

(No Model.)

T. P. EVANS.

STRAP BUCKLER AND WRENCH COMBINED.

No. 311,423.

Patented Jan. 27, 1885.

Fig. 1.

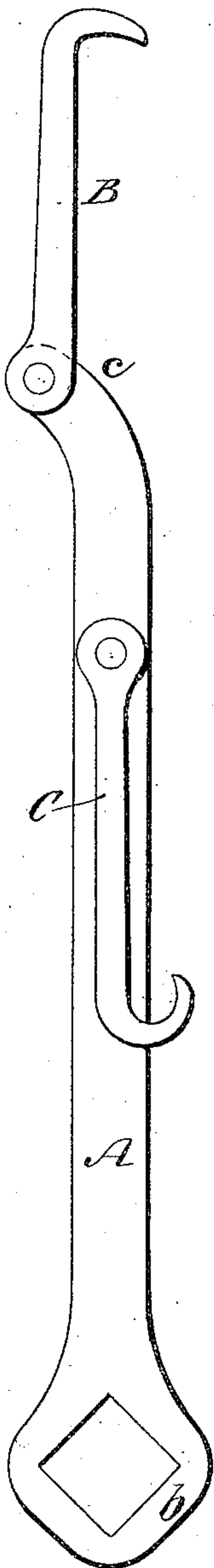


Fig. 3.

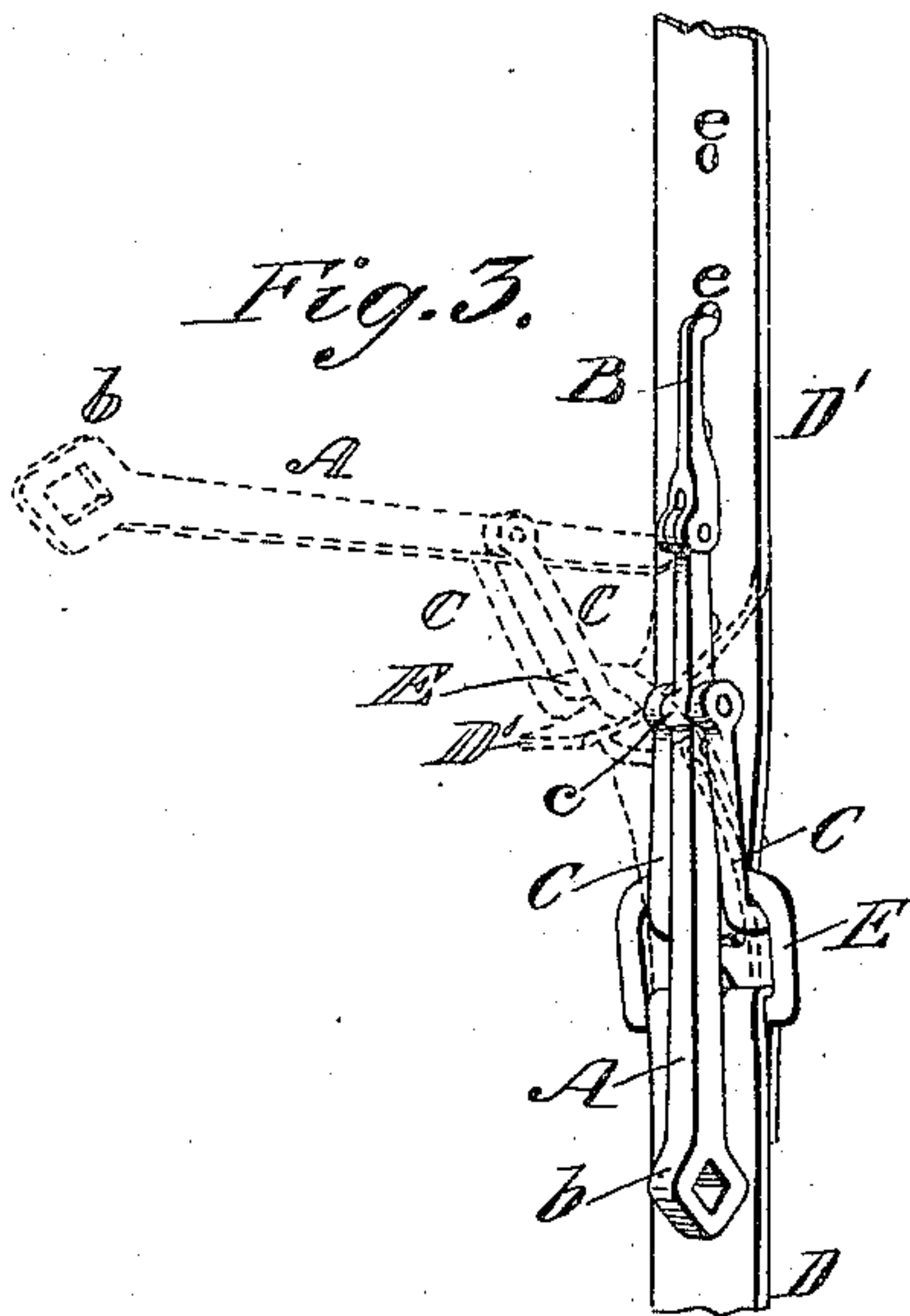
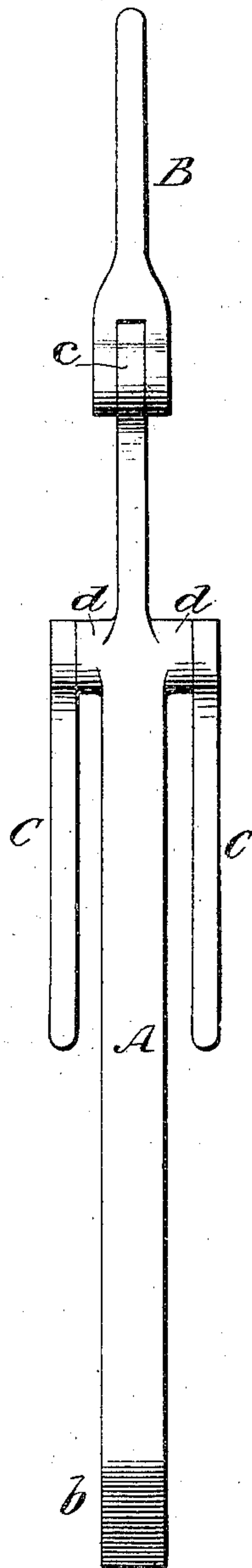


