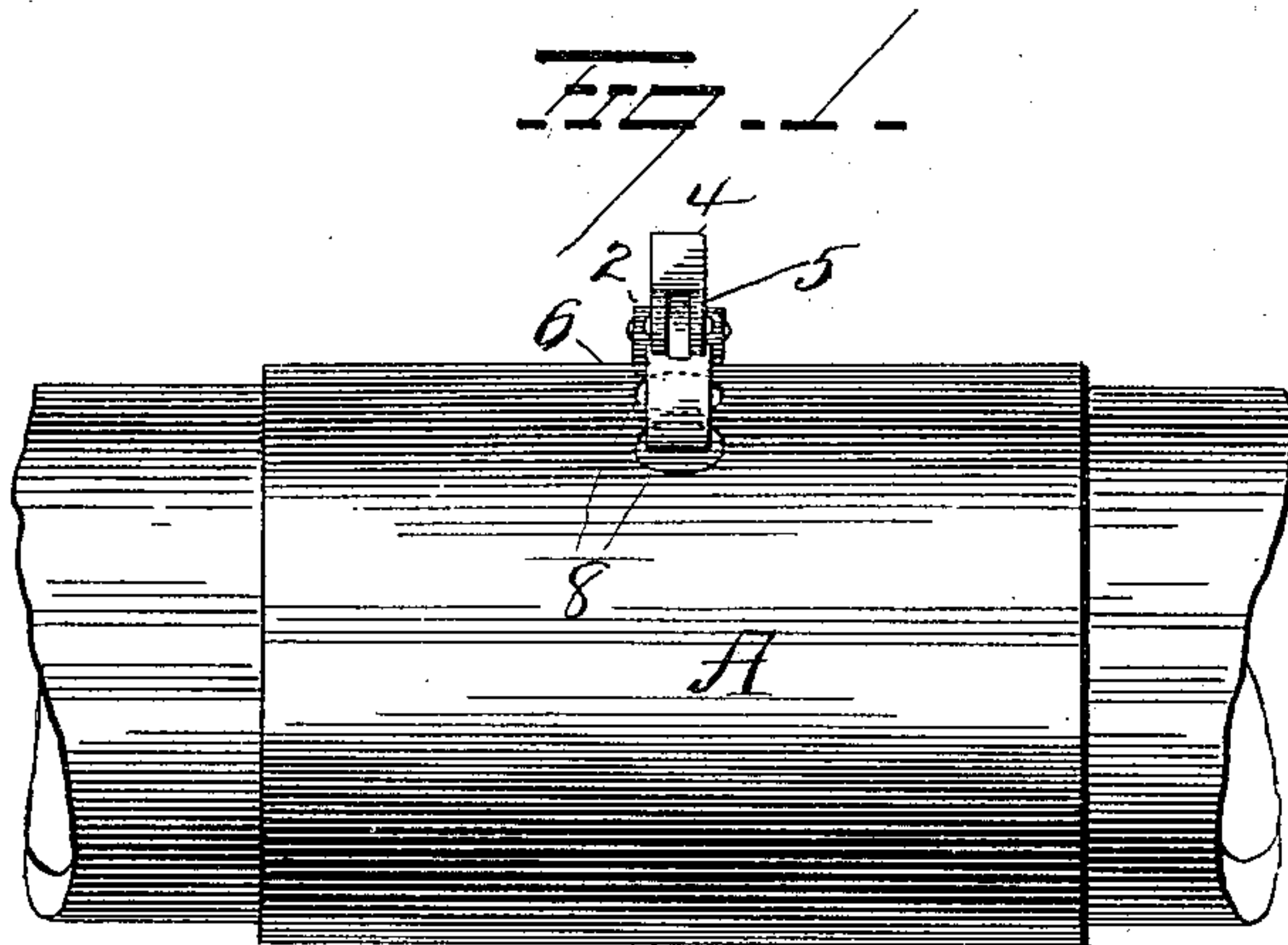
No. 645,780.

Patented Mar. 20, 1900.

D. H. BENNETT.
HOSE PATCH.

(Application filed May 19, 1899.)

(No Model.)



WITNESSES
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DAVID H. BENNETT, OF NEW YORK, N. Y.

HOSE-PATCH.

SPECIFICATION forming part of Letters Patent No. 645,780, dated March 20, 1900.

Application filed May 19, 1899. Serial No. 717,430. (No model.)

To all whom it may concern:

Be it known that I, DAVID H. BENNETT, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Hose-Patches; 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.

My invention relates to an improvement in hose-patches, the object of the invention being to produce a hose-patch which shall be simple in construction, cheap to manufacture, which shall be capable of being easily and quickly applied, and which shall be effectual in all respects in the performance of its functions.

With this end in view my invention consists in certain novel features of construction and combinations of parts, as will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents a view of my invention applied in its operative position on a short section of flexible tubing. Fig. 2 is a view of same detached. Fig. 3 is a view in cross-section showing the positions of the parts when ready to be tightened and locked, and Fig. 4 is a similar view showing the parts tightened and locked.

A represents a flexible split sleeve, preferably constructed of suitable sheet metal and provided on its interior face with a lining or coating of soft rubber or other equivalent yielding material 1. One end of this sleeve A is provided with an ear 2, in which is pivotally mounted a lever 4, the pivotal point thereof being preferably adjacent to the bifurcated end 5 of said lever. Within this bifurcated end 5 of lever 4 is pivotally mounted the rear end of hook 6, the forward or hooked end thereof being so formed as to engage the sleeve A, near the edge 7 thereof, through one or a series of holes 8.

The device above described is exceedingly simple in construction and is capable of being readily and quickly applied on tubings of varying diameters for temporarily repairing

breaks and stopping of leaks. Owing to the great amount of pressure the device is capable of withstanding it is particularly well adapted for use in repairing air-pipes, such as are used in connection with air-brakes, bicycle-tires, engine and garden hose, and the like.

To temporarily repair a section of hose or other tubing, the sleeve A is first expanded sufficiently for the introduction of the hose to be repaired. The sleeve is then adjusted so as to bring its yielding interior face over the break or leak, after which the sleeve may be easily and quickly tightened and locked upon the hose by placing the hooked end of catch 6 in engagement with one of the holes 8 and moving lever 4 forwardly or toward said catch, as shown in Fig. 4.

From the foregoing it will be seen that a perfect seal is formed at the injured point, and by arranging holes 8 in the manner shown it will be apparent that hose of varying diameters may be tightly clamped within sleeve A.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A temporary hose-patch, consisting of a split sleeve, a lever pivotally connected between its ends, directly to fixed lugs at one edge of the sleeve, and a hook or catch pivotally attached to the forward end of the lever and adapted to engage the sleeve near its other edge.

2. A hose-patch comprising a sheet-metal sleeve split longitudinally to present parallel edges, a lining within said sleeve, rigid lugs secured to said sleeve and projecting from one edge thereof toward the other edge, a lever disposed between said rigid lugs and pivoted at a point between its ends thereto, and a hook pivoted to one end of said lever and adapted to engage the sleeve near its opposite edge.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

DAVID H. BENNETT.

Witnesses:

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