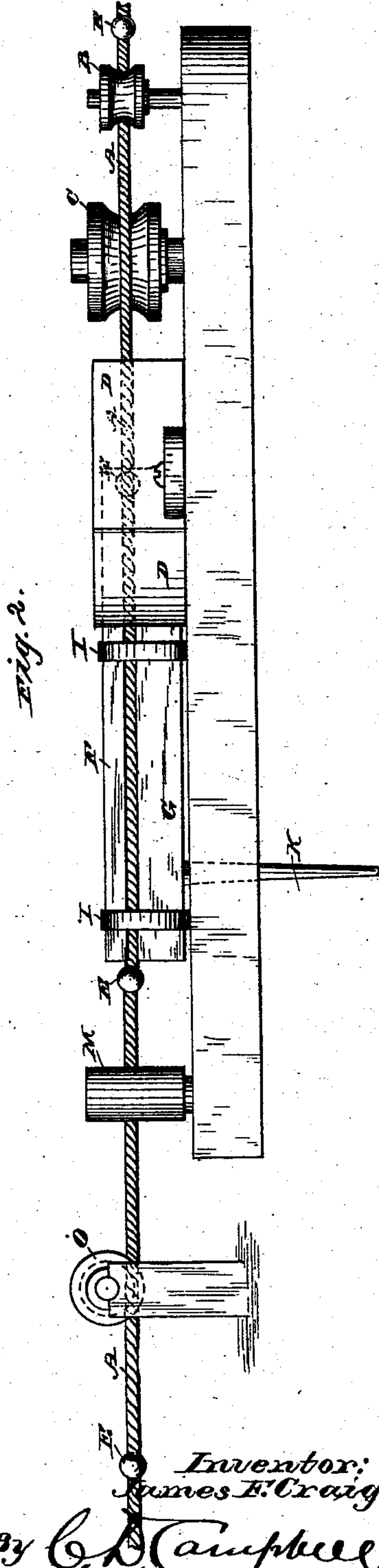
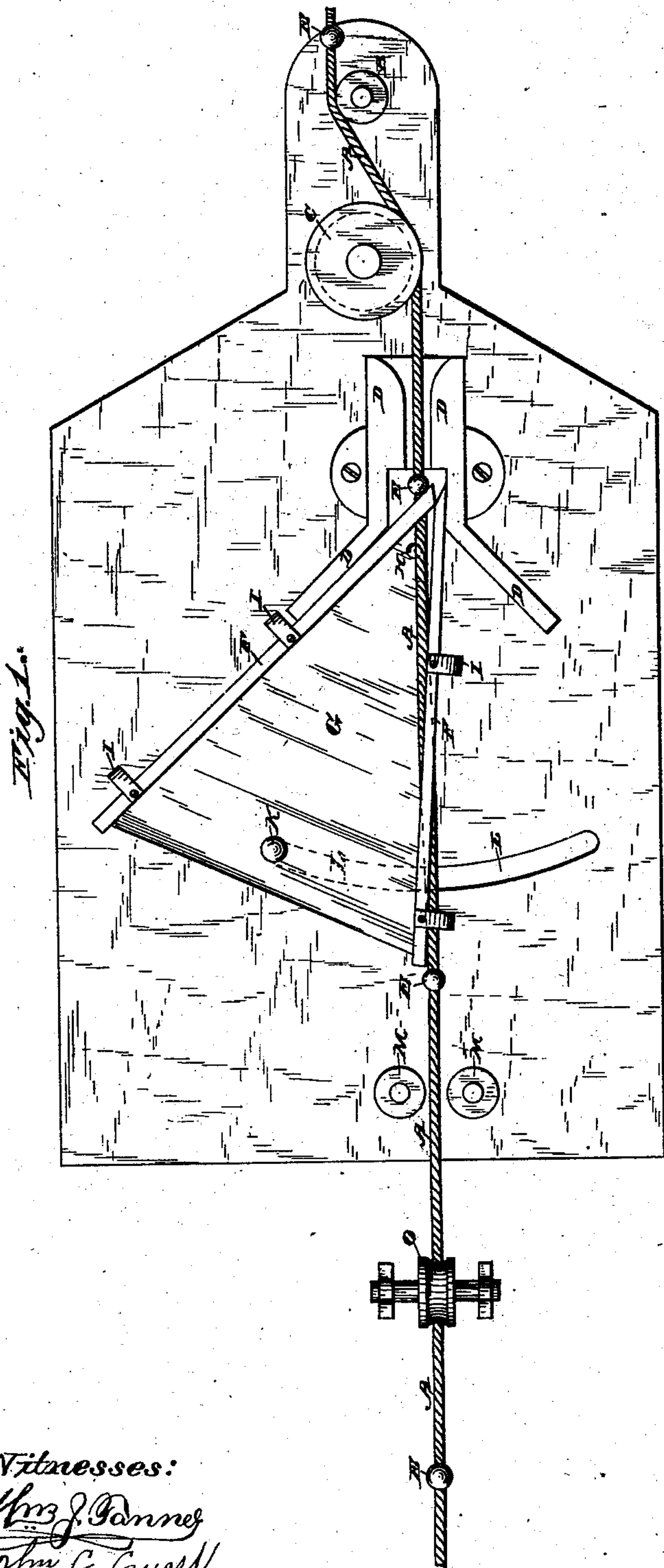