Fig. 2.



WITNESSES:

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THOMAS P. EVANS, OF PHILADELPHIA, PENNSYLVANIA.

STRAP-BUCKLER AND WRENCH COMBINED.

SPECIFICATION forming part of Letters Patent No. 311,423, dated January 27, 1885.

Application filed June 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS P. EVANS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Canvas or Strap Buckler with Wrench Combined, of which the following is a full, clear, and exact description.

This invention has for its object buckling or drawing together the ends of straps on the canvas of reaping and binding machines, also trunk and other straps; and it consists in a device of novel construction for such purposes, in which a lever has combined with it in a peculiar manner pivoted hooks that take into the buckle and engage with the strap, or end of the strap, which is fastened by the buckle, and so that when said lever is raised or moved away from the straps the drawing power of the device is increased when most needed—that is, when the greatest resistance is experienced in drawing the straps or ends of the strap together. The lever or handle part of the device I also construct so that it forms a wrench, which, when the device is used about a machine—as, for instance, a canvas-buckler for reapers and binders—will be found very useful.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a side view of my improved implement; Fig. 2, a longitudinal back view of the same, and Fig. 3 a view in perspective, showing the implement as applied to buckling a strap, or drawing the two ends of the same or different straps together to provide for the buckling of them.

A is the lever or handle portion of the device, which is here shown as constructed at its outer end, *b*, to form a wrench. The inner end, *c*, of said lever is slightly turned up, and has jointed or pivoted to it at such portion a hook, B, while the main or straight portion of the lever has jointed or pivoted on opposite sides of it, at a suitable distance from the end *c*, other two hooks, C C, that preferably are arranged to stand out some little distance from the sides of the lever by fitting them to

work on pivot-swells *d d* on the sides of the lever. On the contrary, the hook B is central, or in line with the lever. The hooks C C should be somewhat more bent to firmly grip the buckle than the central or line hook, B, which is only required to engage with one of the usual holes in the fastening end of the strap that the buckle unites with.

When applying the instrument, all the hooks have their noses pointed faceward or inward, and the several hooks lie longitudinally in the same direction as the lever, or thereabout, the hook B extending forward and the hooks C C extending backward, as clearly shown in Figs. 1 and 2.

To buckle a strap, or to draw the two strap ends D D' (shown in Fig. 3) toward each other, so as to facilitate or provide for the buckling of them, the device is applied with its hooks extended relatively to the lever, as described, and the hook B engaged with one of the usual buckling-holes, *e*, in the strap or strap end D', while the hooks C C are engaged with the buckle E on the strap or strap end D. The lever A is then raised, as shown by dotted lines in Fig. 3, to a position at right angles, or thereabout, to the straps D D', or is made as much farther in the same direction as may be required to give the strap the proper tightness, which action draws the hook B and hooks C C toward each other, and as a consequence the two strap ends D D' together, to provide for buckling of the strap or strap ends, the power increasing to tighten the strap or draw the strap ends together as the lever A is moved to or beyond the position shown for it by dotted lines in Fig. 3.

When the implement is used as a wrench, the pivoted hooks B C C may be closed on the handle or lever A.

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

1. In a canvas or strap buckler, the combination of the lever A, the pivoted central or line hook, B, at the inner end of said lever, and the two side hooks, C C, pivoted to said lever between the inner and outer ends thereof, and upon each side of a longitudinal plane

passing through the pivotal point of hook B, substantially as and for the purposes herein set forth.

2. In a canvas or strap buckler, the lever 5 or handle A, constructed at its outer end, b, to form a wrench, in combination with the pivoted forward central or line hook, B, and

the pivoted side hooks, C C, the whole forming a canvas or strap buckler and wrench combined, substantially as specified.

THOMAS P. EVANS.

Witnesses:

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