No. 743,823. PATENTED NOV. 10, 1903.

G. BRYAR.

SPIKE PULLER.

APPLICATION FILED MAR. 20, 1903.

NO MODEL.

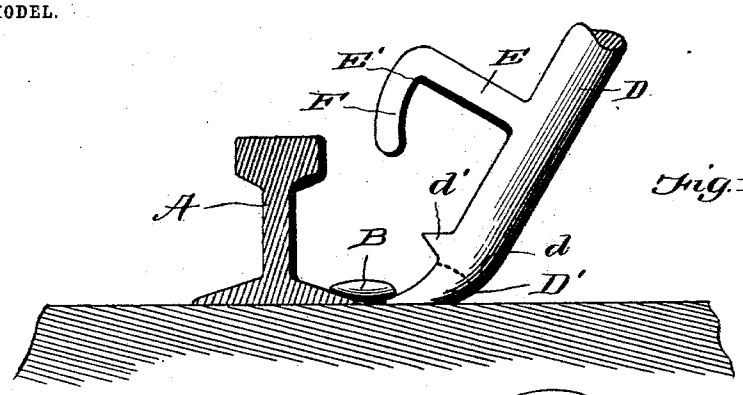


Fig. 1.

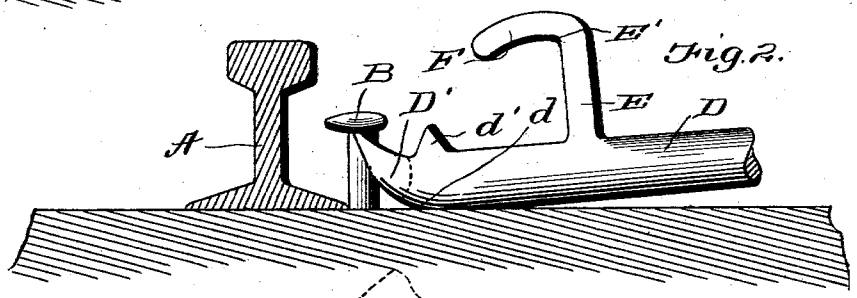


Fig. 2.

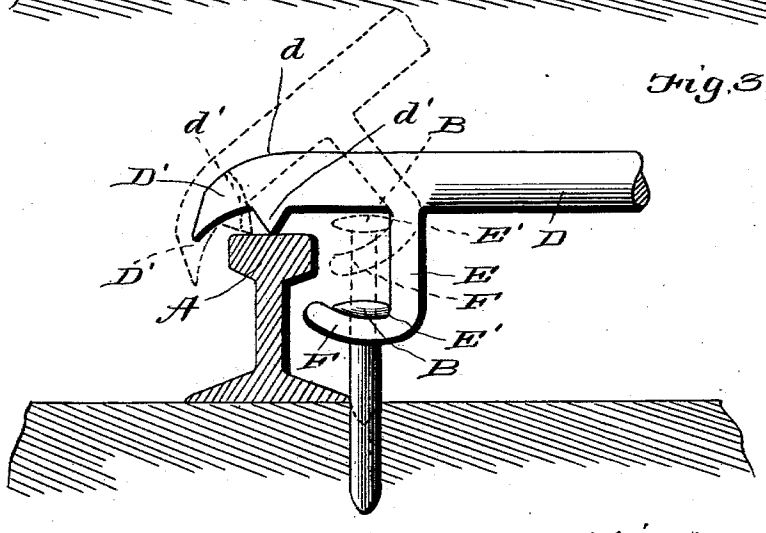


Fig. 3.

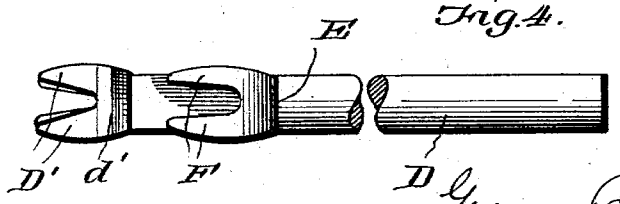


Fig. 4.

Witnesses

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No. 743,823. Patented November 10, 1903.

UNITED STATES PATENT OFFICE.

GEORGE BRYAR, OF ST. JOHN, CANADA, ASSIGNOR OF THREE-FOURTHS TO ROBERT L. JOHNSTON, JOHN WALSH, JOHN M. SMITH, AND MATHEW ALOYSIUS HARDING, OF ST. JOHN, CANADA.

SPIKE-PULLER.

SPECIFICATION forming part of Letters Patent No. 743,823, dated November 10, 1903.

Application filed March 20, 1903. Serial No. 148,749. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BRYAR, a subject of the King of England, residing at St. John, in the county of St. John, New Brunswick, Canada, have invented certain new and useful Improvements in Spike-Pullers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in spike-pulling tools; and it consists in the provision of means whereby a double claw is produced, one arm of which is adapted to engage over and be fulcrumed upon the rail of a railway, while the other claw is designed to engage the head of a spike and raise the same from a tie.

The invention consists, further, in various details of construction, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which similar letters of reference indicate like parts in the views, in which—

Figure 1 is a sectional view through a rail, showing in elevation my spike-puller as applied to the head of a spike holding the flange of a rail. Fig. 2 is a similar view showing the spike partially raised and the spike-puller thrown down into a substantially horizontal position. Fig. 3 is a similar view showing one end of the tool fulcrumed over the top of a rail, and Fig. 4 is a plan view of the tool.

Reference now being had to the details of the drawings by letter, A designates a railway-rail of ordinary construction, which in the drawings is shown as held to the tie by means of a spike B.

My improved tool for drawing spikes consists of the handle C, having one end, C′, bent to form a claw, which is slightly convexed at *d*, and opposite the convexed portion is a tapering fulcrumed lug *d*′, which is adapted to serve as a fulcrum when the two are used in a manner illustrated in Fig. 3 of the drawings.

Projecting at right angles from the handle a suitable distance from the claw N is an arm E, which is bent at a point E′ at substantially right angles, forming a claw F, which when the tool is employed in the manner shown in Fig. 3 of the drawings is designed to engage the head of the spike to be abstracted when the fulcrumed lug is fulcrumed upon the tread of a rail.

From the foregoing it will be observed that by the provision of my improved tool the same may be used in two different ways, as illustrated in Figs. 1 to 3, inclusive. In the construction illustrated in Figs. 1 and 2 but one claw is used, the handle being fulcrumed upon the convexed portion thereof, while in the form shown in Fig. 3 the spur adjacent to one end of the handle is adapted to be fulcrumed on the rail and the claw engaging the head of a spike, as shown.

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

A spike-extractor comprising a shank portion with a claw at one end, a fulcrum-lug at the base of said claw, an arm E at right angles to the handle having a forwardly and slightly downwardly curved claw extending toward the claw formed at the end of said shank portion, as shown and described.

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

GEORGE BRYAR.

Witnesses:
JOHN A. SINCLAIR,
K. J. MACRAE.