

No. 654,502.

Patented July 24, 1900.

G. B. WILT.
ENGINE TIE.

(Application filed Dec. 11, 1899.)

(No Model.)

FIG. 1.

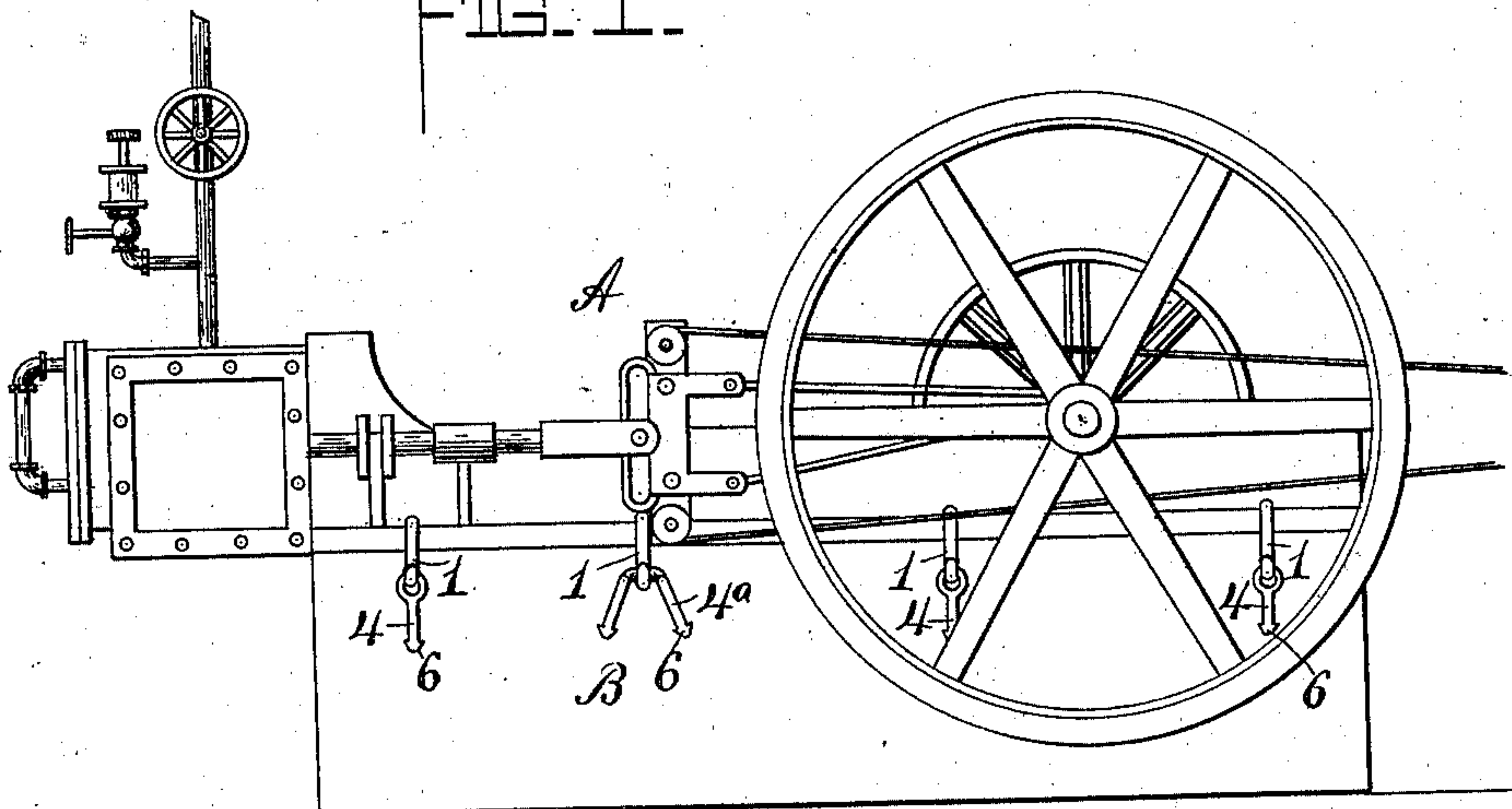


FIG. 2.

