

No. 838,872.

PATENTED DEC. 18, 1906.

G. LAUBE.
TRACE HOLDER.
APPLICATION FILED APR. 4, 1906.

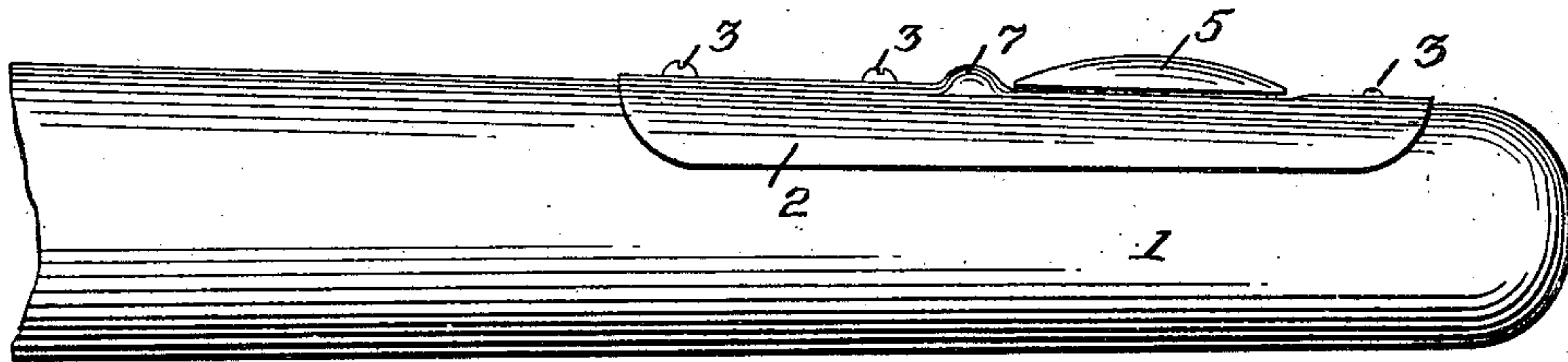


FIG. 1.

