

(No Model.)

S. H. GARVER.

CHECK ROWER FOR CORN PLANTERS.

No. 306,823.

Patented Oct. 21, 1884.

FIG. 1.

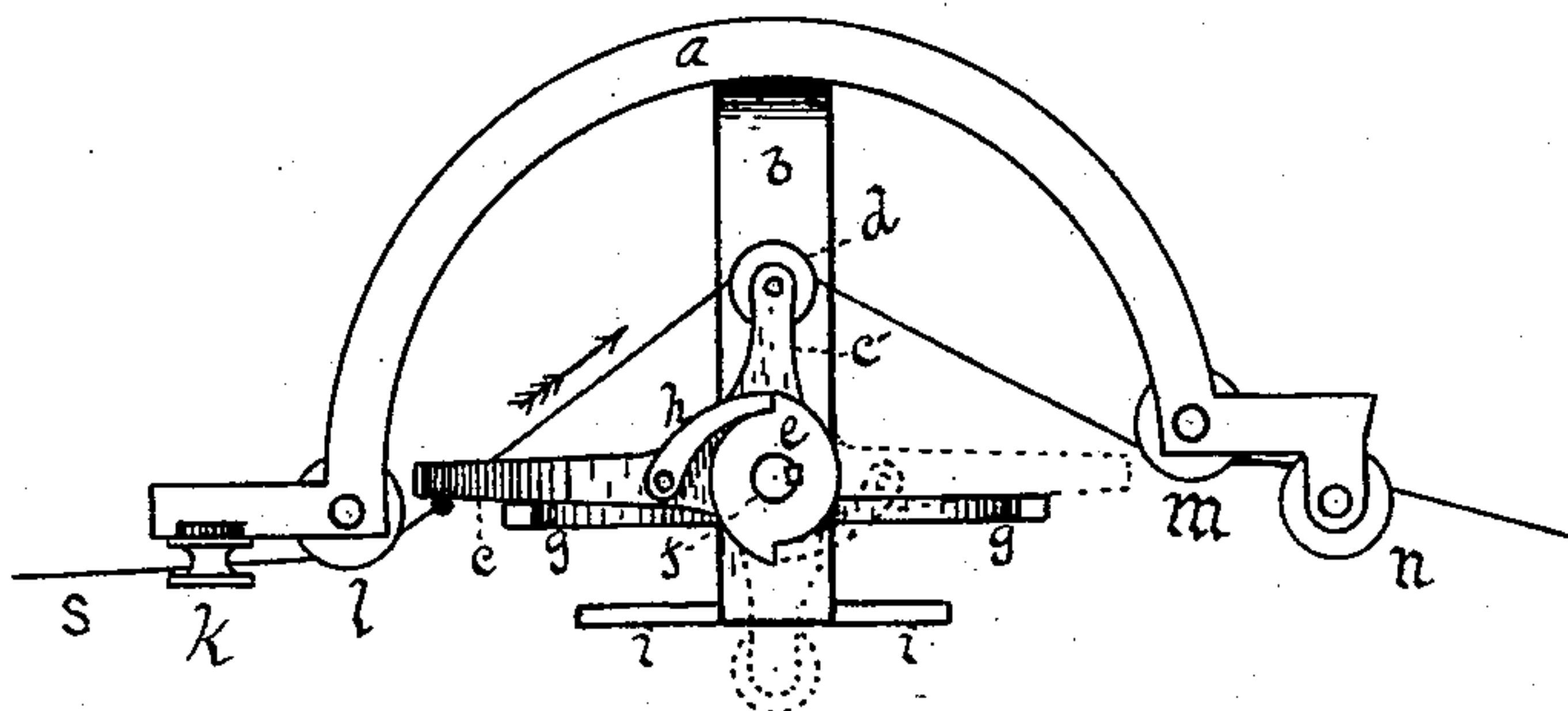
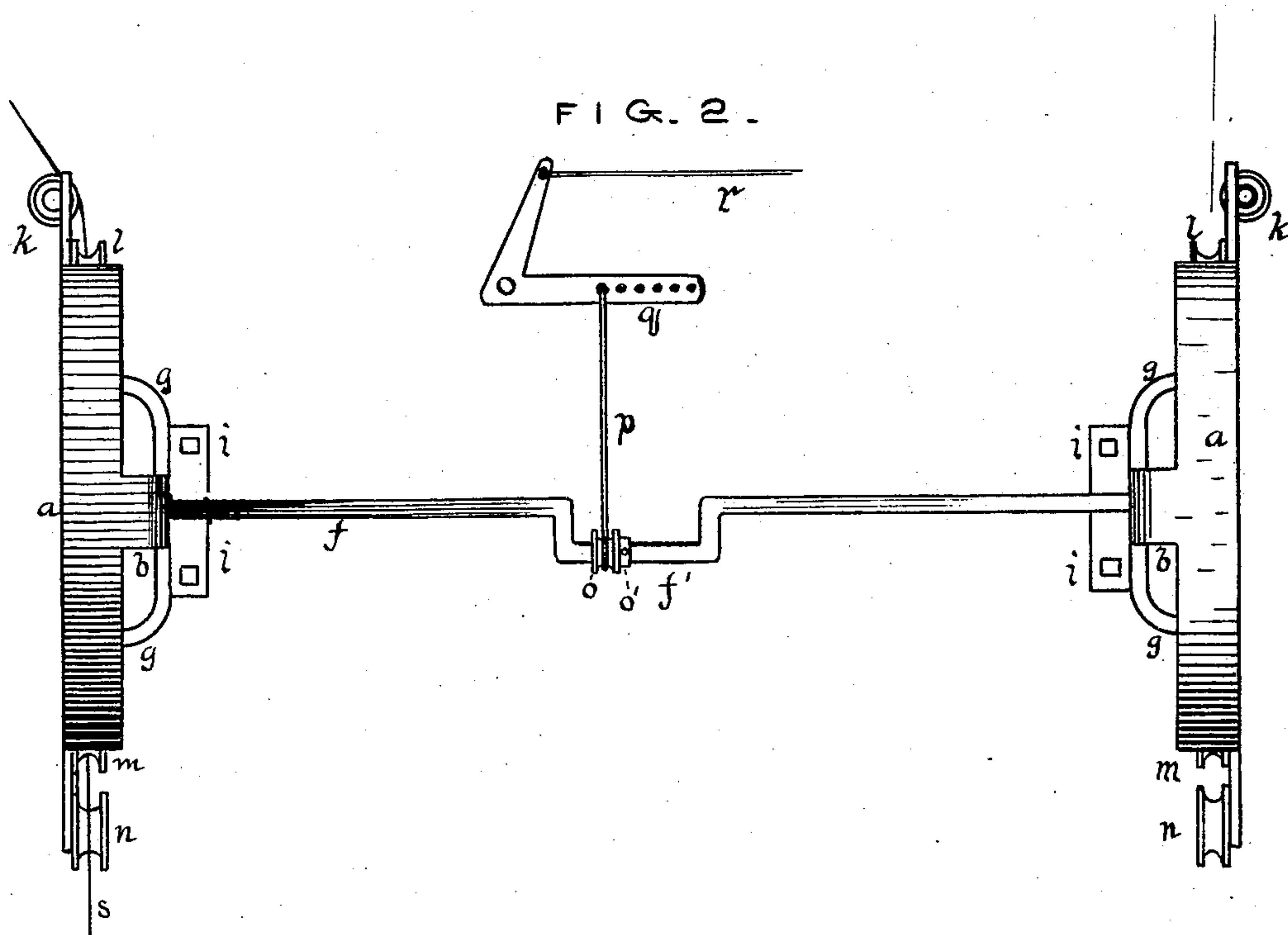


