

J. R. CONDON.  
MEASURING DEVICE.  
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954,782.

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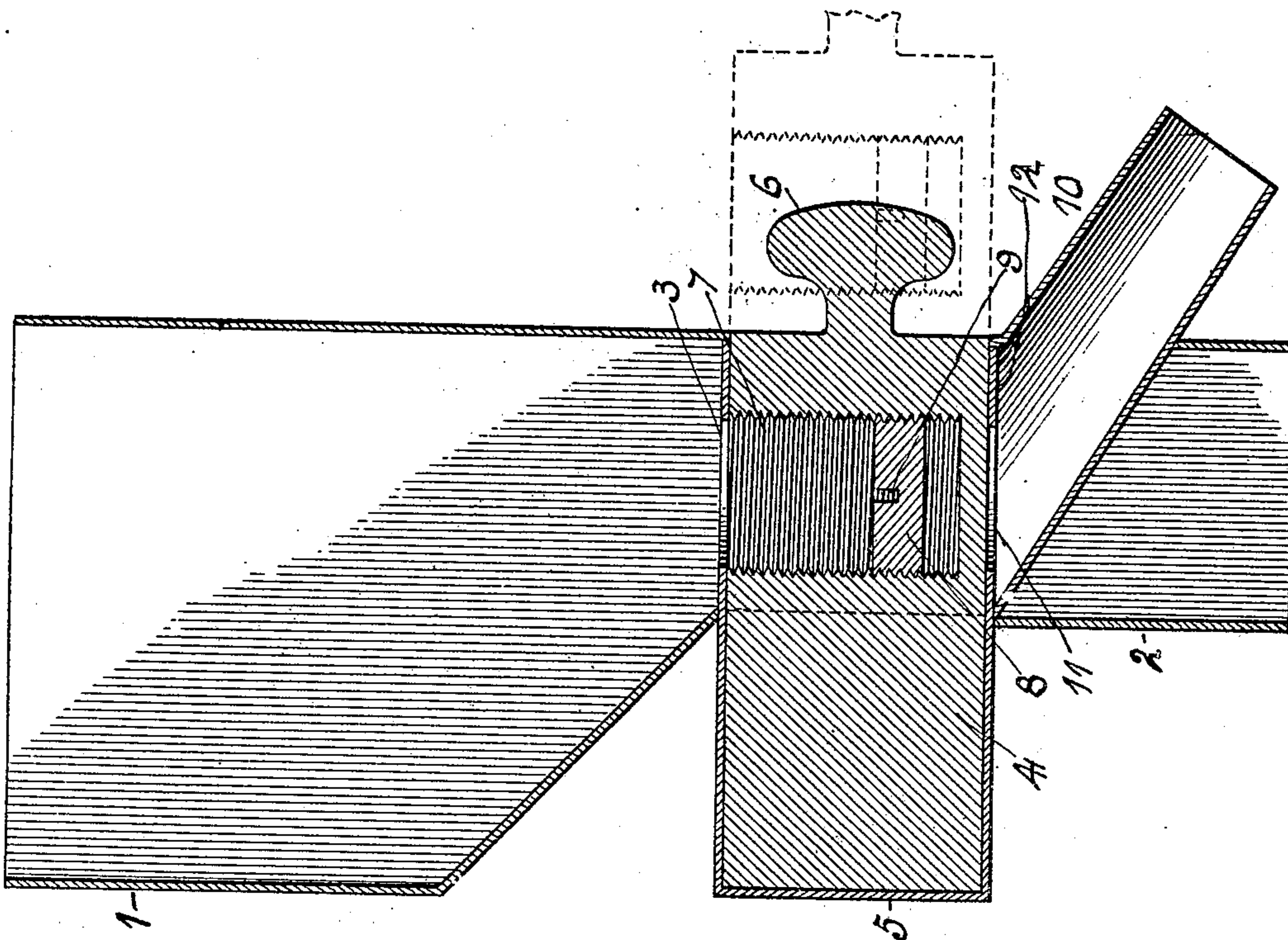


Fig. 2.

