

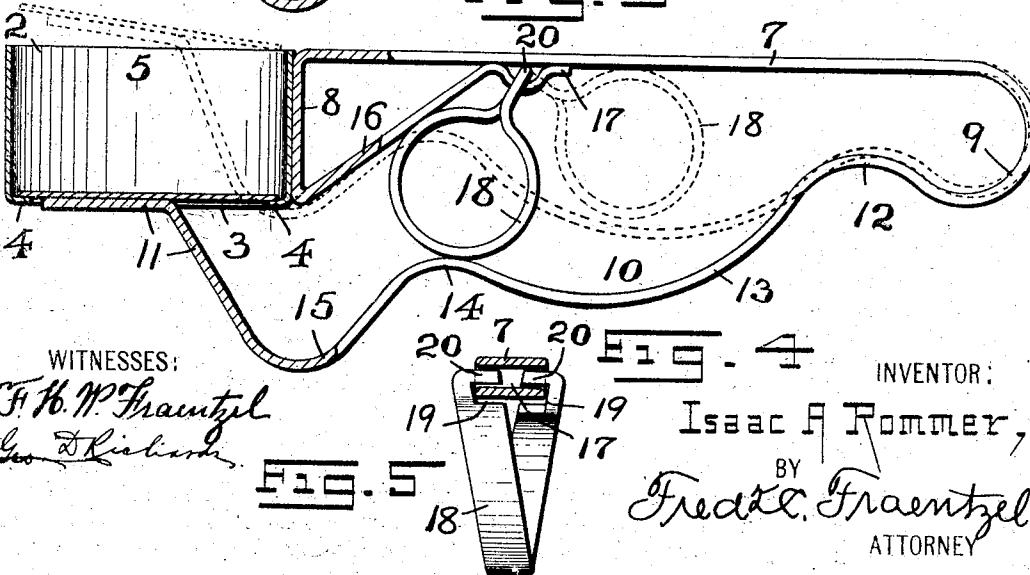
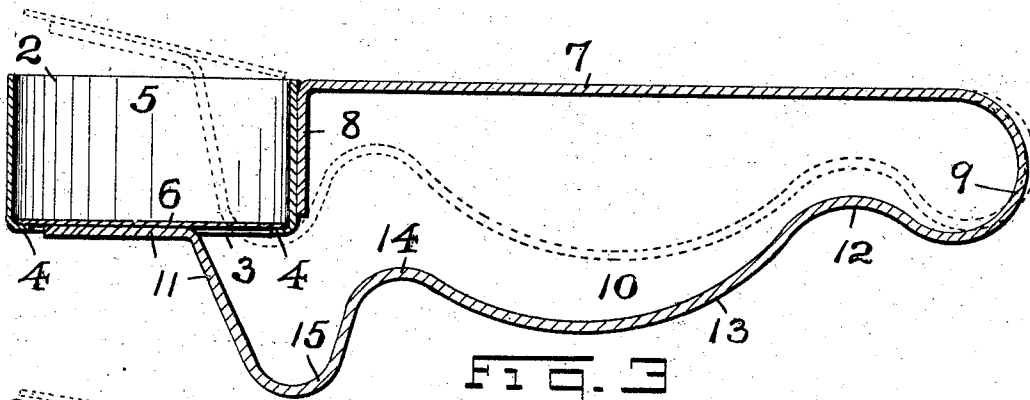
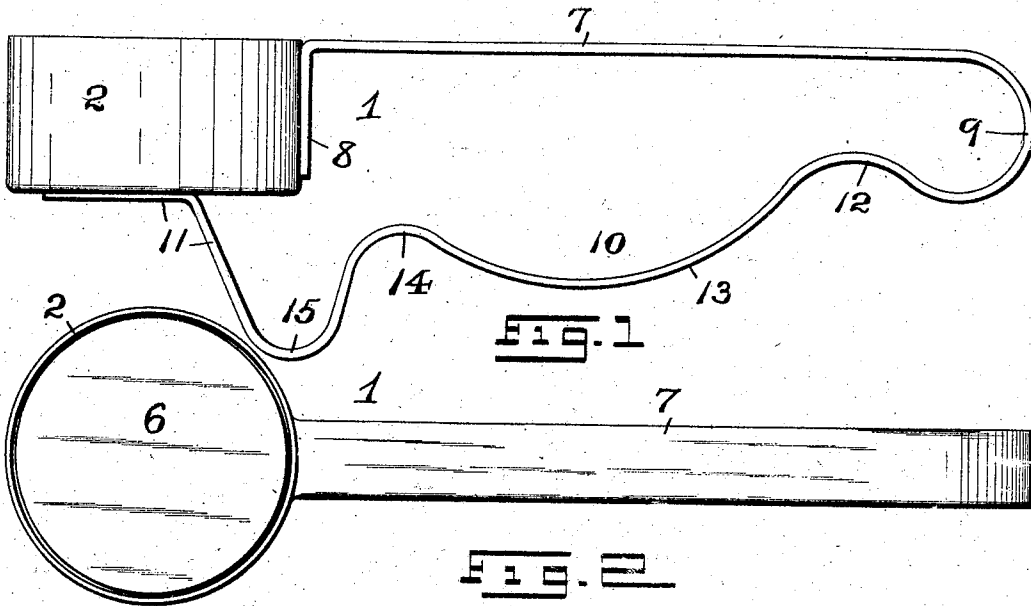
No. 772,674.

