

(No Model.)

J. D. HICKS.  
RAILROAD SPIKE.

No. 330,326.

Patented Nov. 10, 1885.

Fig. 1.

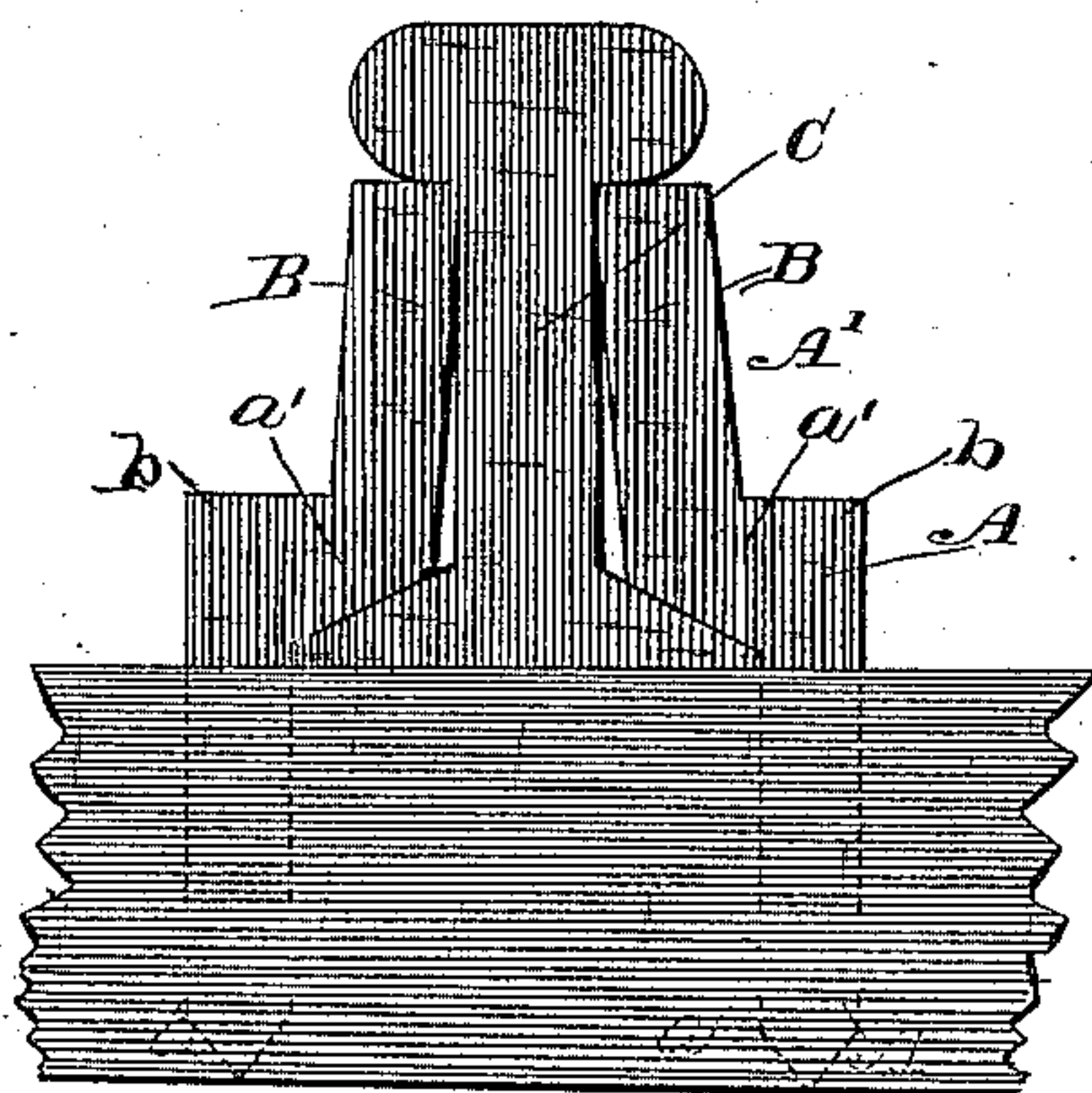
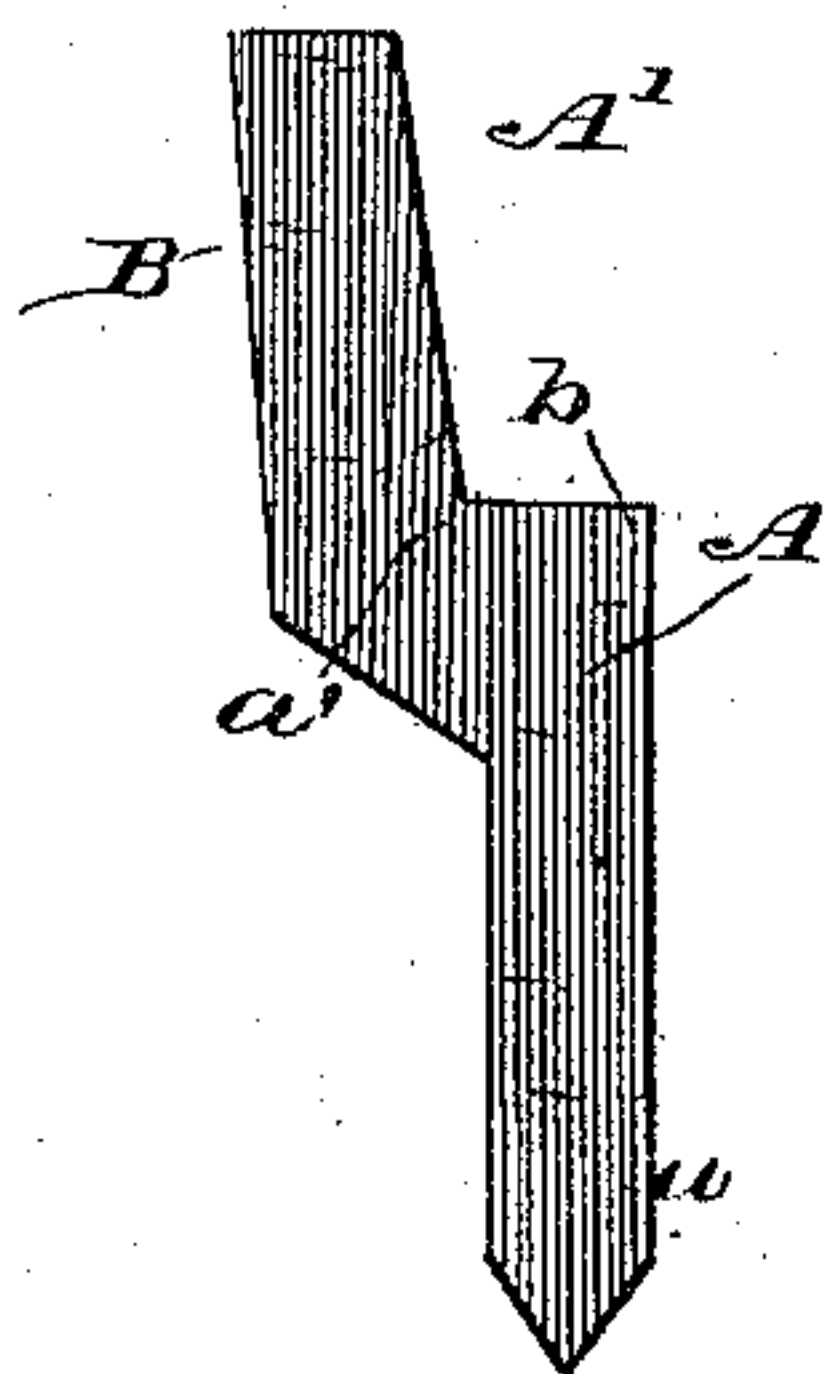


