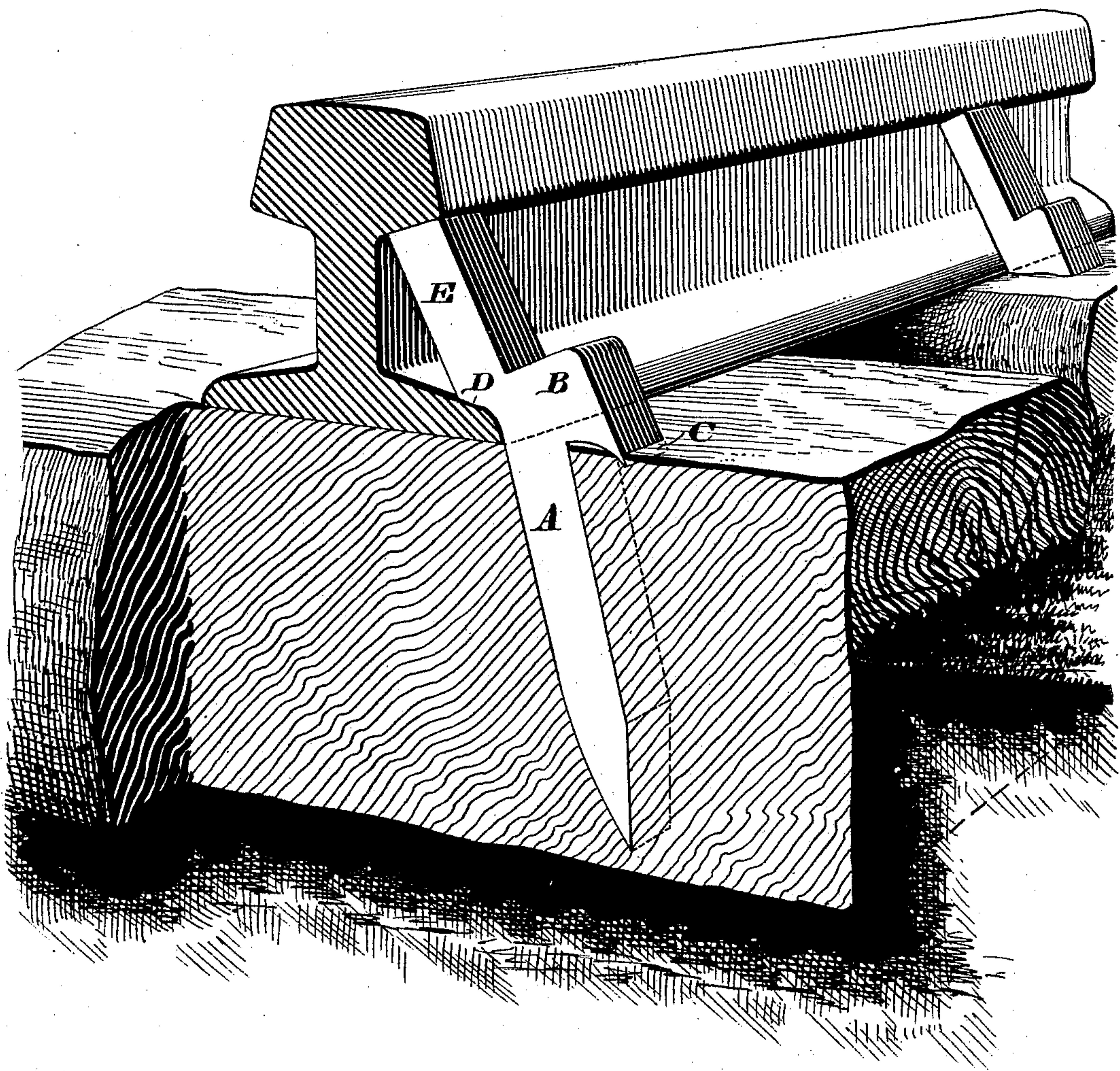


(No Model.)

D. A. HEGARTY.
RAILROAD SPIKE.

No. 462,045.

Patented Oct. 27, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

DANIEL A. HEGARTY, OF PHILADELPHIA, PENNSYLVANIA.

RAILROAD-SPIKE.

SPECIFICATION forming part of Letters Patent No. 462,045, dated October 27, 1891.

Application filed May 6, 1891. Serial No. 391,845. (No model.)

To all whom it may concern:

Be it known that I, DANIEL A. HEGARTY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Railroad and other Rail Spikes, which improvement is fully set forth in the following specification and accompanying drawing.

10 My invention consists of a spike provided with means for supporting the head of a rail, making the rail solid, and preventing shifting thereof, as will be hereinafter set forth and definitely claimed.

15 The figure in the accompanying drawing represents a perspective view of a spike embodying my invention.

Referring to the drawing, A designates a spike, on one side of the head B of which is 20 a depending pointed or sharpened tooth C, and on the opposite side thereof is a shoulder D. Rising from the shoulder D is an arm E, which extends from the head in a direction obliquely toward the rail.

25 The spike is driven obliquely into the tie, the blows being struck upon the head B, and when it is home the shoulder engages with the base of the rail, the tooth enters the tie, and the arm E is beneath the head of the rail 30 and in contact with the under side thereof, thus forming a support and brace for said head. As the tooth enters the tie, lateral

shifting of the head of the spike is prevented, and as the shoulder interlocks with the base of the rail and the head of the latter is sustained by the arm, as has been stated, the rail 35 is held solidly and well adapted to sustain the strain to which it is subjected by car-wheels on the gage side.

The spike and its connected parts are made 40 in one piece, thus possessing strength and durability, and constructed of iron, steel, or other suitable metal, cast, wrought, forged, or otherwise produced.

Having thus described my invention, what 45 I claim as new, and desire to secure by Letters Patent, is—

1. A railroad-spike having a head with a brace-arm rising therefrom and a depending tooth on the side thereof, said arm being ar- 50 ranged obliquely to the rail, substantially as described.

2. A railroad-spike constructed with a head having a depending tooth to enter a tie, a shoulder to embrace the base of a rail, and an 55 elevated brace-arm to engage the under side of the head of the rail and extending obliquely toward the said rail, said parts being combined substantially as described.

DANIEL A. HEGARTY.

Witnesses:

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