PATENTED OCT. 18, 1904.

I. A. ROMMER.
SCOOP OR LADLE.

APPLICATION FILED JUNE 30, 1904.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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SCOOP OR LADLE.

SPECIFICATION forming part of Letters Patent No. 772,674, dated October 18, 1904.

Application filed June 30, 1904. Serial No. 214,708. (No model.)

To all whom it may concern:

Be it known that I, ISAAC A. ROMMER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Scoops or Ladles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

The present invention has reference to improvements in measuring scoops or ladles, which may be used for various purposes; and this invention has for its primary object to provide a novel construction of scoop or ladle provided with a movable bottom and means for displacing said bottom from the head to readily discharge the contents from the said head and whereby a device has been produced which is especially adapted for scooping up predetermined quantities of ice-cream or the like, and the said bottom and connecting parts being of such arrangement and construction that the bottom is automatically returned into the head after the ice-cream has been discharged.

A further object of this invention is to provide a simply and cheaply constructed measuring scoop or ladle which can be quickly and easily manipulated for scooping up predetermined quantities of ice-cream and the like and ejecting the same into a dish or glass, the several parts of the device being furthermore of such arrangement that without much trouble and effort they can easily be kept clean.

Other objects of this invention not at this time more particularly enumerated will be evident from the following detailed description of my invention.

The invention consists, primarily, in the novel measuring scoop or ladle hereinafter set forth; and, furthermore, this invention consists in the arrangements and combinations of the various parts, as well as in the details of the construction of the same, all of which

will be hereinafter more particularly described and then finally embodied in the clauses of the claim which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a measuring scoop or ladle embodying the principles of my present invention. Fig. 2 is a plan or top view of the same; and Fig. 3 is a central longitudinal section of the scoop or ladle with the movable bottom and parts represented in their normal initial position for the scooping purpose, the operated or actuated positions of the parts being also represented in dotted outline in said figure. Fig. 4 is a part longitudinal vertical section and part side view of a measuring scoop or ladle of a slightly-modified construction provided with a bearing portion and locking device pivotally suspended from said bearing; and Fig. 5 is a transverse vertical section of the handle and bearing of the said scoop or ladle, showing in end elevation the said holding means.