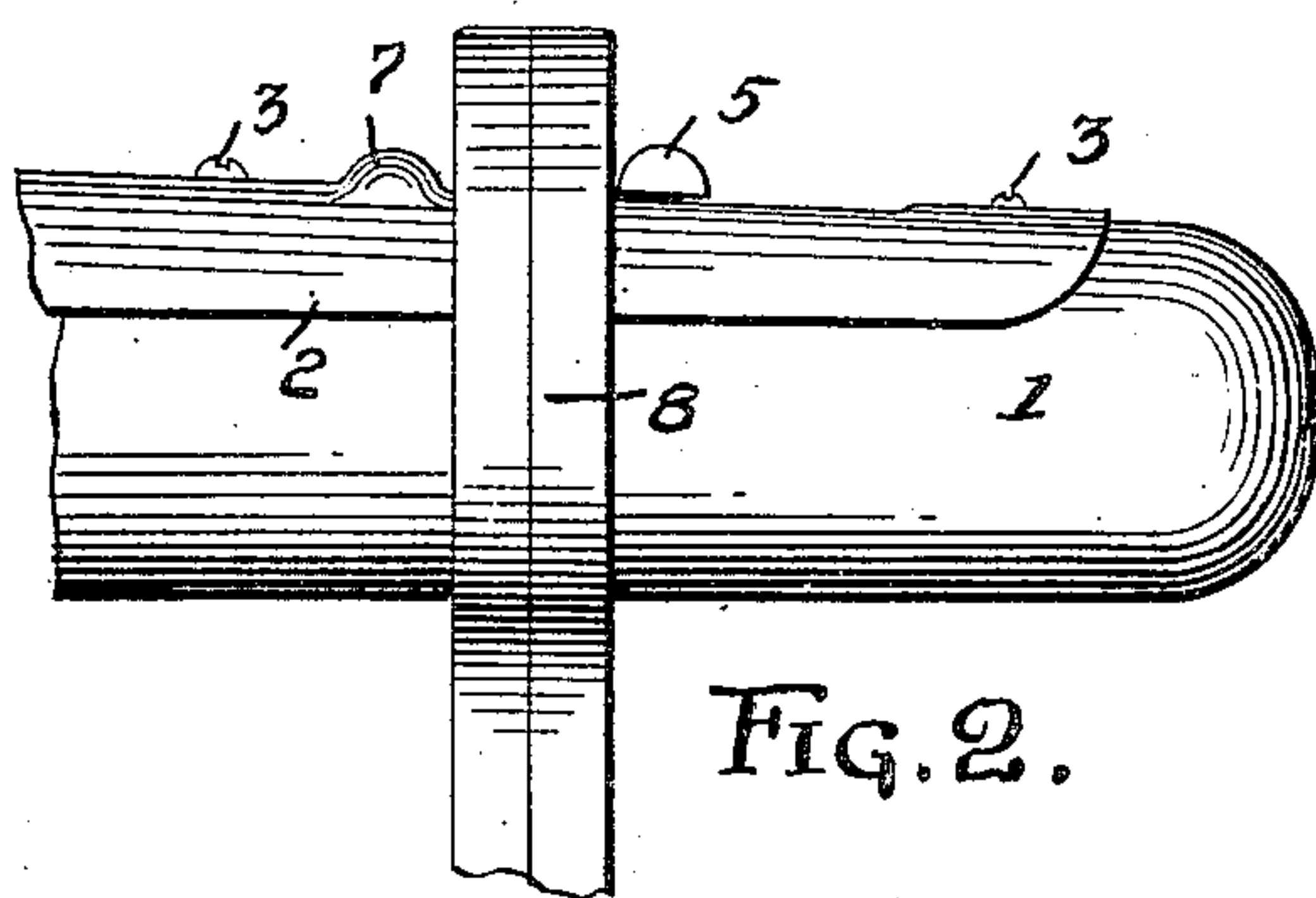


FIG. 2.

