

(No Model.)

W. J. BUTLER.

DEVICE FOR TAKING UP LOST MOTION IN PITMEN.

No. 331,865.

Patented Dec. 8, 1885.

Fig. 1.

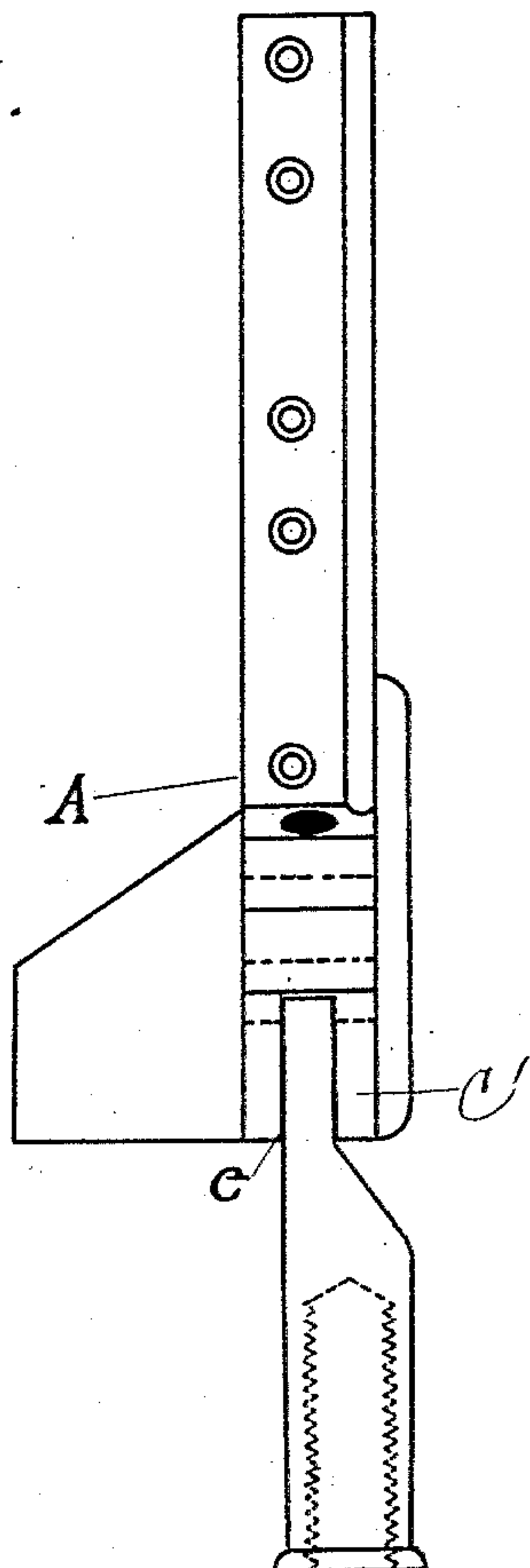


Fig 2

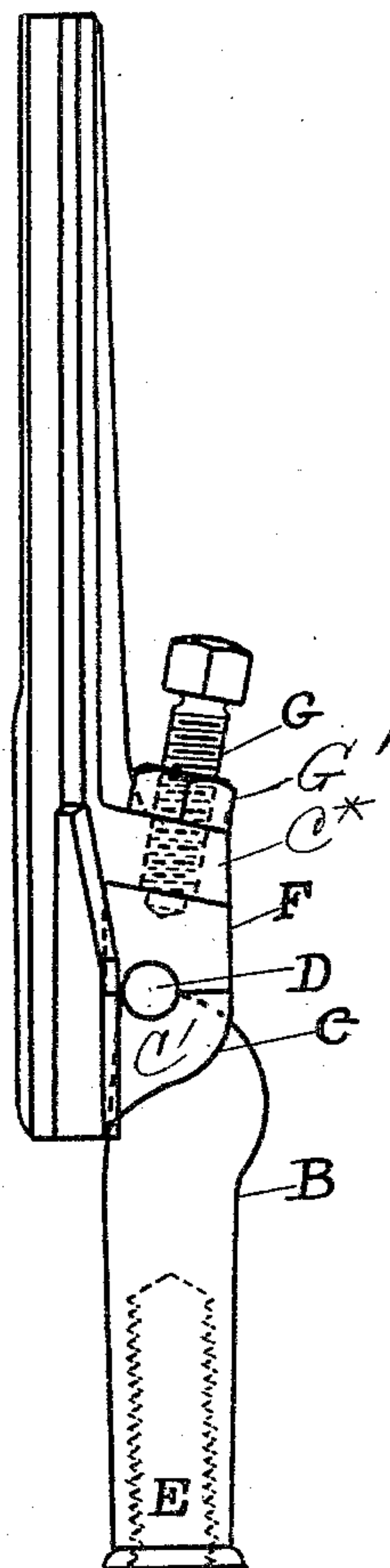


Fig 3 .



Fig. 4.



Fig. 5.



Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM J. BUTLER, OF SALINAS, CALIFORNIA.

## DEVICE FOR TAKING UP LOST MOTION IN PITMEN.

SPECIFICATION forming part of Letters Patent No. 331,865, dated December 8, 1885.

Application filed March 31, 1885. Serial No. 160,830. (No model.)

*To all whom it may concern:*

Be it known that I, W. J. BUTLER, of Salinas city, Monterey county, State of California, have invented a new and useful device in the form of an attachment for taking up lost motion in the pitman end for mowers, reapers, or other machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

My invention relates to a novel means of taking up lost motion in the pitman end of a mower or reaper or other similar machine.

The following description fully explains the nature of my invention, and the manner in which I proceed to construct, apply, and use the same, the accompanying drawings being referred to by figures and letters.

Figure 1 is a front elevation of my device. Fig. 2 is a side elevation of the same. Fig. 3 is an end view of the adjustable section of the box. Fig. 4 is a side view of the same. Fig. 5 is a front view of the same.

Referring to Fig. 1, the flanged plate A of the attachment shows screw-holes for fastening it to the sickle-bar and ribs and lip for support.

Referring to Fig. 2, the shoe B of the pitman, working in the slot C, is attached to the pin or shaft D, and at the end a threaded socket, E, for the pitman-bar. The pitman moves up and down in the slot which is provided for that purpose, and by which motion the cut is made higher or lower, as required. The adjustable section F of the box, which is adjusted and held in place by the set-screw G in the shoulder of the box, is the means for taking up the lost motion of the pitman end.

