

(No Model.)

W. W. REYNOLDS.

GROCER'S SCALES.

No. 260,415.

Patented July 4, 1882.

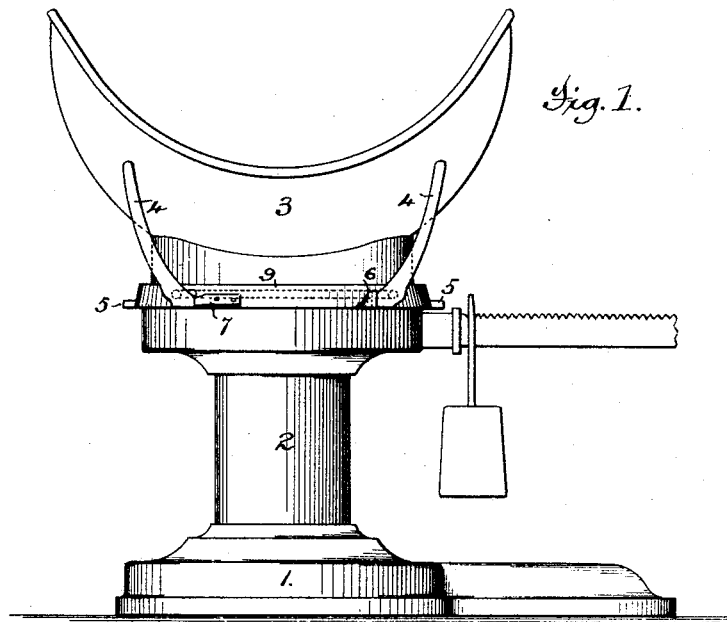


Fig. 1.

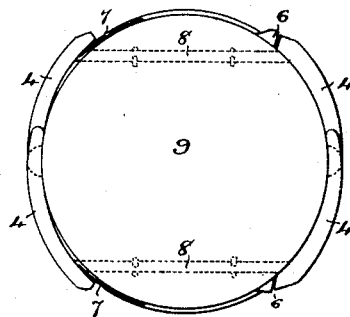


Fig. 2.

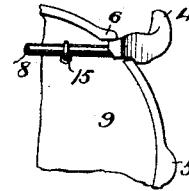
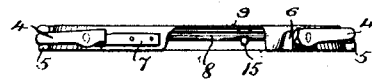


Fig. 5.

Fig. 4



Fig. 3.



Attest;

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UNITED STATES PATENT OFFICE.

WILLIAM W. REYNOLDS, OF RUTLAND, VERMONT, ASSIGNOR TO THE HOWE
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GROCER'S SCALES.

SPECIFICATION forming part of Letters Patent No. 260,415, dated July 4, 1882.

Application filed April 12, 1882. (No model.)

To all whom it may concern :

Be it known that I, WILLIAM W. REYNOLDS, a citizen of the United States, residing in the city of Rutland, county of Rutland, and State of Vermont, have invented certain new and useful Improvements in Scales, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

The present invention relates to that class of scales which are used by retail dealers to weigh small quantities of merchandise, and which are known in the art as "counter-scales."

It is necessary that scales of this class should be provided with a scoop or tray, as many classes of goods can only be weighed conveniently by the use of such a device, and it is very desirable that they should also be provided with a platform for use in weighing goods contained in boxes, pails, and like receptacles which are of such form as not to be conveniently placed in a scoop or tray. To meet these requirements this class of scales has been made with arms disposed in such a manner as to form a cradle for holding the scoop or tray, and also with a platform. This construction, however, was necessarily expensive, and also made the scales heavier and more bulky than was desirable. To avoid these objections the cradle has been omitted and the bottom of the scoop has been provided with a rim, or has otherwise been made of such a shape as to stand upon the platform. This arrangement is, however, objectionable, for the reason that when the scoop or tray simply rests upon the smooth surface of the platform it is very liable to be jostled off, thus spilling the contents and bruising the scoop.

The present invention is designed to obviate this difficulty; and to that end it consists primarily in providing the platform of these scales with hinged arms, which can be turned up so as to form a cradle for securely holding the scoop in position, and, when it is desired to use the platform, can be turned down out of the way.

The invention also embraces certain combinations of these arms with other parts, all of which will be fully hereinafter explained and pointed out in detail.

In said drawings, Figure 1 is a side elevation of a counter-scale embodying the present invention, the arms being elevated and the scoop in position. Fig. 2 is a plan view of the platform with the arms turned down. Fig. 3 is a side view of the platform, the edge being broken away so as to show the rod to which the arms are attached. Fig. 4 is a side view of the platform, showing the position of the arms when folded down. Fig. 5 is a plan view of a portion of the bottom of the scale-platform.

The scale shown in the drawings is an ordinary form of counter-scale, consisting of the pedestal 1, from which rises the standard 2, supporting on its top the weighing mechanism and the scale-platform 9.

Passing through recesses in the rim of the platform 9, and secured to its under side by staples or loops 15, are two rods, 8, to the ends of which are rigidly secured two pairs of curved arms, 4.

When it is desired to use the platform without the scoop the arms 4 will be folded down to the position shown in Figs. 2, 3, and 4, leaving the top of the platform unobstructed. When the scoop is to be used the arms will be raised to the position shown in Fig. 1, so that the scoop 3 will be securely held in position. The arms 4 are curved, as shown in Fig. 2, so that they will conform to and lie closely against the sides of the platform, the platform being provided with lugs or projections 5, (see Figs. 1 and 3,) which support the ends of the arms when folded down. The platform 9 is also provided with lugs or projections 6, and with springs 7, arranged, as shown in Figs. 2 and 5, so that the free ends of the springs lie behind two of the arms 4 and press them outward, so that, through the connecting-rods 8, the opposite arms will be drawn inward and kept snugly against the platform. The result of this arrangement is that when the arms are turned up one of each pair will be drawn and held behind one of the lugs 6, by which they will be held in their elevated position. When the arms are to be folded down the springs will be pressed inward, so as to disengage the arms from the lugs 6, when they will readily fold down into their position upon lugs 5.

What I claim is—

- 1. The combination, with the platform of a weighing-scale, of the hinged arms, as 4, substantially as described.
- 5 2. The hinged arms, as 4, connected by rods, as 8, in combination with the scale-platform, substantially as described.
- 3. The combination, with the scale-platform, of the hinged arms, the connecting-rods, the lugs, as 6, and the springs, as 7, substantially as described.

4. The combination, with the scale-platform, of the hinged arms connected by rods, the lugs 5 and 6, and the springs 7, substantially as described.

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

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WM. W. REYNOLDS.

Witnesses:

JOHN F. MERRILL,
JOHN B. PAGE.