FIG. 2.



Witnesses
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CHECK-ROWER FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 306,823, dated October 21, 1884.

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

To all whom it may concern:

Be it known that I, SAMUEL H. GARVER, a citizen of the United States, residing near Decatur, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in Check-Rowers for Corn-Planters, of which the following is a specification.

In the drawings accompanying and forming a part of this specification, Figure 1 is an end view of my device, and Fig. 2 a plan of the same.

a is a segmental frame, to which the guide-pulleys are attached.

b is a vertical support for arched frame *a*.

c is the lever used to impart intermittent rotary motion in one direction to shaft *f*.

c' is a projection on lever *c*, whose function is to carry pulley *d*.

e is a ratchet-wheel rigid on shaft *f*.

g g act as stops to limit the throw of lever *c*.

h is a pawl on lever *c*, adapted to engage and operate ratchet *e*.

i i are lugs used to secure supports *b b* to the planter.

k is a receiving-pulley pivoting on a vertical pintle.

l is a receiving-pulley pivoting on a horizontal pintle.

m and *n* are discharging-pulleys for the wire.

d is a pulley adapted to hold the wire in proper position to operate the lever *c*.

s is the check-row wire.

f' represents a crank-bend in the shaft *f*.

o is a revolving collar on crank-bend *f'*.

o' represents a set-screw for adjusting the position of collar *o* on the shaft.

p is a rod that connects collar *o* with bent

lever *q*. *r* connects lever *q* with the seed-slides of the planters.

In operation, the stops on the wire, operating in the bifurcation of the lever *c*, cause said lever to assume the position indicated by the dotted lines in Fig. 1, and impart a semi-revolution to the shaft through pawl *h* and ratchet *e*. The semi-revolution of the shaft produces a complete throw of lever *q*, and a consequent operation of the seed-slide of the planter. A suitable spring is relied on to carry the lever to its original position, and the operation is continued as above described.

To lengthen or shorten the stroke of the check-rower in order to conform to the drop of various planters, collar *o* is adjusted on the shaft and rod *p* transferred to a suitable hole in the lever *q*.

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

1. The combination of lever *c*, projection *c'*, pulley *d*, pawl *h*, ratchet *e*, and shaft *f*, as and for the purpose set forth.

2. The combination of shaft *f*, provided with crank-bend *f'*, lever *c*, pawl *h*, ratchet *e*, and bent lever *q*, as and for the purpose set forth.

3. The combination of shaft *f*, provided with crank-bend *f'*, lever *q*, provided with a series of adjusting-holes, and adjustable collar *o*, as and for the purpose set forth.

4. The combination, with shaft *f* and pulleys *k l m n*, of vertical support *b* and arched frame *a*, as and for the purpose set forth.

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Witnesses:

WILLIAM SPANGLER,
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