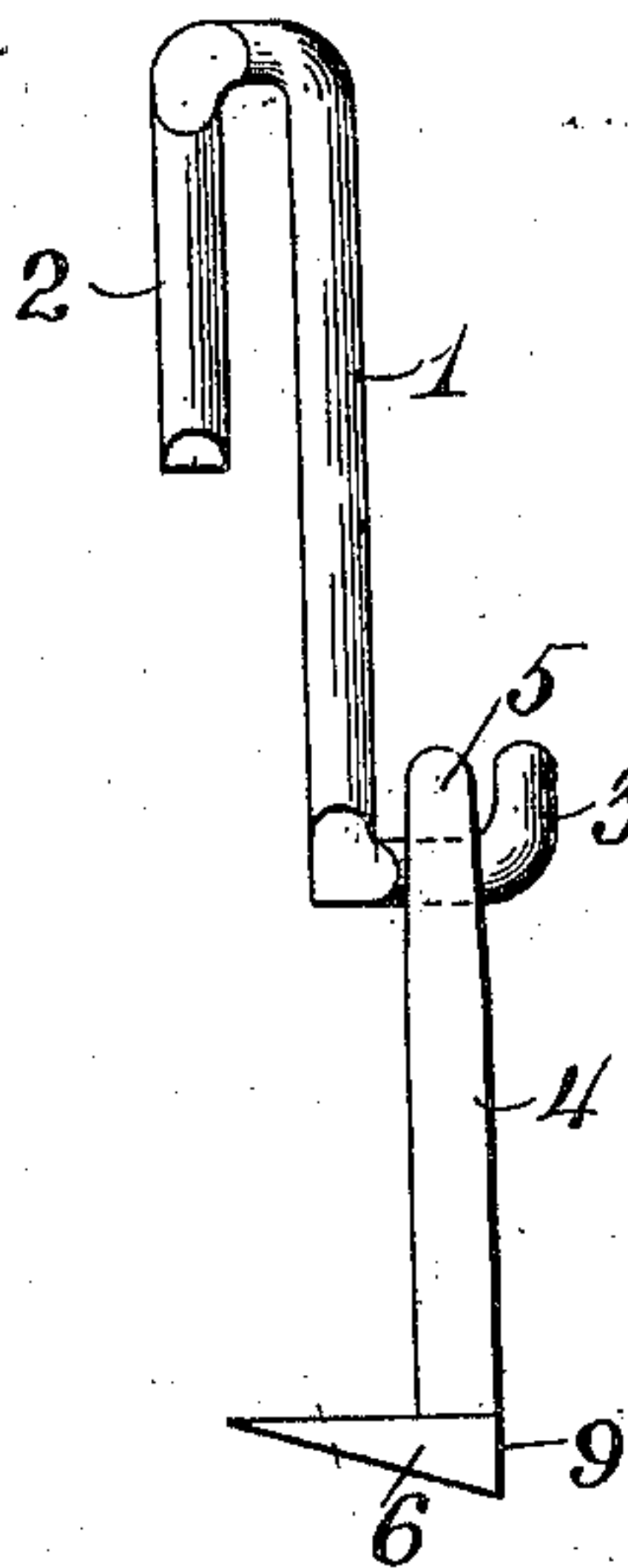


FIG. 3.

