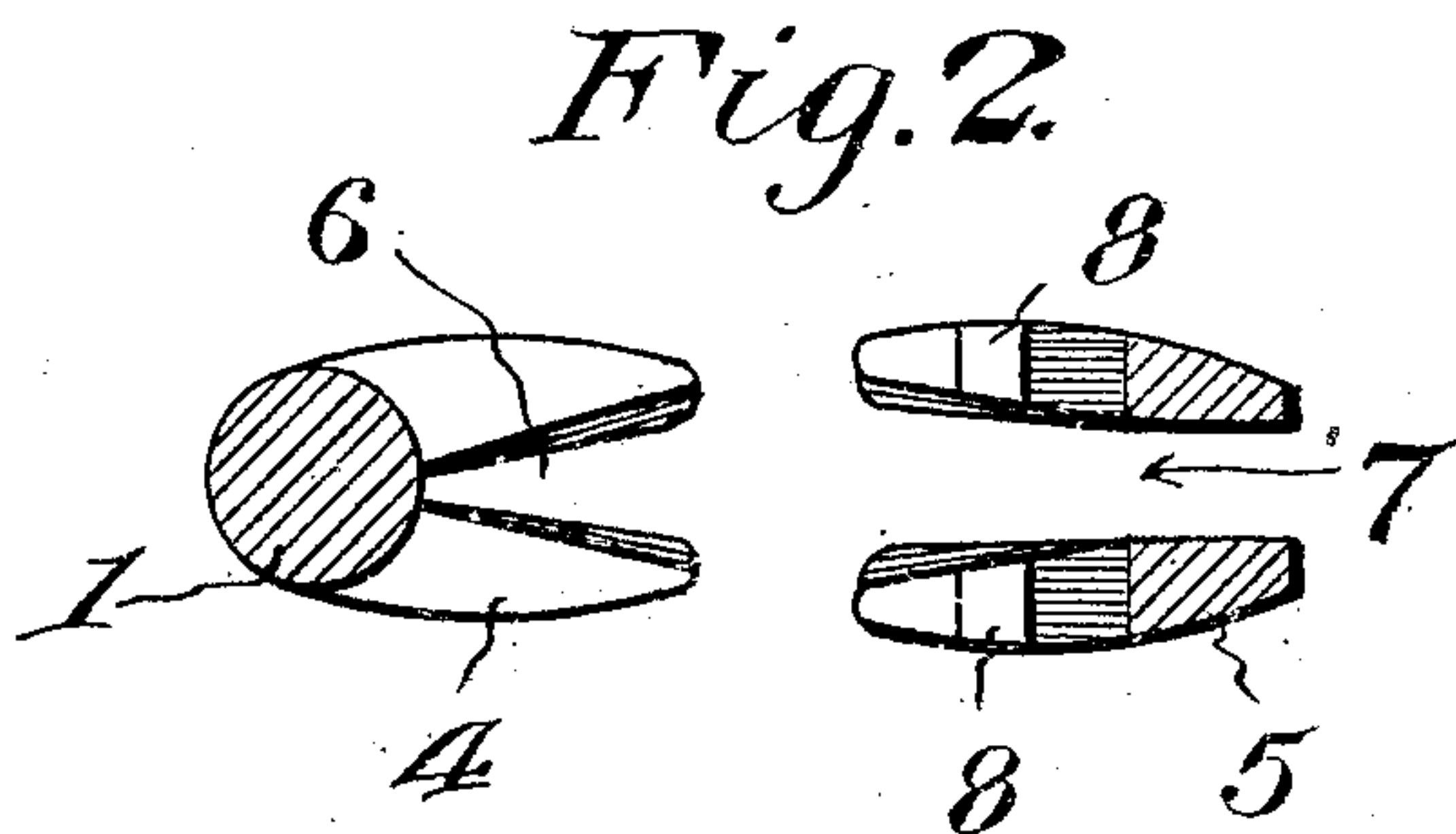
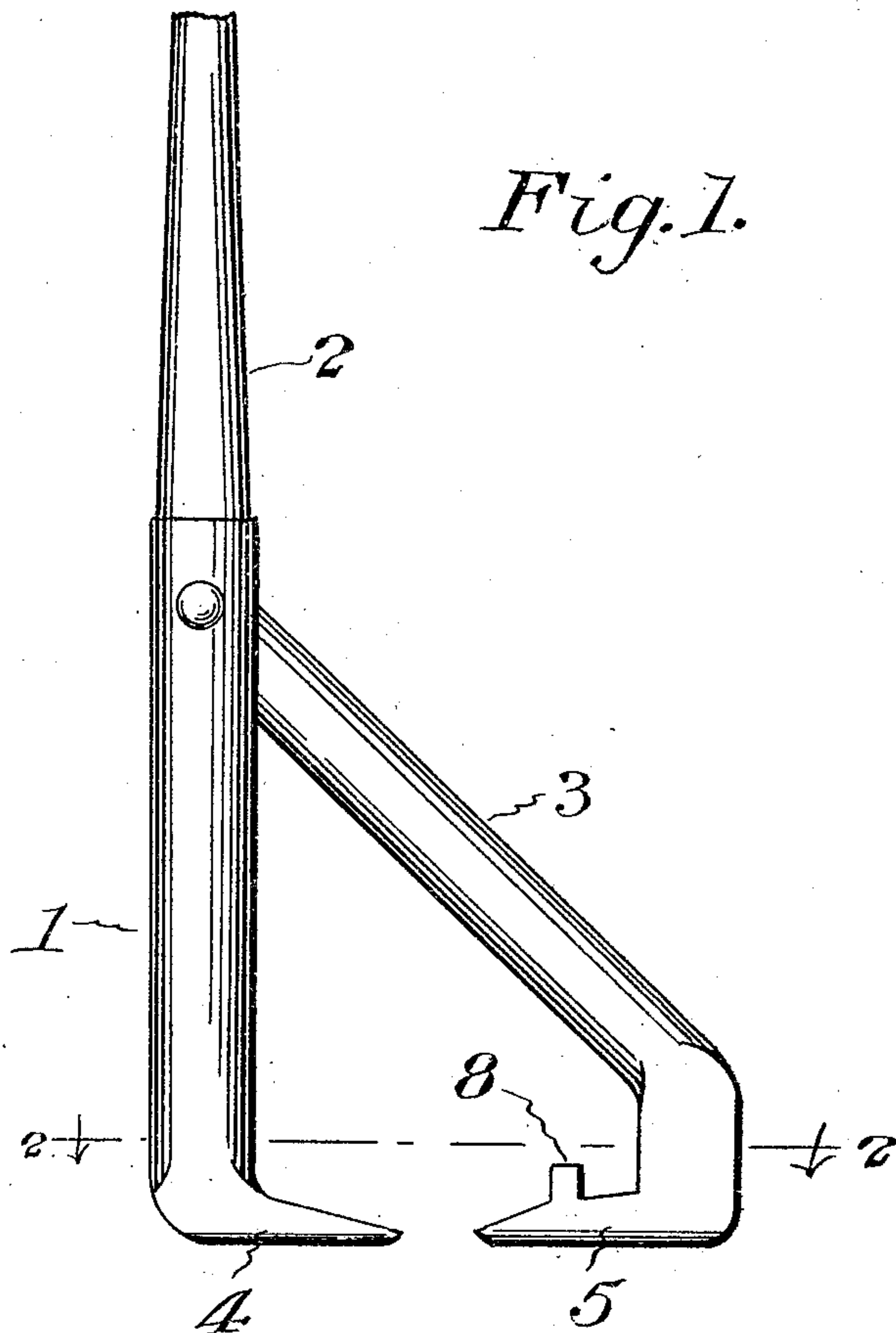


