

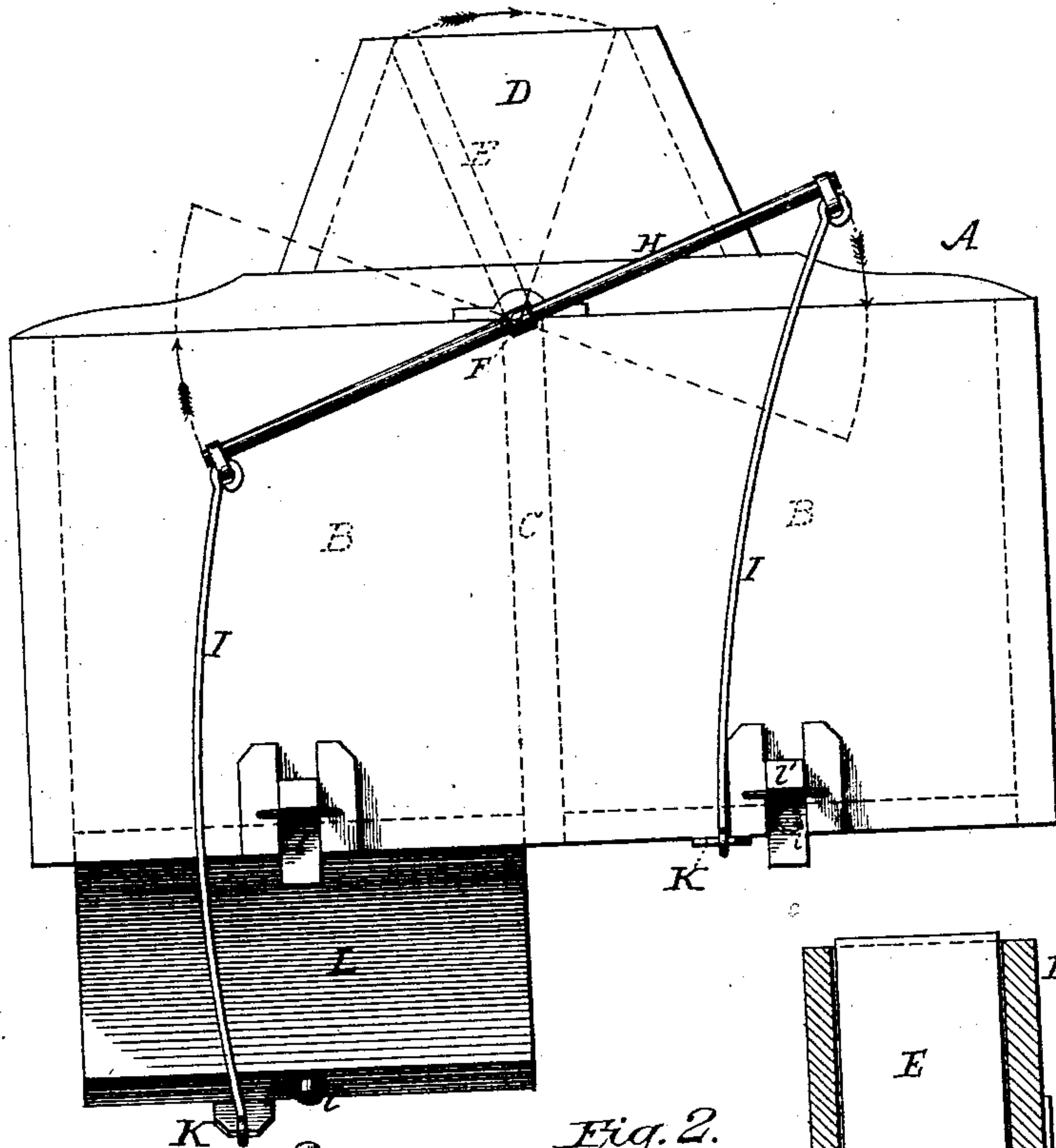
(No Model.)

