(No Model.)

A. M. SACKETT.

STOP FOR CHECK ROW WIRES.

No. 284,240. Patented Sept. 4, 1883.

FIG. 1.

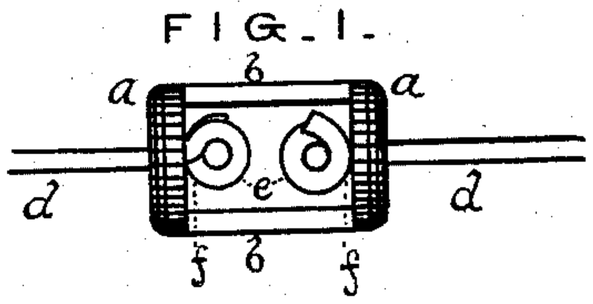


FIG. 3.

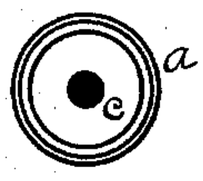


FIG. 2.

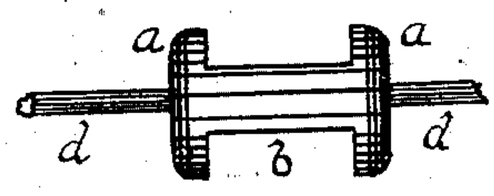


FIG. 4.

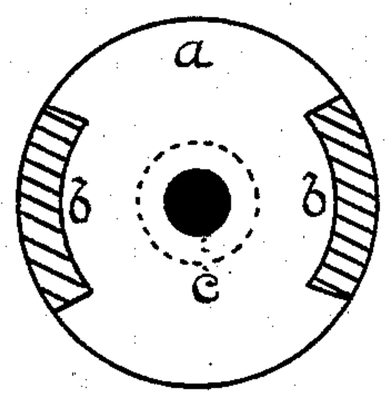
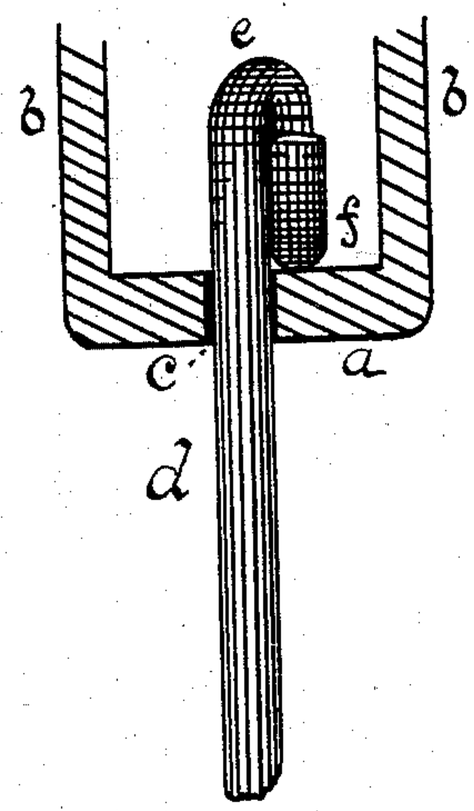


FIG. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED M. SACKETT, OF CLINTON, ILLINOIS.

STOP FOR CHECK-ROW WIRES.

SPECIFICATION forming part of Letters Patent No. 284,240, dated September 4, 1883.

Application filed December 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, A. M. SACKETT, of Clinton, in the county of De Witt and State of Illinois, have invented certain new and useful Improvements in Stops for Check-Row Wires, of which the following is a specification.

My invention consists in forming a knob on the end of the joints of check-row wire by coiling said wire on itself in the direction of its length, and in a pair of metal disks, of annular formation, connected from their peripheries by parallel bars, which form a receptacle for the knobs of the check-row wire, said disks having their outer surfaces partially rounded to better operate the check-row lever, and their opposing surfaces plane to form a swivel-joint with the before-mentioned knob on the check-row wire.

In the drawings accompanying and forming a part of this specification, Figure 1 is a side view of my combined stop and swivel. Fig. 2 is a top view, and Fig. 3 an end view, of the same. Fig. 4 is a cross-section of the stop, showing the figure described by the coil of the knob when acting as a swivel; and Fig. 5 is a broken longitudinal section through the bars of the stop, showing the position of the coil with relation to the hole in the end of the stop.

a a are the disks or buttons, provided with holes *c* and plane opposing faces, and connected by bars *b b*. *d* is the check-row wire, provided with coil *e*, that forms the swivel-surface *f*. The coil, in acting as a swivel, describes the figure shown by dotted lines in Fig. 4. The tension of the check-row wire, coming against surface *f* of coil *e*, only tends to shorten the bend and thereby strengthen the knob. By forming the disks with plane opposing faces only a small surface of the coil comes in contact therewith, and consequently the swivel acts freely, without any tendency to bind or cramp. The connecting-bars are placed at the peripheries of the disks to leave room for a free motion of the swivel-coils, and are made wide to afford greater protection for the same, and to expose, as near as possible, a solid surface to the check-row lever and other influences.

I claim—

1. The combination, in a check-row-wire swivel, of coil *e* and plane-surfaced annular disks *a*, substantially as shown and described.

2. A combined stop and swivel for check-row wire, consisting in the combination of disks *a a*, bars *b b*, and coils *e e* on wire *d*, all constructed and arranged to operate substantially as and for the purpose set forth.

A. M. SACKETT.

Attest:

WM. Z. DEWEY,

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