

T. FELCYN.
CHECK WIRE ANCHOR.
APPLICATION FILED DEC. 14, 1916.

1,247,249.

Patented Nov. 20, 1917.

Fig. 1.

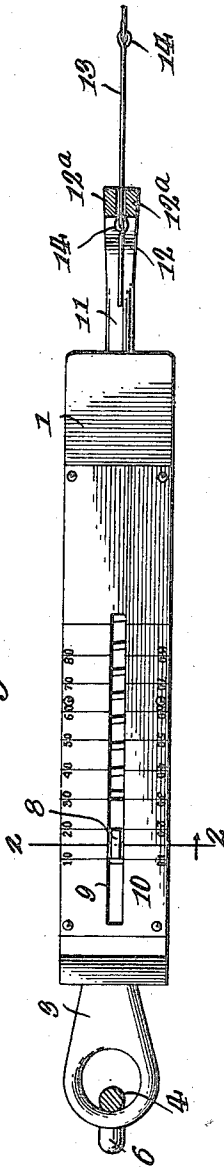
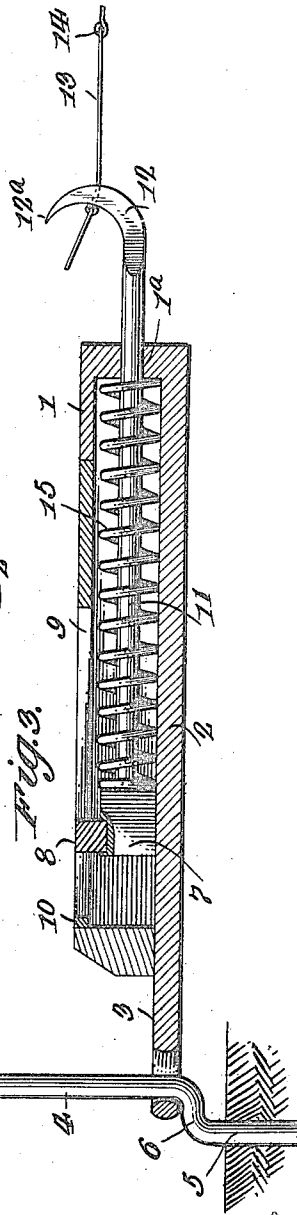
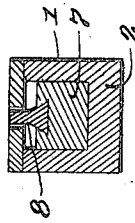


Fig. 2.



WITNESSES

Guy M. Spring
H. H. Babcock.

Thomas Felcyn INVENTOR

BY

Richard Owen.

ATTORNEY

UNITED STATES PATENT OFFICE.

THOMAS FELCYN, OF IVANHOE, MINNESOTA.

CHECK-WIRE ANCHOR.

1,247,249.

Specification of Letters Patent.

Patented Nov. 20, 1917.

Application filed December 14, 1916. Serial No. 136,989.

To all whom it may concern:

Be it known that I, THOMAS FELCYN, a citizen of the United States, residing at Ivanhoe, in the county of Lincoln and State of Minnesota, have invented certain new and useful Improvements in Check-Wire Anchors, of which the following is a specification.

This invention relates to anchors for corn planter wires, and more particularly to an anchor adapted to maintain a check wire for a check row corn planter at constant tension.

One of the main objects of the invention is to provide an anchor of the character stated of simple construction and operation.

A further object is to provide an anchor having a graduated scale whereby the tension of the wire at any stated time can be definitely ascertained.

A still further object is to provide an anchor which may be used with a wire of any standard construction.

Further objects will appear from the detailed description.

In the drawings:

Figure 1, is a top plan view of the anchor.

Fig. 2, is a section on line 2—2 of Fig. 1.

Fig. 3, is a central vertical longitudinal section.

The rectangular casing 1 is provided with an integral base plate 2 having, at one end, an eye 3. This eye is adapted to receive the upper section 4 of a stake 5 which is secured firmly in the ground. This stake is provided with an intermediate shoulder or offset 6, a short distance above the ground surface which positively limits the downward movement of the casing.

A block or head 7 is slidable within casing 1. This block carries an indicator 8 which is slidable in a slot 9 extending longitudinally of a plate 10 secured on the top of the casing. This plate is provided on its upper surface, at each side of the slot, with suitable graduations extending, in this case, from 10 to 80.

A rod 11 has its inner end secured in block 7, at the center thereof, and is slidable through a bore through the front 1^a of casing 1. This rod is provided on its outer end with an integral hook 12 which is bifurcated to form two spaced parallel claws 12^a. These claws are adapted to receive between them a check wire 13 of standard construction

which is provided, at suitable intervals, with tripping knobs or eyes 14.

In using my anchor, two pegs are employed, one at each end of the field. The wire is first secured through the hook 12 and inserted through the tripping fork of the planter. As the planter is drawn across the field to plant the initial row, which is to be used as the guide row, the wire operates the tripping fork so as to actuate the seeder mechanism in the usual manner. During this operation the coil spring 15 which is mounted about rod 11, and confined between the block 7 and the front 1^a of casing 1, exerts constant tension on the wire 13. As the wire passes through the fork, the eyes 14 rock the fork rearward and pass out of the prongs of the same in the usual manner. As soon as the fork is released from the eyes 14 it swings forward and is engaged by the succeeding eyes of the wire. This forward movement of the fork serves to prevent any appreciable slackness in the wire so that the spring 15 acts, at practically all times, to maintain the wire at constant tension. After the guide row has been run the guide stakes may be shifted to plant the succeeding rows in the usual manner. During the planting of each row the anchor will act to tension the wire in the manner previously described.

By moving the planter forward so as to exert a definite tension on the wire when starting the initial row, and thereafter starting each row with the same tension on the wire, uniformity in planting will be insured. For instance, assuming that the initial row is started with the indicator at 20, as in Fig. 1 of the drawings. By starting each succeeding row with the indicator at "20," the tension on the wire will be the same for each row. By having the tension the same uniform planting is secured.

As will be noted more particularly from Fig. 2 of the drawings the casing 2 is of substantially rectangular shape in transverse section and the block 7 is of such size as to fit snugly in the interior of the casing. As the block 7 is fixedly secured to rod 11 the block and casing thus co-act to prevent rotary movement of the rod while permitting free longitudinal movement of the same against the expansive force of the spring 15. This insures that the claws 12^a of hook 12 will be at all times directed upwardly, thus

eliminating all possibility of the hook being turned into such a position as to release the check wire 14. By this means I insure accurate operation of the anchor which provides a device of extremely simple construction and operation composed of a minimum of parts.

There may be slight changes made in the construction and arrangement of the different parts of my invention, without departing from the field and scope of the same, and I intend to include all such variations as fall within the scope of the appended claim in this application in which a preferred form only, of my invention is disclosed.

What I claim is:

In a check wire anchor, a casing closed at its ends and having a slot through one side provided with a scale adjacent said slot, a rod slidable through one end of the casing

and provided on its outer end with two spaced claws adapted to receive a check wire between them so as to be detachably secured to the said rod, said claws being of arcuate shape and directed upwardly, a block secured on the inner end of said rod, the said casing being of rectangular cross-section and the block fitting snugly within the casing whereby rotary movement of said rod is prevented, an indicator member carried by the block and projecting through the slot in said casing, and an expansion spring mounted about the rod and confined between the block and the end of the casing through which said rod passes.

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

THOMAS FELCYN.

Witnesses:

AUGUST J. KOWALSKI, Jr.,
OTTO W. MIANONAK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."