Similar characters of reference are employed in the said above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the complete measuring scoop or ladle, the same comprising a suitably-constructed and preferably cylindrical head 2, which is provided with an open bottom 3 and a suitable bottom or base plate supporting means, the same being preferably an inwardly-extending annular bead or flange 4, substantially as shown in Figs. 3 and 4 of the drawings. The upper part of the said body or head 2 is open, as at 5, and forms a mouth or discharging portion above which the movable bottom or base plate 6 can be projected, substantially as and for the purposes to be presently described. Rigidly connected with a portion of the said body or head 2 in any suitable manner, but preferably by means of a portion 8, is an arm or supporting-bar 7, forming a handle, the said arm or bar 7 being made at its

end with a downwardly-bent or curved portion 9, with which is connected a spring arm or lever 10, having an extension 11, which is suitably connected with the under surface of the said movable bottom or base plate 6, substantially as illustrated, the tendency of this spring arm or lever 10 being normally to keep the said bottom or base plate 6 seated upon the supporting means or flange 4 of the body or head 2. The said arm or lever 10 may be of any suitable configuration, but is preferably made with the curved portions 12, 13, 14, and 15, as shown; but these are not essential, and a straight arm may be arranged between the curved or bent portion 9 and the extension 11. The said curved portions 12, 13, 14, and 15 are preferred, however, for the better manipulation of the said arm or lever 10 in bringing the bottom or base plate 6 into its raised position above the mouth of the body or head 2, as will presently appear.

In the manipulation of the device for the scooping up of the ice-cream or the like the hand is placed about the rigid arm or bar 7, and after the interior of the body or head 2 and seated bottom or base plate is filled full by scooping up the ice-cream the fingers of the operator may be arranged beneath the said arm or bar 7 in the space formed by said arm or bar 7 and the spring arm or lever 10 with the thumb resting upon the upper surface of said arm or bar 7. After the ice-cream or other material has been scooped up the forefinger is removed from the said space between the said arm or bar 7 and the spring arm or lever 10, the remaining fingers and the thumb still being maintained in their holding relation about the said arm or bar 7, and the said forefinger is then placed against the under surface of the spring arm or lever 10 with the finger resting in the depression formed by the curved portion 14. The device is turned over a dish or glass, and by applying pressure by means of the forefinger against the said spring arm or lever 10 the latter and the said bottom or base plate 6 are forced into the positions indicated in the dotted outline in said Fig. 3 of the drawings, whereby the ice-cream or the like is expelled from the said body or head 2, as will be clearly understood. As soon as the pressure is removed from the spring arm or lever 10 the parts are automatically returned to their normal initial positions.

In Fig. 4 of the drawings I have shown the portion 8 of the bar or arm 7 provided with a bracket-like member 16, which is formed at its upper end portion with a receiving loop or bearing 17, the same being suitably secured upon the under side of the bar or arm 7 in any desirable manner. Pivotaly suspended from this loop or bearing 17 is a holding device, which may be termed a "trigger," the same, as will be seen from an inspection

of Figs. 4 and 5, comprising a ring-shaped body 18, provided with cut-away or slotted parts 19 and pintles or fingers 20, which extend from opposite sides into said loop or bearing 17 and are pivotally arranged therein, as clearly illustrated in said figure of the drawings. The action of this trigger will be understood from an inspection of Fig. 4 of the drawings, its purpose being when the ring-shaped body 18 is forced into frictional holding engagement with the under surface of the bracket-like member 16 and the upper surface of the curved part 14 of the spring arm or lever 10 to securely retain the parts in their locked or rigid relation with the bottom or base plate 6, securely and positively seated upon the said supporting means or annular shoulder or head 4 of the body or head 2. The device can thus be used in the manner of a scoop or ladle, and when the trigger is pulled back by means of the finger, so as to bring it in the position indicated in dotted outline in said Fig. 4, then the spring arm or lever 10 can be manipulated in the manner hereinabove set forth and the bottom or base plate 6 forced from the mouth of the said body or head 2 to eject the ice-cream or other matter from said body or head.

