

No. 714,341.

Patented Nov. 25, 1902.

J. WATTS.
WHIFFLETREE.

(Application filed Sept. 20, 1902.)

(No Model.)

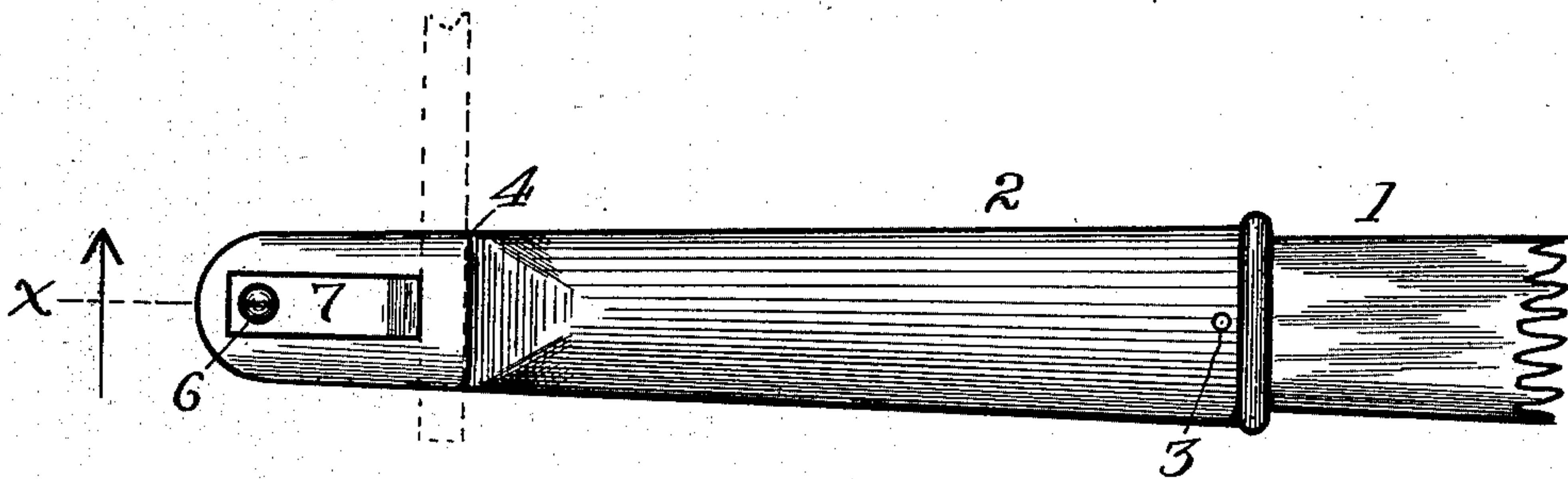


Fig. 1.

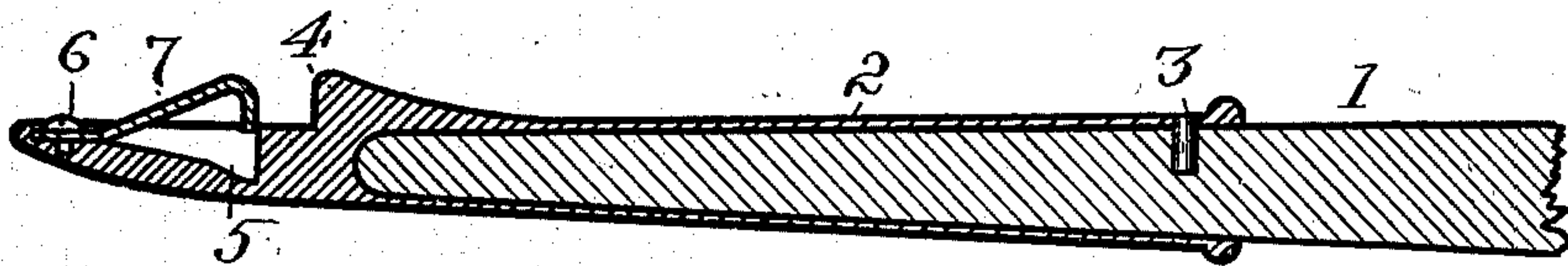


Fig. 2.

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UNITED STATES PATENT OFFICE.

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WHIFFLETREE.

SPECIFICATION forming part of Letters Patent No. 714,341, dated November 25, 1902.

Application filed September 20, 1902. Serial No. 124,183. (No model.)

To all whom it may concern:

Be it known that I, JOHN WATTS, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Whiffletrees, of which the following is a specification.

My invention has a general relation to improvements in whiffletrees, and it has especial relation to that class having means for securing the tugs thereto.

The object of my invention is to produce a new and improved whiffletree that shall have simple and effective means for holding and releasing the tugs, which can be easily and quickly operated for either purpose.

To the accomplishment of this object my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described and then specifically pointed out in the claim, reference being had to the accompanying drawings, forming a part hereof.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different figures, Figure 1 is a plan of one end of a whiffletree provided with my invention, and Fig. 2 a longitudinal section of the same at the line X.

Referring to the figures, 1 is a portion of a wooden whiffletree, tapered as shown, on which is fitted a metallic tip 2, secured by a pin 3. Near the outer end the tip 2 rises to an abrupt shoulder 4, against which the tug (indicated by dotted lines in Fig. 1) abuts. Beyond this shoulder, approximately a dis-

tance equal to the thickness of the average tug, is a recess 5 in the upper face of the tip about one-third the width of the tip at that part, deepest at its inner end and thence gradually decreasing in depth to near the end, when it abruptly ends. Secured in the outer end of this recess by a screw 6 is a flat spring 7, bent abruptly down at its inner end for such a distance as to just rest within the inner end of the recess when raised.

In operation the tug is simply pushed on the tip, which presses down the spring until it is passed, when it rises and effectually prevents the tug from escaping. The tug is released by pressing down the spring with the finger or thumb.

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

A tip for whiffletrees which consists of a hollow body portion provided with an integral shoulder to arrest the motion of the tug thereon, a recess in said tip outside of said lug, a spring secured in the outer end of said recess bent abruptly to rest against the tug to enter and lie wholly within said recess during the operation of placing said tug, and means to hold said tip on said whiffletree, substantially as shown and described.

In testimony that I claim the above I hereto set my hand in the presence of two subscribing witnesses.

JOHN WATTS.

Witnesses:

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