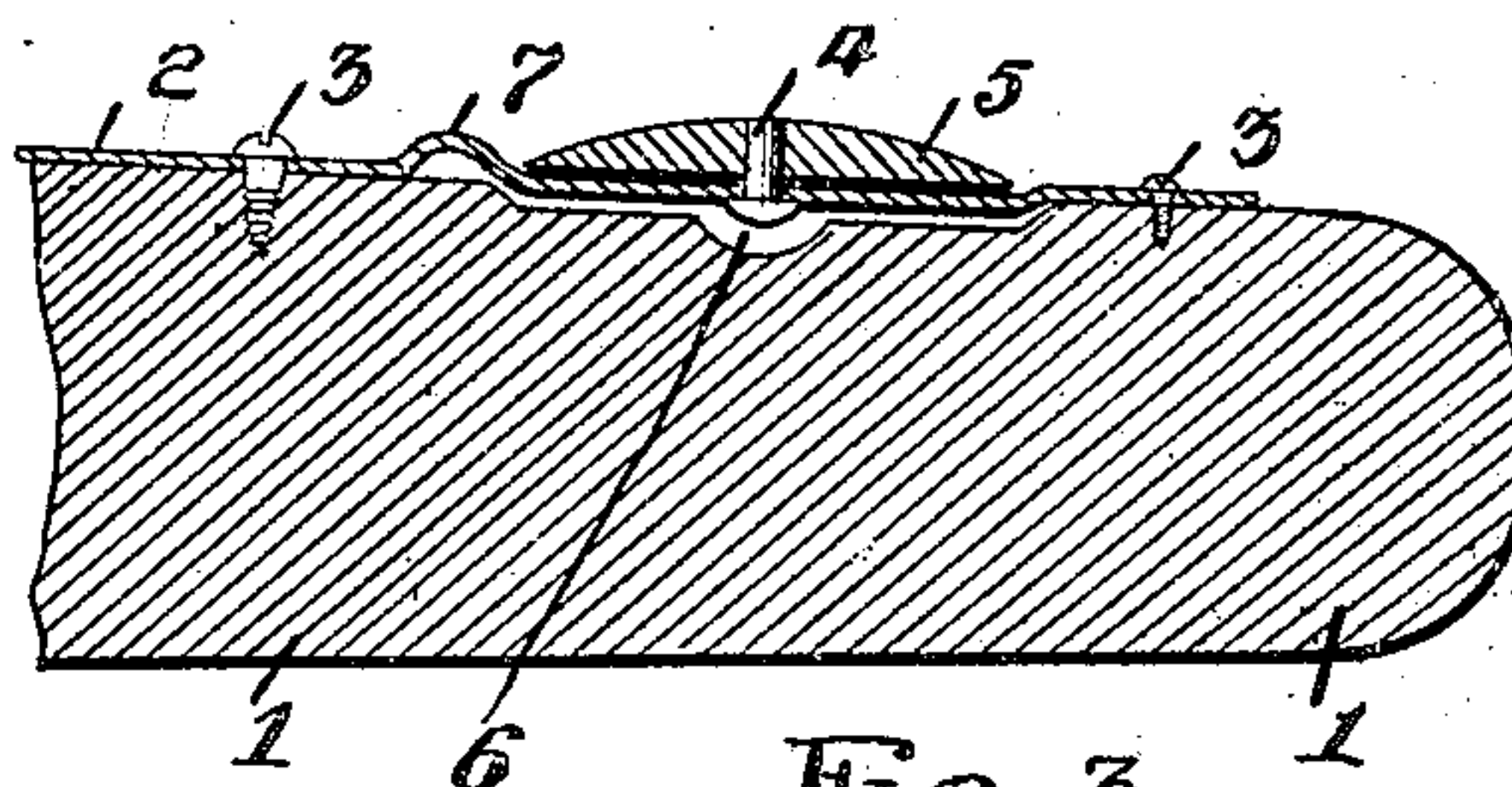


FIG. 3.

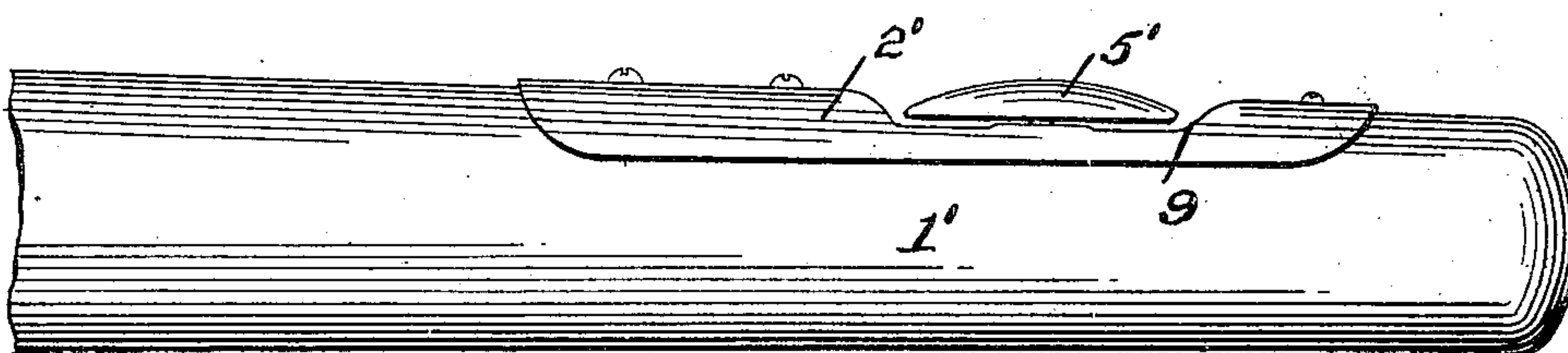


FIG. 4.