It will thus be seen that I have produced a simply-constructed and sanitary measuring scoop or ladle which can be put to many uses and one which is neat and cheap, the arrangement of the manipulable parts being such that they cannot get out of order.

I am aware that some changes may be made in the arrangements and combinations of the parts, as well as in the details of the construction of the same, without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as described in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. In a scoop or ladle, the combination, with an open-bottomed head, a base-plate movably arranged in said head, a handle, and a spring-arm between said handle and said base-plate, said spring-arm being provided with curved finger-receiving portions, substantially as and for the purposes set forth.

2. In a scoop or ladle, the combination, with an open-bottomed head, a base-supporting means connected with said head and forming a seat, a base-plate movably arranged in said head, a handle, and a spring-arm between said handle and said base-plate for retaining said plate normally upon said seat, said spring-arm being provided with curved finger-receiving portions, substantially as and for the purposes set forth.

3. In a scoop or ladle, the combination, with an open-bottomed head, an inwardly-extending annular flange in said head forming a seat, a base-plate movably arranged in said head, a handle, and a spring-arm between said handle and said base-plate for retaining said plate normally upon said seat, substantially as and for the purposes set forth.

4. In a scoop or ladle, the combination, with an open-bottomed head, a base-plate movably arranged in said head, a handle, and a spring-arm between said handle and said base-plate, and a locking means pivotally attached to said handle adapted to be brought in frictional holding engagement with said spring-arm, substantially as and for the purposes set forth.

5. In a scoop or ladle, the combination, with an open-bottomed head, a base-supporting means connected with said head and forming a seat, a base-plate movably arranged in said head, a handle, and spring-arm between said handle and said base-plate for retaining said plate normally upon said seat, and a locking means pivotally attached to said handle adapted to be brought in frictional holding engagement with said spring-arm, substantially as and for the purposes set forth.

6. In a scoop or ladle, the combination, with an open-bottomed head, an inwardly-extending annular flange in said head forming a seat, a base-plate movably arranged in said head, a handle, and a spring-arm between said handle and said base-plate for retaining said plate normally upon said seat, and a locking means pivotally attached to said handle adapted to be brought in frictional holding engagement with said spring-arm, substantially as and for the purposes set forth.

7. The herein-described measuring scoop or ladle, comprising a head, a base-plate movably arranged in said head, a handle rigidly connected with said head, and a spring-arm integrally connected at one end with said handle, and secured at its other end to said base-

plate, said spring-arm being provided with curved finger-receiving portions, substantially as and for the purposes set forth.

8. The herein-described measuring scoop or ladle, comprising a head, a base-plate movably arranged in said head, a handle rigidly connected with said head, and a spring-arm integrally connected at one end with said handle, and secured at its other end to said base-plate, and a locking means pivotally attached to said handle adapted to be brought in frictional holding engagement with said spring-arm, substantially as for the purposes set forth.

9. The herein-described measuring scoop or ladle, comprising a head, a base-plate normally arranged in said head, a handle rigidly connected with said head, said handle having a curved portion 9, and a spring-arm integrally connected with said curved portion 9, and secured at its other end to said base-plate, said spring-arm comprising the connected curved portions 12, 13, 14 and 15, substantially as and for the purposes set forth.

10. The herein-described measuring scoop or ladle, comprising a head, a base-plate movably arranged in said head, a handle rigidly connected with said head, said handle having a curved portion 9, and a spring-arm integrally connected with said curved portion 9, and secured at its other end to said base-plate, said spring-arm comprising the connected curved portions 12, 13, 14 and 15, and a locking means pivotally attached to said handle adapted to be brought in frictional holding engagement with said spring-arm, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 28th day of June, 1904.

ISAAC A. ROMMER.

Witnesses:

FREDK. C. FRAENTZEL,
GEO. D. RICHARDS.