

(No Model.)

C. W. BARNES.
Trace Fastening.

No. 230,166.

Patented July 20, 1880.

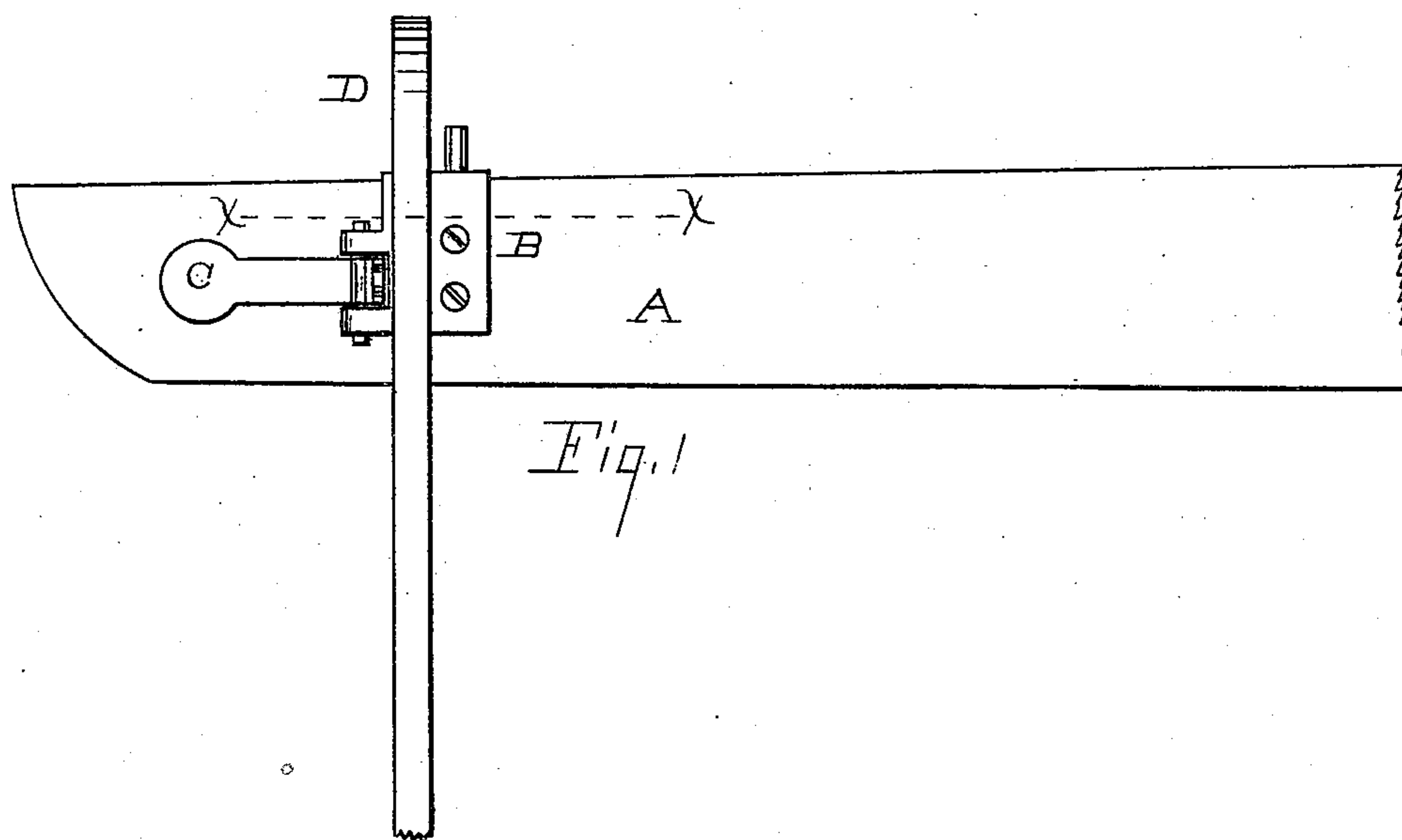


Fig. 1

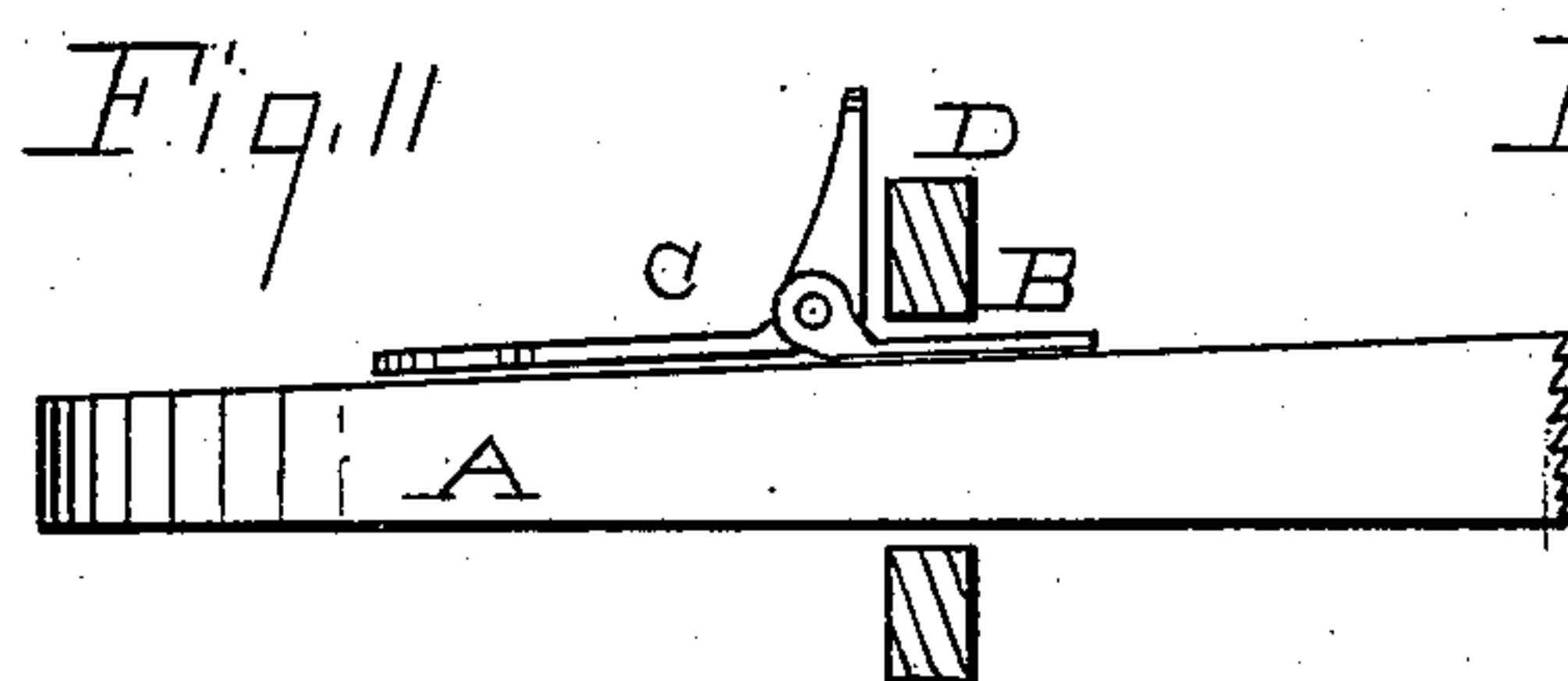


Fig. II

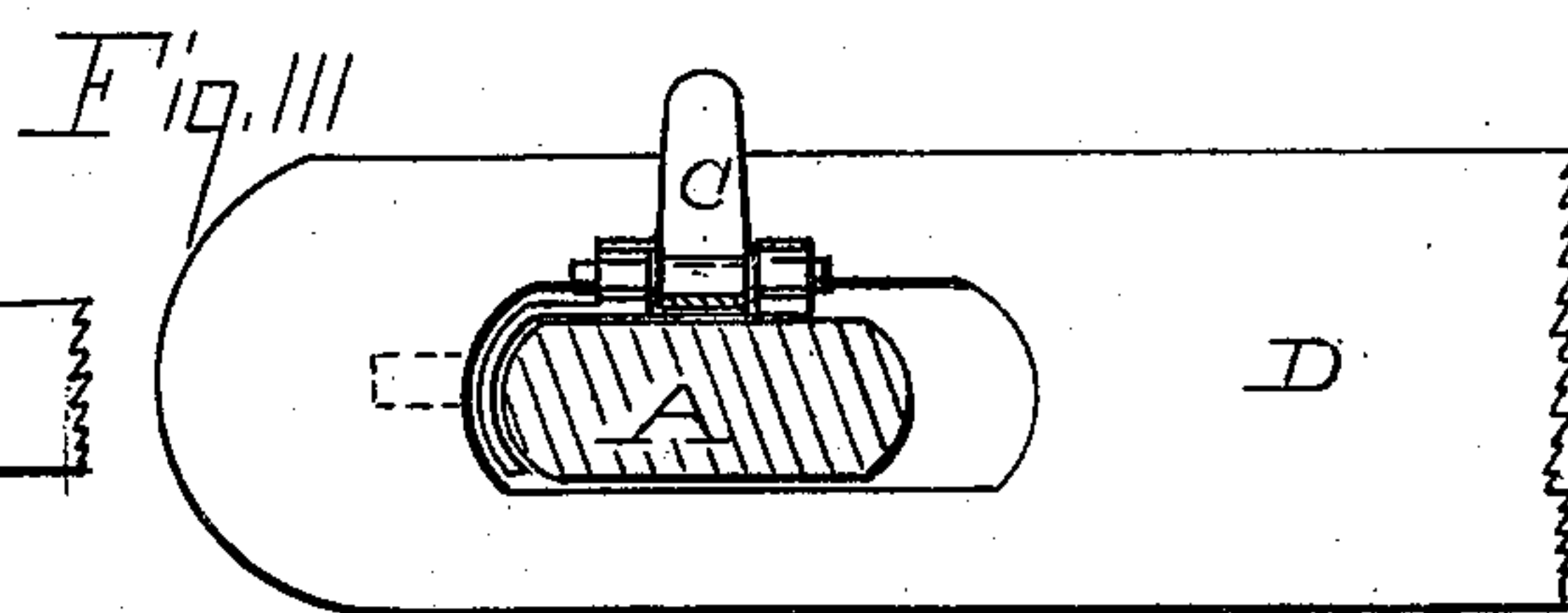


Fig. III

Witnesses.

B. Pickering
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Inventor

Charles W. Barnes.

UNITED STATES PATENT OFFICE.

CHARLES W. BARNES, OF RANDOLPH TOWNSHIP, (CLAYTON P. O.,) MONTGOMERY COUNTY, OHIO.

TRACE-FASTENING.

SPECIFICATION forming part of Letters Patent No. 230,166, dated July 20, 1880.

Application filed June 19, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BARNES, residing in Randolph township, county of Montgomery, and State of Ohio, have invented
5 a new and useful Trace-Fastening, of which the following is a specification.

My invention relates to a fastening attached to the ends of a single-tree, consisting of a plate, either with or without a rear extension