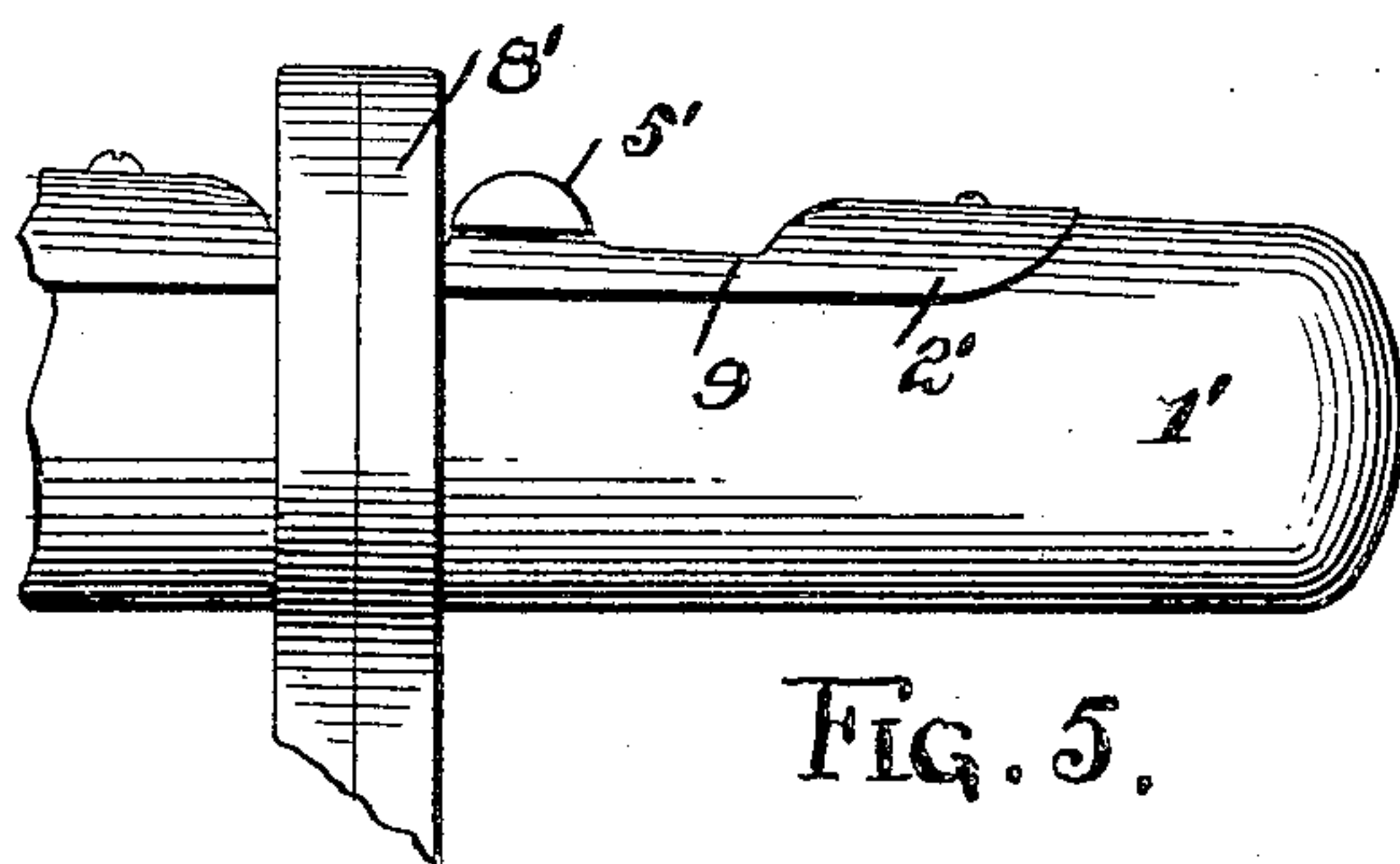


FIG. 5.

