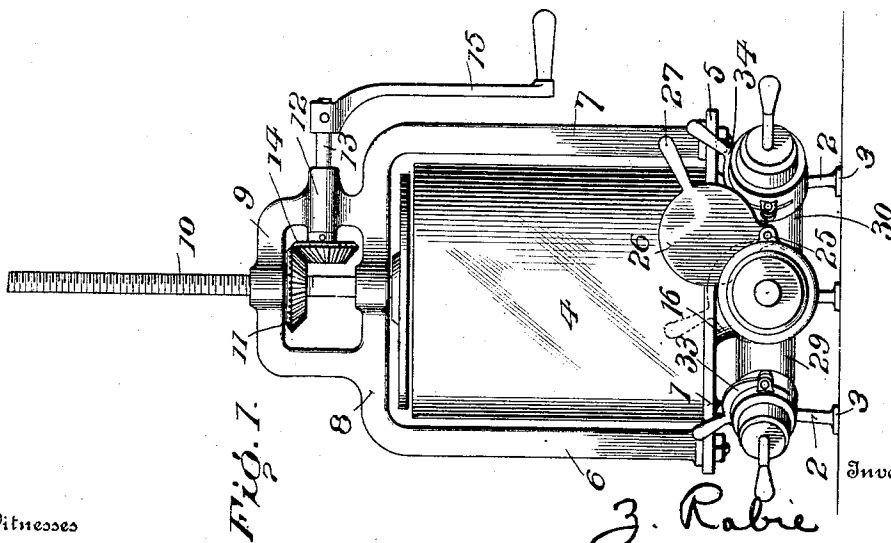
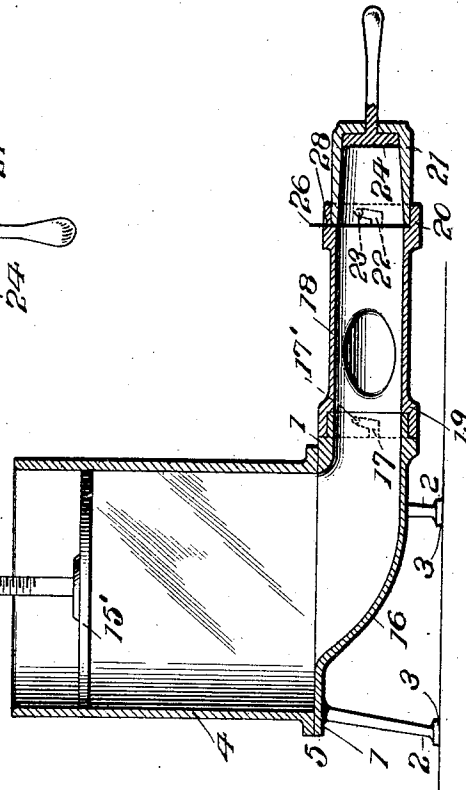
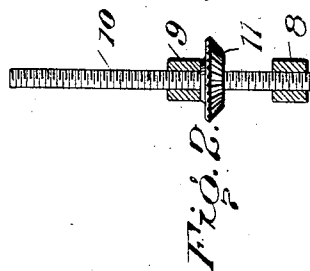
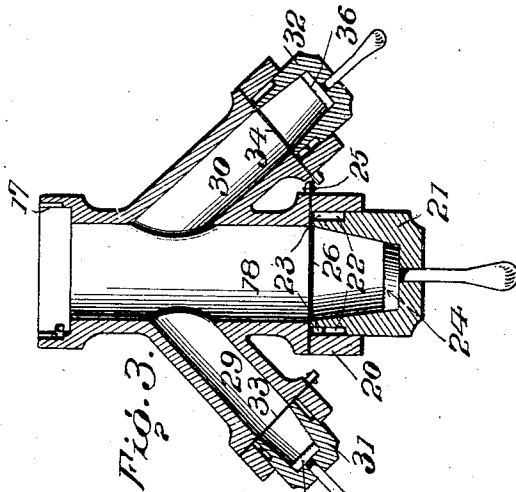


No. 868,363.

PATENTED OCT. 15, 1907.

Z. RABIE.
MEASURING DEVICE.
APPLICATION FILED AUG. 18, 1906.



Witnesses
L. H. Schmidt.
C. R. Wright.

By

Z. Rabie
Attorney

UNITED STATES PATENT OFFICE.

ZEPHIRE RABIE, OF DULUTH, MINNESOTA, ASSIGNOR OF FIFTY-FIVE ONE-HUNDREDTHS TO VICTOR LA MONT, OF DULUTH, MINNESOTA.

MEASURING DEVICE.

No. 868,363.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed August 16, 1906. Serial No. 330,889.

To all whom it may concern:

Be it known that I, ZEPHIRE RABIE, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Measuring Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in measuring device.

The object of my invention is to provide a device for measuring and forming into convenient shapes, plastic material, and pertains more particularly to vending butter, cheese and the like, and in which the proper print of butter weighing the desired amount may be formed in the presence of the purchaser.

Another object of my invention is to provide a more simple, cheap and effective device of this character.

In the accompanying drawings, Figure 1, is a front elevation of my improved device. Fig. 2, is a vertical sectional view of Fig. 1, and Fig. 3, is an enlarged horizontal sectional view of the three way tube showing the molds or prints attached.

Referring now to the drawings, 1 represents a round supporting base which is provided with legs 2 of proper length, and said legs are provided with broad feet 3 by means of which the device is secured to the counter or other suitable support, as desired. Mounted upon the upper face of said base is a vertically-arranged cylindrical receptacle 4, which is adapted to receive and hold the butter, cheese, or other articles to be vended. The base 1, as shown, is of a size considerably larger than the receptacle, and thus leaves an extended portion 5 entirely surrounding the receptacle. Bolted to said extending portion on two opposite sides, are the free ends 6 and 7 of the yoke 8 which extends over the upper end of the receptacle.