I am aware that pitman-eyes which have no slot for guiding the end of the pitman-socket have been formed with an adjustable section held in place in a recess on the interior of the eye, and provided with a turning-plug or set-screw on the exterior, which sets it further in or out, as desired.

In my device the movable or adjustable sec-

tion forms a part of the eye proper, and not a portion of the interior surface, as the above, and works between two fixed parts, one of which, C', forms one part or half of the pitman-eye, and the other, C\*, forms a bearing for the bolt or set-screw.

The part C' is provided with the slot C, into which the end of socket B is inserted. This slot holds part B from side motion. The nut G' set over the screw G, holds it against accidental change, as it forms a lock in conjunction with the threaded portion C\*.

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

1. In a pitman-eye, the combination of the fixed part C', forming one side of the bearing, a movable and adjustable section, F, forming the other side of the said bearing or eye, the fixed perforate screw-threaded part C\*, and the set-screw G, the said section F lying between the parts C' and C\*, and being acted upon by the screw, as set forth.

2. The combination of the portion B of the pitman, a fixed portion of the eye C', having a longitudinal slot, C, for the reception of the part B, and the adjustable section F, and set-screw G, all combined and arranged substantially as set forth.

3. The combination of the fixed portion of the eye C', a movable and adjustable section, F, forming the remaining portion of the eye, the fixed projection C\*, perforated and screw-threaded as described, the set-screw G, engaging in part C\*, and operating upon the section F, and the locking-nut G', placed over screw G and resting upon part C\*, as set forth.

In testimony whereof I have hereunto set my hand and seal.

W. J. BUTLER. [L. S.]

Witnesses:

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A. B. SMITH.