Fig. 2.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

JAMES D. HICKS, OF LAWRENCE, TEXAS.

## RAILROAD-SPIKE.

SPECIFICATION forming part of Letters Patent No. 330,326, dated November 10, 1885.

Application filed March 13, 1885. Serial No. 158,702. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. HICKS, a citizen of the United States of America, residing at Lawrence, in the county of Kaufman and State of Texas, have invented certain new and useful Improvements in Railroad-Spikes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention pertains to certain new and useful improvements in spikes for securing railroad-rails in position, and has for its object not only to secure the rail, but to greatly strengthen the same; and it consists in the 15 formation and arrangement of the parts, substantially as hereinafter more fully set forth and claimed.

In the accompanying drawings, Figure 1 is a sectional view of a rail, showing my invention as applied thereto and secured in a railroad-tie; and Fig. 2 is a side elevation of my invention.

25 In carrying out my invention I form the lower portion, A, of the spike A' with tapering ends *a*, for the more convenient driving of the spike in the ties. To the upper end of the lower portion, A, of the spike A', I cast or form integral therewith the right-angular arm *a'*, which extends slantingly upward, and 30 thence upward in a slanting direction a suitable distance, forming an extension or arm, B, nearly the same length as the lower portion, A, of the spike, thus forming a shoulder, *b*, to receive the blows of a hammer in driving the spike "home." The extension or arm B is 35 designed to fit flush at its upper end against

the web C of an ordinary railroad-rail, and the extreme upper end of the arm B rests against the under side of the tread of said rail, while the right-angular slanting arm *a'* rests 40 on the upper surface of the base-flange of the rail.

My invention not only secures the rail in position, but also greatly strengthens the same, thereby rendering it more durable and lasting. 45

I am aware that it is not broadly new to construct a railroad-spike to fit flush against the web of a railroad-rail and under the tread of the same; but my invention is not only applicable for that purpose, but has suitable 50 means, as shown, for receiving the blows of a hammer in driving the spike home.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is— 55

1. The spike having the arm or extension B, constructed as shown, and the shoulder *b*, substantially as shown, and for the purpose specified.

2. A spike for securing a railroad-rail, having a lower portion, A, having a shoulder, *b*, and a right-angular arm, *a'*, for resting against the base-flange of a rail, and the arm or extension B, substantially as shown and described. 60 65

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

JAMES D. HICKS.

Witnesses:

GEO. A. NELSON,  
S. W. WALLACE.