The yoke 8 is provided with an additional yoke 9 which is provided with a screw-threaded opening through which passes a screw-threaded rod 10. The said rod within the yoke 9 has a beveled gear 11 which is held against rotation upon the rod, but is free to move up and down upon the same. The yoke 9 is also provided with a journal 12 in which is mounted the horizontal shaft 13 which carries at its inner end a beveled gear 14 meshing with the beveled gear 11. The shaft 13 carries at its outer end a crank 15 by means of which the shaft is rotated, and through the beveled gear the rod 10 is moved up and down. The lower end of said rod is provided with a disk 15' which is of a diameter to snugly fit within the receptacle 4, and by means of which the butter is compressed within the receptacle.

Connected to the bottom of the receptacle 4 is a tube 16 which extends downwardly and is turned outwardly, and extends beyond the outer edge of the receptacle.

The said tube is provided with bayonet slots 17 on op-

posite sides. Passing over the outer end of the tube 16 is a three-way tube 18 which has the enlarged portion 19 to receive the tube 16, and said enlarged portion is provided with inwardly extending lugs 17' which enter the bayonet slots 17, whereby the three-way tube is removably connected with the tube 16, and their inner faces being flush with each other, thus form a continuous uninterrupted passage so that the contents will pass freely through the same. The said tube 18 is provided at its outer end with the enlarged socket portion 20 which is adapted to receive the mold or measure 21 which has an interior diameter equal to that of the tube 18, and thus the butter or other contents of the receptacle is adapted to freely pass from the tube to the measure or mold. The measure or mold is provided with the bayonet slots 22 on opposite sides, and adapted to receive the pins 23 carried by the socket portion 20, and by means of which the measure and print is readily removed. The outer end of the mold is provided with the sliding plug 24 by means of which the contents of the print is removed, and the construction of which is well known in the art of butter printing. The tube 18 adjacent the inner end of the socket, is provided with an ear 25 to which is pivotally connected the swinging knife 26 which is of a circular form, and provided with a handle 27 by means of which the knife is operated. The socket 20 in its upper face is provided with a slot 28 through which the blades or knife 26 passes, and enters a space between the inner end of the mold or print and cuts the butter so that the mold or print, with its contents, can be readily removed. The knife also performs the function of preventing the contents of the tube from passing therefrom when the print is removed. The opposite sides of the tube 18 are provided with two branch tubes 29 and 30 which are of different dimensions, and of different dimensions from the tube 18. The tubes 29 and 30, are, as shown, arranged at an angle, and are provided with measures or molds 31 and 32 which are likewise of different dimensions from the tube 18, and also from each other. These tubes are provided with knives as indicated at 33 and 34, and which perform the same function as the knives before described. The molds are also provided with the sliding plugs 35 and 36 for removing the contents of the molds.

From the foregoing description it will be seen that by turning the crank 15, the butter is compressed within the receptacle 4, and passes through the tube to the three-way tube, and enters the three separate prints or measures. When a purchaser desires a quarter, half, or pound of butter, the knife of that print holding such amount is swung over between the print and the tube, which severs the contents and allows the mold to be removed, and the contents thereof delivered to the customer, and thus insures of the proper amount being served, and makes a neater package, and prevents also

loss through cutting too much, and also makes it much more simple and accurate in handling butter and the like.

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

1. A device of the character described, comprising a receptacle, molds in communication with the receptacle, and a separate knife operating between each mold and the receptacle, and closing the communications between the same.
2. A device of the character described, comprising a receptacle, molds in communication with the receptacle, and a separate pivoted knife independently operating between each mold and the receptacle, and closing the communication between the same.
3. A device of the character described, comprising a receptacle, removable molds in communication with the receptacle, and pivoted knives operating between the molds and the receptacle and adapted to close said openings between the molds and receptacle.
4. A device of the character described, comprising a receptacle, a passage-way in communication therewith, three passages of different diameter in communication with said passage-way, a separate mold detachably carried by the end of each passage and forming a continuation thereof, and a separate knife operating between each passage and the mold and adapted to close the communication between the molds and passages.
5. A device of the character described, comprising a receptacle, a three-way passage-way of different diameters in communication with the receptacle, molds removably secured to the outer end of each passage and forming a continuation thereof, and knives carried by the passage-ways and operating between the molds and the end of the passage-way, and adapted to close the communication between the same.

6. A device of the character described, comprising a receptacle, several passage-ways in communication therewith and of different diameters, molds removably secured to the outer ends of each passage-way having a small space between the same, knives pivoted to the end of the passage-way and swinging within the space between the molds and passage-way, and adapted to close the communication between the same.

7. A device of the character described, comprising a receptacle, a passage-way in communication therewith, the outer end of said passage way having an enlarged opening therein, a mold locked within said opening, and said passage-way having a slot in an alinement with the inner end of the mold, and a knife pivoted to the outer face of the passage-way and adapted to enter said slot and close the passage-way at a juncture of the mold with the inner end of the openings.

8. A device of the character described, comprising a receptacle, a passage-way in communication therewith, the outer end of said passage-way having an enlarged opening therein, inwardly-extending pins carried by the inner face of said opening, a mold adapted to enter said opening and having bayonet slots to receive said pins, said passage-way having a slot in an alinement with the inner end of the mold, a round knife having an extended ear pivoted to the outer face of the passage-way and adapted to enter said slot and close the passage-way at a juncture of the mold with the inner end of the openings, and a handle carried by the knife for operating the same.

In testimony whereof I affix my signature in presence of two witnesses.

ZEPHIRE RABIE.

Witnesses:

VICTOR LA MONT,
MARY E. MURPHY.