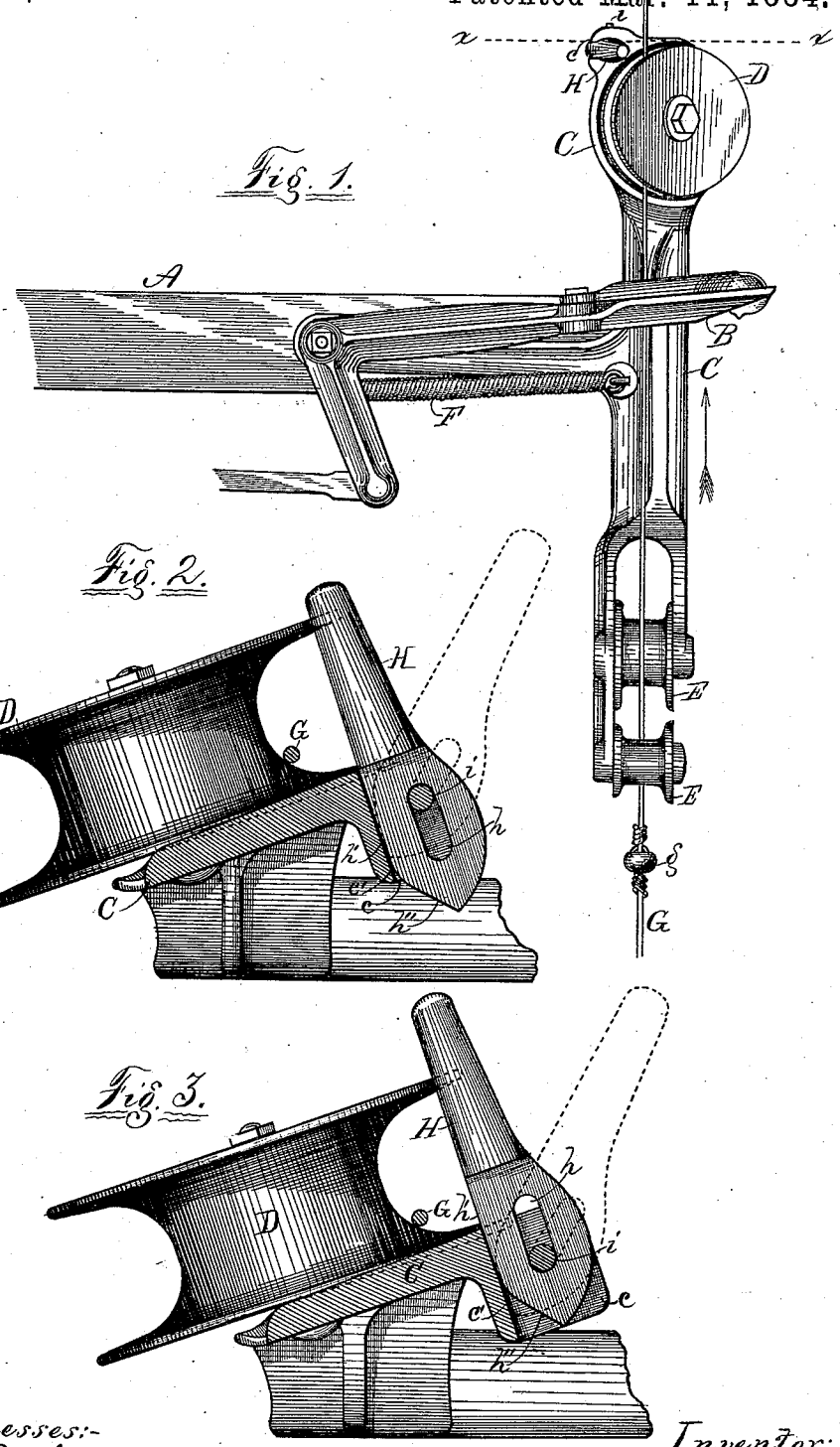
(No Model.)