D. SMITH.
SPIKE PULLER.

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944,920.

Patented Dec. 28, 1909.



Witnesses: —

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UNITED STATES PATENT OFFICE.

DREW SMITH, OF KELLERMAN, ALABAMA.

SPIKE-PULLER.

944,920.

Specification of Letters Patent.

Patented Dec. 28, 1909.

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To all whom it may concern:

Be it known that I, DREW SMITH, a citizen of the United States, residing at Kellerman, in the county of Tuscaloosa and State of Alabama, have invented new and useful Improvements in Spike-Pullers, of which the following is a specification.

This invention relates to spike pullers, the object of the invention being to produce a spike puller especially adapted for drawing the spikes at rail joints and designed with special reference to repair work in tunnels, mines and on trestles, the improved spike puller embodying inner and outer shanks provided at their ends with inner and outer claws respectively, the device being adapted to straddle a rail and to fulcrum at the opposite side of the rail from that side on which the spike is being drawn.

With the above general object in view, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated, and claimed.

In the accompanying drawings:—Figure 1 is a side elevation of a spike puller constructed in accordance with the present invention. Fig. 2 is a horizontal section through the lower portion thereof taken on the line 2—2 of Fig. 1.

The spike puller of this invention comprises essentially a main inner shank 1 provided with a handle or lever 2, and an outer shank 3 which extends at an angle to the inner shank 1 and diverges downwardly therefrom as shown in Fig. 1. The shanks 1 and 3 are rigidly connected at their point of intersection so that the feet containing the extracting claws always maintain the same relative positions.

The inner shank is provided at its lower extremity with an inner claw 4 while the outer shank is provided with an outer claw 5, the claws 4 and 5 being pointed at their inner ends which face each other as shown in Fig. 1. While the inner claw has a spike-receiving space 6 which is V-shaped and counter-sunk as shown in Fig. 2, the outer claw 5 has the central spike-receiving space 7 extended entirely through the claw. In other words, the outer claw 5 is bifurcated all the

way through and the inner portion of said claw are provided with upstanding lugs 8 to cooperate with the head of the spike.

In use, the spike puller is placed astride the rail with the inner claw engaging the spike at the inner side of the rail and the outer claw engaging the spike at the outer side of the rail. The operator then places one hand at the upper end of the handle 2 and the other hand at a point lower down; he then moves the device back and forth so that both of the spike heads may be engaged by the claws 4 and 5, the central space 7 in the foot containing the claws 5 admitting of such back and forth movement until both of the spikes have been engaged by the claws. The operator then moves the handle of the device back and forth, first drawing the spike at one side of the rail and then drawing the spike at the opposite side of the rail. In this way, both spikes may be withdrawn without removing the device as a whole from its position astride the rail and without causing the operator to shift his position, the operator standing between the rails of the track while operating the device in the manner described.

I claim:—

A device for drawing spikes embodying a main inner shank, an outer rigid shank extending at an angle thereto and adapted to straddle a railroad rail and having feet with claws at the lower ends of said shanks, said claws facing toward each other and being adapted to operate in the same horizontal plane to extract alternately the spikes at opposite sides of the rail, the inner foot embodying a V-shaped spike-receiving space and the outer foot being divided throughout its length and adapted to receive the spike between the divided portions thereof, whereby the spikes on both sides of the rail may be withdrawn without removing the device from its position astride the rail.

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

DREW ^{his} X SMITH.
mark

Witnesses:

C. R. STOWE,
J. M. DENTON.