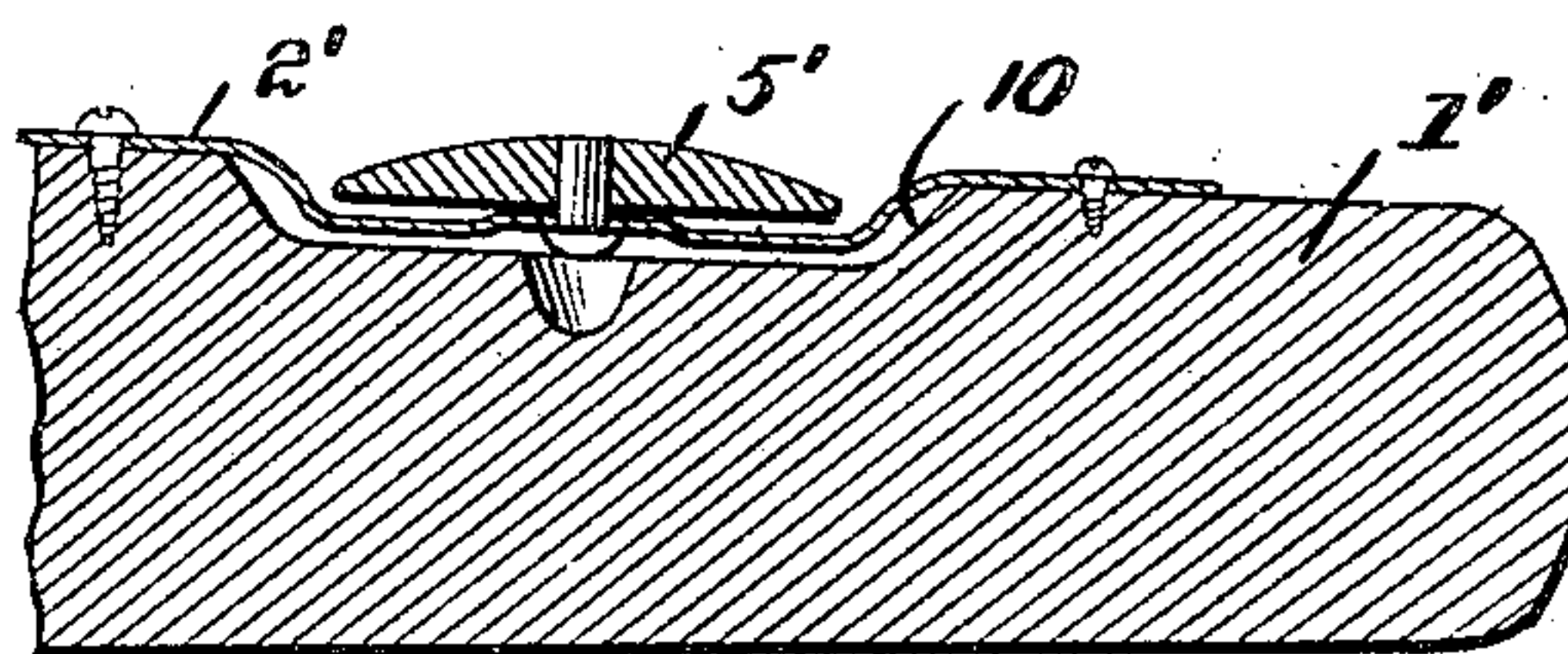


FIG. 6. Inventor:
Godfried Laube,

Witnesses:
Jesse C. Miller
D. H. Butler

by D. C. Everett & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

GODFRIED LAUBE, OF SANTA MONICA, CALIFORNIA, ASSIGNOR OF ONE-HALF TO ALBERT VANDENBURG, OF HURON, SOUTH DAKOTA.

TRACE-HOLDER.

No. 838,872.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed April 4, 1906. Serial No. 309,847.

To all whom it may concern:

Be it known that I, GODFRIED LAUBE, a citizen of the United States of America, residing at Santa Monica, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Trace-Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in trace-holders; and the invention has for its primary object to provide a simple and effective holder for retaining the slotted end of a trace or tug upon the end of a swingletree.

15 The present invention is an improvement upon that type of trace-holder wherein buttons have been employed for retaining the end of a tug or trace upon the end of a swingletree. I am fully aware of buttons heretofore being used; but considerable trouble has been experienced in the buttons becoming loose and lost by the swingletree splitting or becoming damaged, this defect
20 being incurred by the buttons being secured to the end of a swingletree by a screw or the like fastening means passing into the swingletree.

