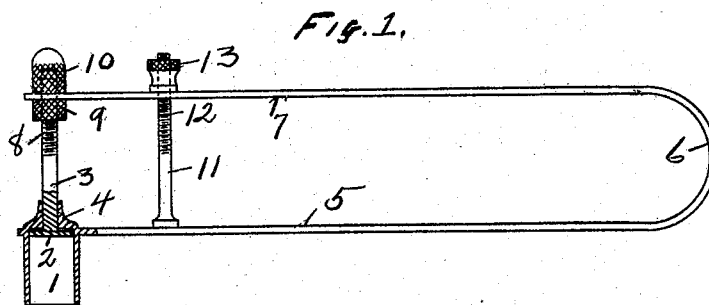
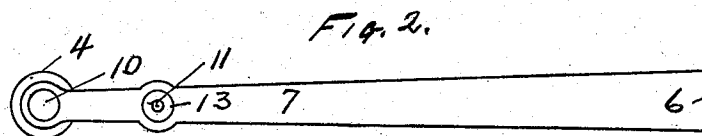


A. A. RICKERT.
POWDER MEASURING DEVICE.
APPLICATION FILED NOV. 15, 1907.

910,955.

Patented Jan. 26, 1909.



Witnesses
L. R. Kane
Dayton

Inventor
August A. Rickert
By H. C. L. and
Attorney

UNITED STATES PATENT OFFICE.

AUGUST A. RICKERT, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-THIRD TO ZACHARY T. BRINDLEY AND ONE-THIRD TO CHAS. E. ROYER, BOTH OF ERIE, PENNSYLVANIA.

POWDER-MEASURING DEVICE.

No. 910,955.

Specification of Letters Patent.

Patented Jan. 26, 1909.

Application filed November 15, 1907. Serial No. 402,283.

To all whom it may concern:

Be it known that I, AUGUST A. RICKERT, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented new and useful Improvements in Powder-Measuring Devices, of which the following is a specification.

This invention relates to powder measuring devices, and consists in certain improvements in the construction thereof as will be hereinafter fully described and pointed out in the claims.

The device is peculiarly adapted for use by druggists in measuring out prescription powders.

The invention is illustrated in the accompanying drawings as follows:

Figure 1 shows a side elevation of the device, the measuring cylinder being in section to better show the construction. Fig. 2 shows a plan view of the device.

1 marks the measuring cylinder. The plunger 2 is arranged in this cylinder. The stem 3 extends from the plunger through the head 4, the head 4 being preferably of some thickness to form a guide for the stem when the plunger is at its extreme inward position.

A handle extends laterally from the cylinder 1, and has means on it within the grasp of the operator while holding the handle for actuating the plunger. The handle is in the form of the spring loop formed by the sides 5 and 7 and end 6; the side 5 is fixed on the cylinder 1, and the side 7 has a perforation at its end through which the stem 3 extends. The stem 3 is screw threaded at 8, and nuts 9 and 10 are arranged above and below the side 7, so that any movement of the side 7 carries with it the stem 3 and plunger 2.

In use the operator grasps the handle formed by the spring loop and presses the cylinder into the powder. The powder completely fills the cylinder and will adhere to the walls thereof, so that it may be removed from the mass of powder. The operator then presses down on the side 7. This moves the plunger in the cylinder and discharges the powder in the cylinder.

It is desirable to vary the extent of the movement of the plunger 2, so as to vary the charge measured by the device. It is also desirable to have the plunger 2 so adjusted as to move to a position flush with the bot-

tom of the cylinder with each operation, so as to assure the complete discharge of all the powder in the cylinder.

A post 11 is fixed on the side 5 and extends through the side 7. It is screw threaded at 12 and provided with a nut 13. By turning the nut 13 the extent of movement of the side 7 may be so limited as to vary the outward movement of the plunger 2 as desired.

By removing the nuts 9 and 10 the plunger 2 may be removed for cleaning if desired.

What I claim as new is:

1. In a powder measuring device, the combination of the measuring cylinder; a plunger therein; a handle extending laterally from the cylinder, said handle being in the form of a spring loop with one side of the loop secured to the cylinder, and the spring of the loop tending to separate the sides of the loop; means for securing the other side of the loop to the plunger; and an adjusting device extending from one side of the loop to the other and limiting the separation of the sides of the loop for regulating the extent of the movement of the plunger.

2. In a powder measuring device, the combination of the measuring cylinder; a plunger therein; a handle extending laterally from the cylinder, said handle being in the form of a spring loop with one side of the loop secured to the cylinder, and means for securing the other side of the loop to the plunger; and a screw fixed on one side of the loop, and extending through the opposite side; and a nut on the screw for limiting the movement of the sides of the loop, and the extent of the outward movement of the plunger.

3. In a powder measuring device the combination of a measuring cylinder having a perforated head; a plunger in the cylinder; a stem on the plunger extending through the perforation in the head, the head forming a guide for the stem; a handle in the form of a spring loop, one side of the loop being secured to the cylinder and the other to the stem.

4. In a powder measuring device, the combination of the cylinder 1, having the perforated head 4 thereon; the plunger 2 arranged in the cylinder having the stem 3 extending through the head 4, said stem being screw threaded; a handle in the form of a spring loop, one side of the loop being fixed

on the cylinder 1, and the other having a perforation through which the stem 3 extends; the nuts 9 and 10 for securing the handle to the stem; the post 11 fixed on one side of the
5 loop, and extending through the opposite side, said post being screw threaded; and a nut on the screw threaded portion of the post.

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

AUGUST A. RICKERT.

Witnesses:

Z. T. BRINDLEY,

CHARLES E. ROYER.