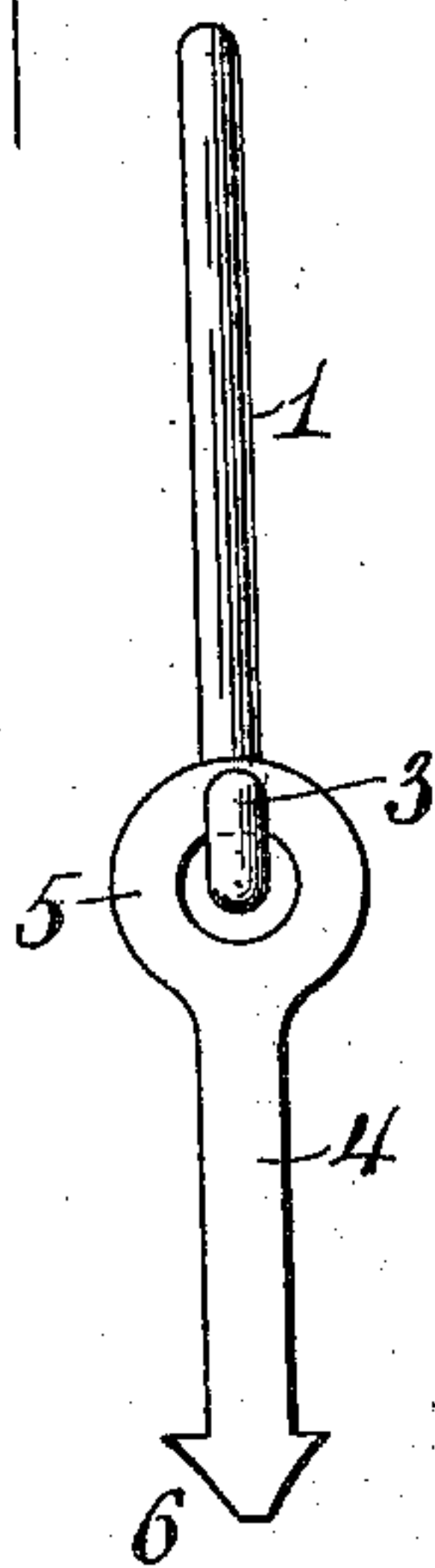


FIG. 4.

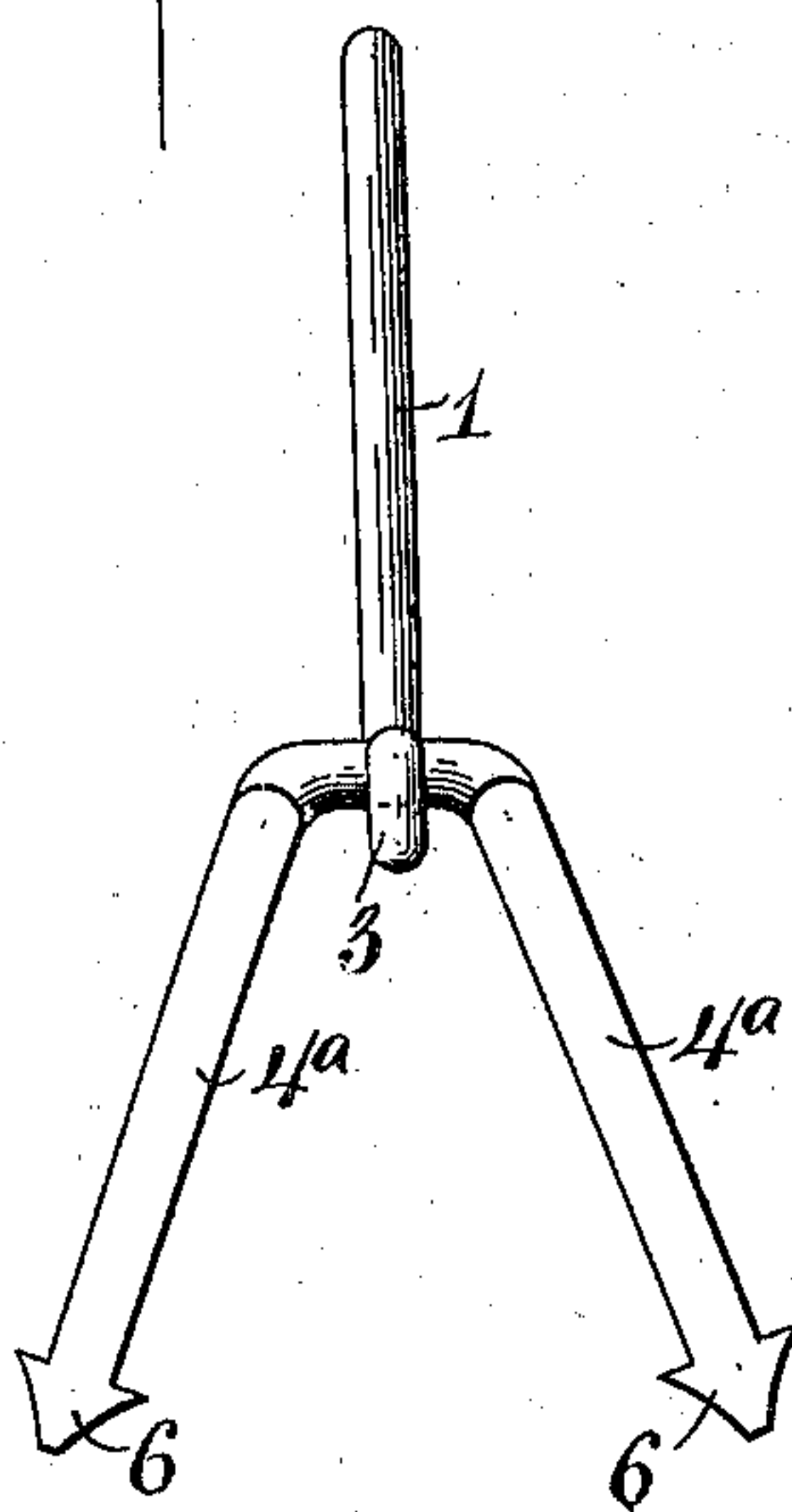


FIG. 5.