(No Model.)

J. F. CRAIG.  
CHECK ROW PLANTER.

No. 289,987.

Patented Dec. 11, 1883.



Witnesses:  
*Wm. J. Pannet*  
*Wm. J. Fayard*

Inventor:  
*James F. Craig*  
By *C. D. Campbell*  
Atty

# UNITED STATES PATENT OFFICE.

JAMES F. CRAIG, OF WEST LIBERTY, OHIO.

## CHECK-ROW PLANTER.

SPECIFICATION forming part of Letters Patent No. 289,987, dated December 11, 1883.

Application filed February 28, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES F. CRAIG, a citizen of the United States, and a resident of West Liberty, in the county of Logan and State of Ohio, have invented a new and useful Check-Row Planter, of which the following is a specification.

The object of my invention is to give a simple means for operating the dropper of a corn-planter at regular intervals, so as to do away with the old manner of marking out a field.

A represents the rope or chain now in use, which is stretched from one side of the field to the other, and has round balls E three and a half feet apart, or such distance as desired to space the rows—i. e., to have the hills separated.

On the front of the corn-dropper I arrange my apparatus, which consists of a pivoted triangular piece, G, having raised guards, under which the rope passes freely, but too low to admit of the balls passing under. The rope passes around pulleys C, or other tightening devices, before reaching the shifting-block, and as the rope passes under the front end of one of the guards F the ball E comes in contact with the outside of the guard and shifts the triangular block G on its pivot H, so as to bring the front end of the opposite guard across the path of the channel between the blocks D.

The next ball throws the shifting-block back again.

At K is a pin playing in slot L, and which connects with the operating-lever of the dropper, so that the dropper is reciprocated at the proper times to drop the corn at the proper distances apart.

A is the rope; B C, pulleys to keep rope taut; D, guides for the rope to run between; G, triangular shifting-board; F, raised guides; I, bent arms holding guides F up, and through which balls E run; H, pivot on which shifting-board plays; K, pin which plays through slot L and operates the dropper; M, rollers for rope to pass between; O, pulley under which rope passes.

I am aware that pivoted plates operated by the balls on the line are used for the same purpose as mine, but I herein limit myself to my exact devices as follows.

What I claim is—

The combination, with the rope A, having balls E, of the guide-blocks D, triangular plate G, pivoted and playing on its support-piece and having raised guards F, and pin K, as and for the purpose specified.

JAMES F. CRAIG.

Attest:

S. M. CRAIG,  
C. D. CAMPBELL.