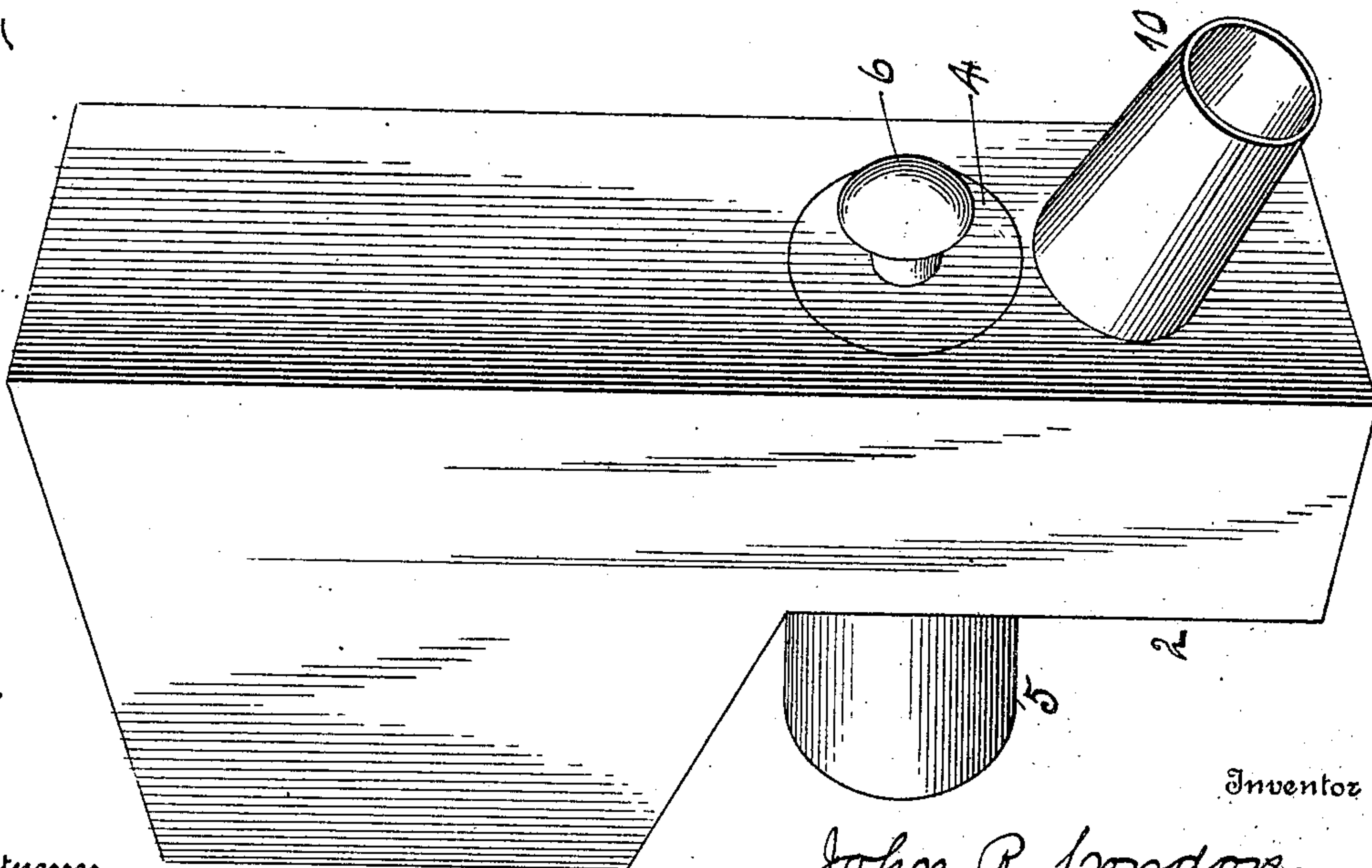


Fig. 1.

Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN R. CONDON, OF ROCKFORD, ILLINOIS.

MEASURING DEVICE.

954,782.

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*To all whom it may concern:*

Be it known that I, JOHN R. CONDON, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Measuring Devices, of which the following is a specification.

The object of this invention is to construct a measuring device especially for seeds, which can be adjusted to deliver varying quantities.

In the accompanying drawings, Figure 1 is a perspective view of my improved measuring device. Fig. 2 is a vertical central section.

The hopper 1 has a vertically arranged section 2 at its lower end and a communication is formed between them through the opening 3. Within this section 2 is located a cylinder 4 guided in a tubular extension 5 which is of a length to permit a lengthwise movement of the cylinder therein. This cylinder has a knob 6 forming a part thereof, and an internally screw-threaded recess 7 within which is located a screw-threaded plug 8 provided with a notch 9 which will admit a screw-driver and by which the plug may be turned to create more or less space between the plug and the open end of the recess.

A discharge spout 10 extends from the section 2 and communicates with an opening 11 in the partition 12. When the cylinder 4 is in the position shown in solid lines Fig. 2, the recess 7 therein is beneath the opening 3 communicating with the hopper 1.

With seed in the hopper, the recess 7 will readily fill when the cylinder 4 may be turned a one-half revolution which will discharge the seed through the discharge spout 10. The cylinder is then turned to present the recess under the opening 3 when it will again be filled. This operation may be repeated so long as the quantity delivered remains unchanged.

In order to adjust the screw-threaded plug without emptying the seed from the hopper 1, the cylinder is turned so that the recess 7 will be in position to discharge into the discharge spout. The cylinder is then withdrawn in the lengthwise direction until the recess is exposed outside of the section 2 and then turned axially to bring the recess

in its uppermost position as shown in dotted line Fig. 2, when the plug can be turned to leave the space necessary between it and the open end of the recess to hold the required quantity of seed. The cylinder is then moved inward to bring the recess beneath the opening 3 when it can be manipulated as before.

I claim as my invention.

1. In a measuring device, the combination with a holder or receptacle, of a casing located beneath the same and having an inlet opening in its top that communicates with the holder or receptacle, and also having a discharge opening in its bottom alined with the inlet opening, a rotary measuring cylinder having a pocket opening through one side and movable into register with both openings, the walls of said pocket being threaded, and a plug constituting the bottom of the pocket, said plug extending completely across the pocket and being adjustably threaded into the same with its outer end located inside the face of the pocket and provided with means whereby it can be turned, so that it may be screwed toward and from the mouth of the pocket.

2. In a measuring device, the combination with a hopper having a downwardly extending portion provided with a discharge spout, of a substantially horizontal cylindrical casing located in said portion above the spout and having an upper inlet, and a lower outlet opening, a rotary and longitudinally movable cylinder located in the casing and having a forwardly extending handle that projects from the front end thereof and constitutes means for both rotating and longitudinally moving the cylinder, said cylinder having a pocket provided with an open mouth that moves into register with the openings of the casing, said pocket having threaded walls, and a plug adjustably threaded into the pocket and constituting the bottom thereof, said plug having a screw-driver receiving slot in its outer end that is accessible when the cylinder is moved longitudinally to expose the mouth of the pocket.

3. In a measuring device, the combination with a hopper having a discharge opening, of a casing arranged beneath the opening, a cylinder located within the casing and having an internally screw threaded trans-

versely disposed recess therein, a plug adjustably threaded in the recess and having its outer end within the pocket provided with a tool-engaging portion, the cylinder  
5 being capable of axial and longitudinal movement, and a discharge spout located beneath the cylinder and casing.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN R. CONDON.

Witnesses:

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E. D. E. N. BEHEL.