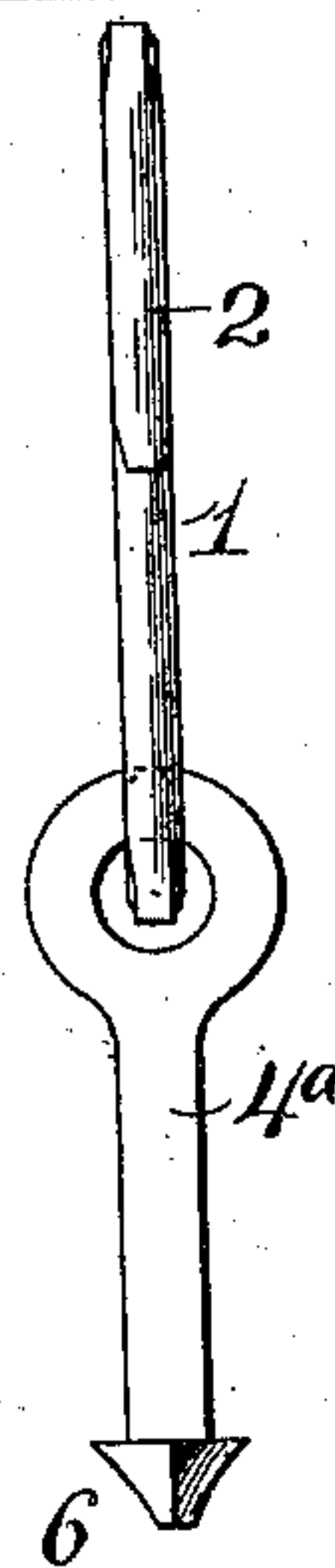
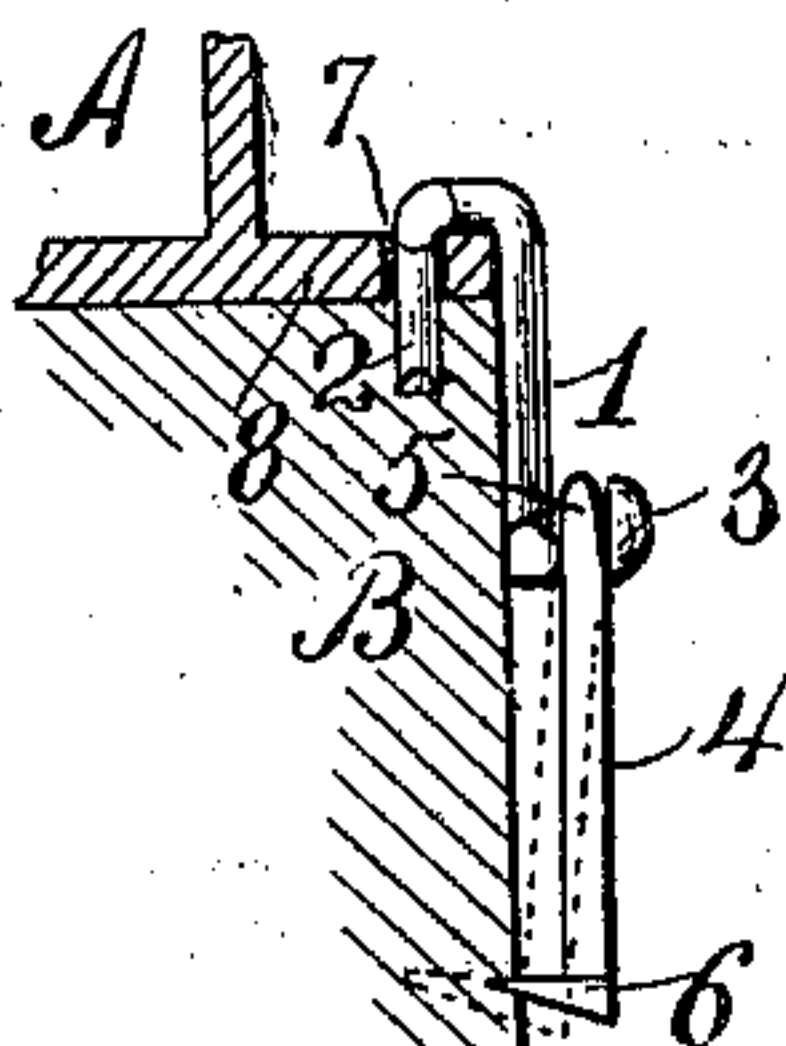


FIG. 6.