10 to embrace the rear of the single-tree, and to this plate is pivoted an angular gravitating catch, which serves to hold the trace from slipping from the same.

In the accompanying drawings, like letters
15 of reference on the several figures designate like parts.

Figure I is a top view of the trace-fastening as attached to a single-tree. Fig. II is a front view of the same. Fig. III is a side view.

20 A represents the end of a single-tree of the form generally in use for light purposes, and D a leather trace. B is a metallic plate having suitable eyes to support the catch C on a pin on which it freely moves. Of this plate
25 there is an extension beyond the dotted line x , which extension embraces the rear portion of the single-tree and prevents the same from wear. On this part there is a pin to the rear, which prevents the trace being carried beyond
30 its proper bearing.

The catch C is of the form of a right angle, and is pivoted to the plate as before described. The vertical part extends upward a little higher than the trace, and the horizontal part is made longer and heavier, so that by its own gravity
35 the catch maintains its position.

The operation is thus: The trace is passed over the end of the single-tree until it encounters the vertical part of the catch, which
40 is carried down; and when the trace is carried far enough to pass the catch it falls back, and the trace is thereby secured to the single-tree. To release the trace the vertical part must be pressed down on the single-tree and the trace drawn over in a reverse order.
45

The fastening may be constructed either with or without the rear extension.

What I claim as my invention, and desire to secure by Letters Patent, is—

The trace-fastening composed of plate B,
50 either with or without the rear extension, and the gravitating catch C, substantially as set forth.

CHARLES W. BARNES.

Witnesses:

B. PICKERING,
A. PEABODY.