G. W. BROWN.

CORN PLANTER CHECK ROWER.

No. 294,964. Patented Mar. 11, 1884.



Witnesses:-
S. R. Richards.
Frank H. Conners

Inventor:
George W. Brown,
By W. B. Richards, Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

GEORGE W. BROWN, OF GALESBURG, ILLINOIS.

CORN-PLANTER CHECK-ROWER.

SPECIFICATION forming part of Letters Patent No. 294,964, dated March 11, 1884.

Application filed December 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. BROWN, a citizen of the United States, residing at Galesburg, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Corn-Planter Check-Rowers; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to corn-planter check-rowers of that class in which a stretched tappet-wire is used to actuate the check-rower; and the invention consists in the use of an adjustable guard, which, while in one position, will retain the tappet-wire in one position relatively to the front guide-pulley and the forked lever, and which may be swung outwardly into another position, to permit of placing the wire on and removing it from the check-rower without bending the wire, all as hereinafter fully described.

In the annexed drawings, which illustrate one method of applying my improvement to a check-rower, Figure 1 is a top plan of one end of a check-rower. Fig. 2 is a sectional elevation in line *x x* in Fig. 1. Fig. 3 is same elevation as Fig. 2, but the parts shown in different relative positions from that shown at Fig. 2.

In the drawings I have shown one end of an ordinary check-rower, including the frame-bar A, forked lever B, head C, front guide-pulley, D, rear guide-pulleys, E, spring F, and tappet-wire G, with its tappets *g*. These parts, as shown, are of ordinary construction, and their mode of operation is too well known to require any description herein.

In check-rowers of the class I have shown, a guard-finger, H, is used to retain the wire in proper contact with the front guide-pulley, D, and the forked lever, and the position of this guard H, to be effective for that purpose, is about as shown at Fig. 1; hence in removing the wire from the check-rower and replacing it thereon, as is necessary at the ends of the rows being planted, the wire must be more or less bent if the guard-finger H is fixed in its position, as it has heretofore been. The lower end of my improved guard-finger is seated in a slot, *c*, in the head C, and is held therein by a pin, *i*, which passes through a slot, *h*, in said guard-finger. As shown by full lines at Fig. 2, the guard-finger is held in position and from swinging outwardly at its upper end by means of its lower part and side *h'*, resting against the rear wall, *c'*, of the slot *c*. By sliding the finger H upwardly until the pin *i* rests in the lower end of the slot *h*, as shown by full lines at Fig. 3, it (the finger H) may then be turned or swung outwardly at its upper end, as shown by dotted lines at Figs. 2 and 3, in which position it will be held by its lower part, *h''*, resting against the wall *c'*. While the guard-finger H is in the position shown by full lines in the drawings it will retain the tappet-wire in place, and while in the position shown by dotted lines it will permit of placing the wire or removing it readily and easily and without bending the wire.

This invention is applicable to any check-rower in which a guard-finger is used adjacent to the front guide-pulley.

It will be evident that the guard-finger may be held in position by a latch, or otherwise; hence I do not limit my claims to the specific method I have shown of holding it; but

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

1. In a check-rower, in combination, a supporting-head, forked lever, front guide-pulley, and a guard-finger adapted to swing away from said guide-pulley, substantially as and for the purpose specified.

2. In a check-rower, in combination, a supporting-head, forked lever, front guide-pulley, and a guard-finger hinged to the supporting-head by means of a slot, *c*, and pin *i*, and provided with a lower part, *h'*, adapted to come in contact with the part *c'* of the slot *c*, substantially as and for the purpose specified.

3. In a check-rower, in combination, a supporting-head, C, forked lever, front guide-pulley, and a guard-finger, H, constructed and hinged in the head C, substantially as and for for the purpose specified.

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

GEORGE W. BROWN.

Witnesses:

LOREN STEVENS,

I. S. PERKINS.