WITNESSES

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ENGINE-TIE.

SPECIFICATION forming part of Letters Patent No. 654,502, dated July 24, 1900.

Application filed December 11, 1899. Serial No. 739,966. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. WILT, a citizen of the United States, and a resident of Gibsonburg, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Engine-Ties; of which the following is a specification.

My invention relates to means whereby engines and other like machines may be secured to the blocks upon which they are mounted; and my invention consists in a two-part hook formed with a swivel-joint, one part of which is provided with an integral pin which passes through the bed-plate of the object to be secured while the other part is provided with an anchoring spur or hook which may be driven or otherwise introduced into the block or base upon which the object is mounted, the parts being so arranged that the object to be secured will be fixed against both horizontal and vertical displacement.

My invention will be fully understood upon reference to the accompanying drawings, in which—

Figure 1 is a side elevation of a gas-engine, illustrating one use to which my invention may be applied. Fig. 2 is a side view of the improved engine-tie. Figs. 3 and 4 represent front views of two different pipes involving the same principle. Fig. 5 is a rear view of the form shown in Fig. 3. Fig. 6 is a sectional detail view representing the manner in which the tie is applied.

Referring to Fig. 1, A represents a gas-engine which is representative of some object to be secured, and B represents a base upon which it is mounted. For tying such objects to their bases I provide an anchoring hook or tie comprising an upper member 1, carrying at its upper end a downwardly-projecting pin or spike 2, substantially parallel to the body portion 1, and at its lower end a hook 3 and a lower member 4, which has swivel connection with the upper member 1 through the medium of an eye 5, which receives the hook 3 and carries at its lower end an anchoring spur or wedge 6. The tie is put into use by inserting the pin or spike 2 through an opening, such as 7, Fig. 6, in the bed-plate

8 of the object to be secured, said pin or spike protruding down into the bed B and the body portion 1 of the upper member hanging down alongside of said bed. The lower member 4 is then driven or otherwise introduced into the bed B, it being provided with a heel 9 for convenience in driving. As will be understood upon reference to Fig. 6, the point of the spur 6 penetrates the bed B in a substantially-horizontal direction. Hence when the lower member 4 has assumed the position shown in dotted lines in Fig. 6, which is slightly inclined to the position at which the point starts, the upper member will have been drawn down tightly and the necessary tension put upon the object A to securely hold it against vertical displacement. The pin or spike 2 having passed through the bed-plate 8 into the bed B will likewise effectively secure the object A against horizontal displacement.

I do not confine myself to the specific form of tie shown in Figs. 2, 3, and 4, for I may employ a double or forked lower member 4^a, as shown in Fig. 4, the two spurs 6 on which may be driven into the body B with the same effect as described with reference to Fig. 6, the anchorage being, however, made doubly secure.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In combination with an engine or like object to be secured, the herein-described tie consisting of the upper and lower members swiveled together and provided respectively with the downwardly-projecting pin or spike 2 and the horizontally-projecting penetrating spur 6; substantially as herein explained.

2. In combination with an engine or the like having a perforated bed-plate upon which said engine is mounted; the herein-described tie formed with two parts swiveled together and provided respectively with the longitudinally-projecting pin or spike 2 passed through the perforations in the bed-plate and into the bed, and the transversely-projecting spur 6 driven or otherwise introduced into the bed; substantially as and for the purposes set forth.

3. The herein-described tie for engines or
the like, consisting of the upper member pro-
vided with a longitudinally-projecting pin or
spike constructed to pass through the bed-
5 plate of the object to be secured and into the
bed, and the lower forked member swiveled
to the upper member and carrying at its re-

spective ends the penetrating spurs con-
structed to be driven into the bed; substan-
tially as herein set forth.

GEORGE B. WILT.

Witnesses:

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THOS. B. DICKEN.