J. C. BROOKS.  
Grain Meter.

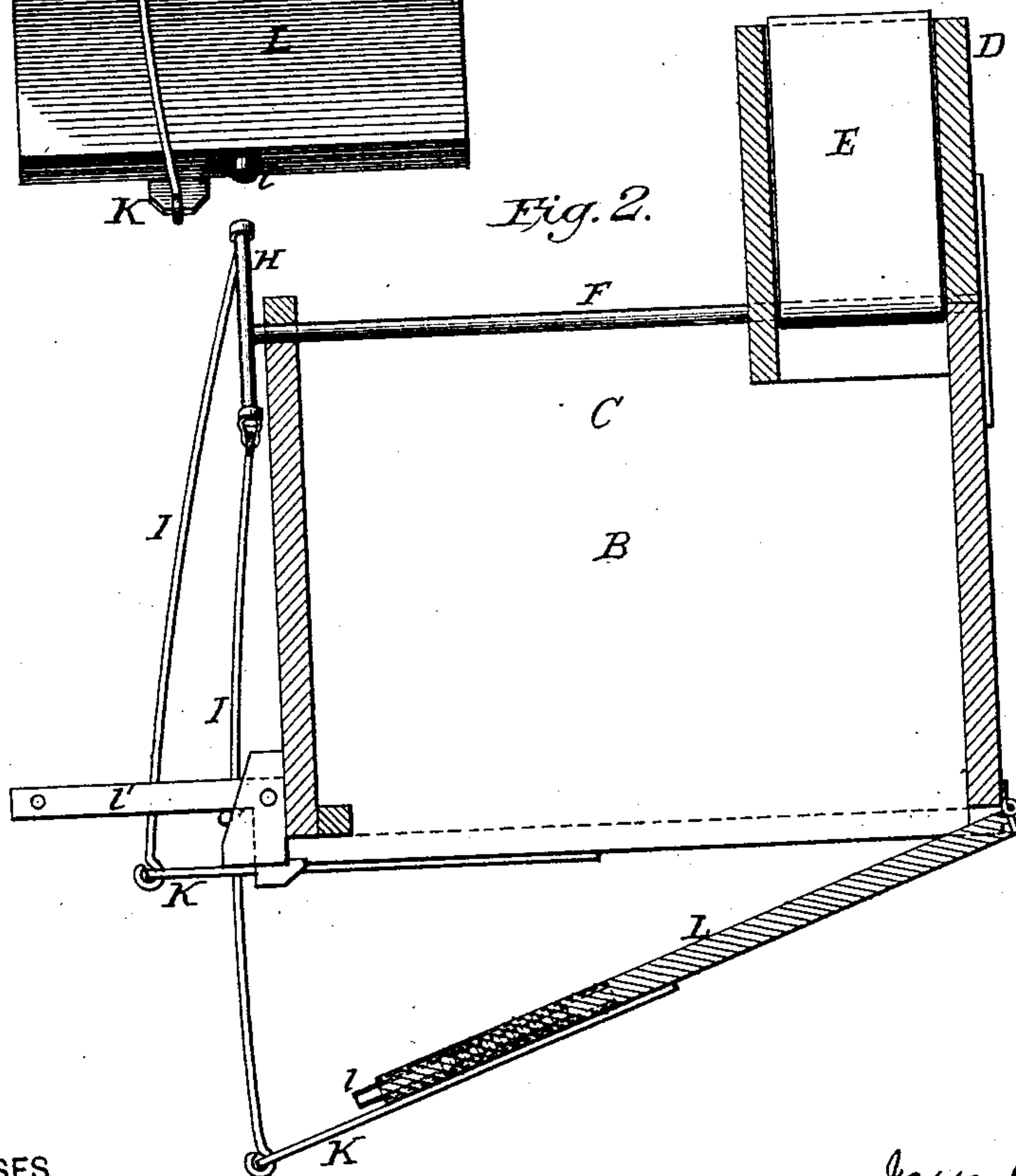
No. 234,951.

Patented Nov. 30, 1880.

*Fig. 1.*



*Fig. 2.*



WITNESSES

*John A. Ewing.*  
*W. H. Singleton.*

INVENTOR

*Jesse C. Brooks.*  
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# UNITED STATES PATENT OFFICE.

JESSE C. BROOKS, OF DARLINGTON, INDIANA.

## GRAIN-METER.

SPECIFICATION forming part of Letters Patent No. 234,951, dated November 30, 1880.

Application filed October 9, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE C. BROOKS, of Darlington, in the county of Montgomery and State of Indiana, have invented a new and valuable Improvement in Grain-Meters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is an elevation. Fig. 2 is a vertical section.

This invention relates to devices for measuring grain in its transfer from one receptacle to another, whereby the help of several men is dispensed with.

The invention consists in the details hereinafter specified.

In the drawings hereto annexed, A represents the device, consisting of the two cubical apartments B B, which are to be of any determined capacity, so that the amount of grain measured may be known. Resting upon the partition C, between the apartments, is the hopper D, having openings leading into the said apartments, one on each side of the partition. Within the hopper there is a tongue, E, which is adapted to alternately close each of the openings leading down from the hopper. This tongue E rocks upon a shaft, F, which passes through the hopper and along the top of the partition C. At the opposite end of the measurer from the hopper there is fastened to the said shaft the middle of a rod, H, which said rod extends in opposite directions from the shaft F, and to its ends are secured the connecting-rods I I, whose lower ends are fastened to the straps K K, which are attached to the hinged bottoms L L of the apartments B B. The said bottoms L L are held shut by the pins l l and catches l' l'.

As the tongue E is vibrated to open and close the openings leading into the apartments, the bottoms are also alternately opened and closed through rods I I and H and shaft F,

the arrangement being such that as the tongue closes an opening it opens the bottom belonging to the same apartment.

The hopper is placed under the chute leading from the elevator, or grain may be thrown in in any manner, and each apartment is filled and emptied, and the grain leaving the measurer passes to the desired place.

By this construction a device is made which can be operated readily by one person, and the labor of several ordinarily employed is dispensed with.

I am aware that a grain-meter consisting of a receptacle having two chambers and an oscillating angular bottom operated by jointed braces and rods is not new, as a construction of this character may be seen in Patent No. 183,049, October 10, 1876. I do not claim this construction herein, but desire to limit myself to the construction herein shown and described.

When the one of the compartments B which is closed has been filled, the latch l' is tripped to release the pin l. The hinged bottom L of this compartment will descend, rock the rod H, shift the tongue E, and close the hinged bottom L of the other compartment B, which will be then filled and operated in a like manner.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a grain-meter, the combination, with the receptacle A, having compartments B B, provided with the hinged bottoms L L, having straps K K, and pins l l projecting from their forward edges, of the rocking rod H, shaft F, tongue E, rods J J, and the pivoted latches l' l', constructed substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JESSE C. BROOKS.

Witnesses:

JOHN HOWARD,  
R. C. JACKMAN.