25 My invention aims to obviate the above defect by employing a reinforcement-plate upon which I revolvably mount a button or bar, said button or bar being adapted to retain a trace or tug upon the end of a swingletree when the same is positioned at right angles to said swingletree.

30 The many other advantages of my improved trace-holder will be apparent from the following description, taken in connection with the drawings, wherein like numerals of reference designate corresponding parts throughout the several views, in which—

35 Figure 1 is a top plan view of a swingletree constructed in accordance with my invention. Fig. 2 is a similar view illustrating the end of a trace or tug as mounted upon the end of the swingletree. Fig. 3 is a longitudinal sectional view of the end of a swingletree constructed in accordance with my invention. Fig. 4 is a top plan view of the end of a swingletree, illustrating a slight modification of the trace-holder as used in connection with the swingletree. Fig. 5 is a similar view illustrating the end of a trace or

55 tug as mounted thereon. Fig. 6 is a longitudinal sectional view of the end of a swingletree, illustrating the construction entering into my modified form of trace-holder.

60 In the accompanying drawings the reference-numeral 1 designates the end of a swingletree which is substantially oval in cross-section, and my invention resides in providing the one face of the swingletree with a curved oblong plate 2, said plate being secured to the swingletree by screws 3 3 3. Upon the plate, which I will hereinafter term a "reinforcement-plate," is pivotally mounted, by a rivet or pin 4, an oblong button or bar 5. The swingletree 1 may be recessed, as at 6, to form a recess for the reception of the headed rivet or pin 4 employed to retain the button 5 in engagement with the reinforcement-plate 2.

70 The reinforcement-plate 2 at one end of the button is provided with a lug or protuberance 7, the object of which will be presently described.

75 In securing the slotted end of a trace or tug 8 upon the end of a swingletree 1 equipped with my improved trace-holder the tug or trace is moved over the button 5 when the same is lying parallel or in longitudinal alinement with the edge of the swingletree 1. The trace or tug is moved inwardly upon the end of a swingletree 1 until it engages the lug or protuberance 7, at which time the button 5 is rotated a quarter of a revolution or at a right angle to the swingletree 1, thus retaining the trace or tug 8 between the protuberance 7 and the button 5. As the end of the trace or tug 8 is provided with a slot to permit of its being mounted upon the swingletree 1, the button 5 will be retained at right angles to the slot by said trace or tug, thereby preventing the trace or tug from being removed until it is forced inwardly upon the swingletree to permit of the button being swung into alinement with said swingletree, at which time it can be easily and quickly removed.

80 In Figs. 4 to 6, inclusive, I have illustrated a slightly-modified form wherein a reinforcement-plate 2' is provided with countersunk or recessed portion 9, the swingletree 1' being correspondingly recessed, as at 10, to accommodate the countersunk portion of the reinforcement-plate 2'. A button 5', similar to the button 5 heretofore described, is pivot-

ally mounted upon the countersunk portion of the reinforcement-plate 2' and after the trace or tug 8' has been placed in engagement with the swingletree 1' the button 5' is partially rotated similar to the button 5 heretofore described, which locks the end of the trace or tug 8' in the countersunk portion of the reinforcement-plate 2', as clearly illustrated in Fig. 5 of the drawings.

10 I attach considerable importance to the reinforcement-plates 2 and 2', as these plates dispense with securing the buttons 5 and 5' directly to the end of a swingletree, thereby reducing the danger of said swingletrees splitting or the buttons becoming loose and detached therefrom.

15 It will be apparent from the foregoing that my improved trace-holder is extremely simple in construction, strong and durable, and

comparatively inexpensive to manufacture, 20 and I desire it to be understood that such changes as are permissible by the appended claim may be resorted to without departing from the spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is— 25

A swingletree cut away on its rear face, an escutcheon-plate secured to the swingletree over said cut-away portion, and depressed into the cut-away portion, and a button rotatably mounted on the depressed portion of said escutcheon-plate. 30

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

GODFRIED LAUBE.

Witnesses:

HATTIE R. LAUBE,
GROVER C. G. LAUBE.