

J. F. DUBBER.
SCOOP AND FUNNEL.

No. 42,356.

Patented Apr. 19, 1864.

Fig. 1.

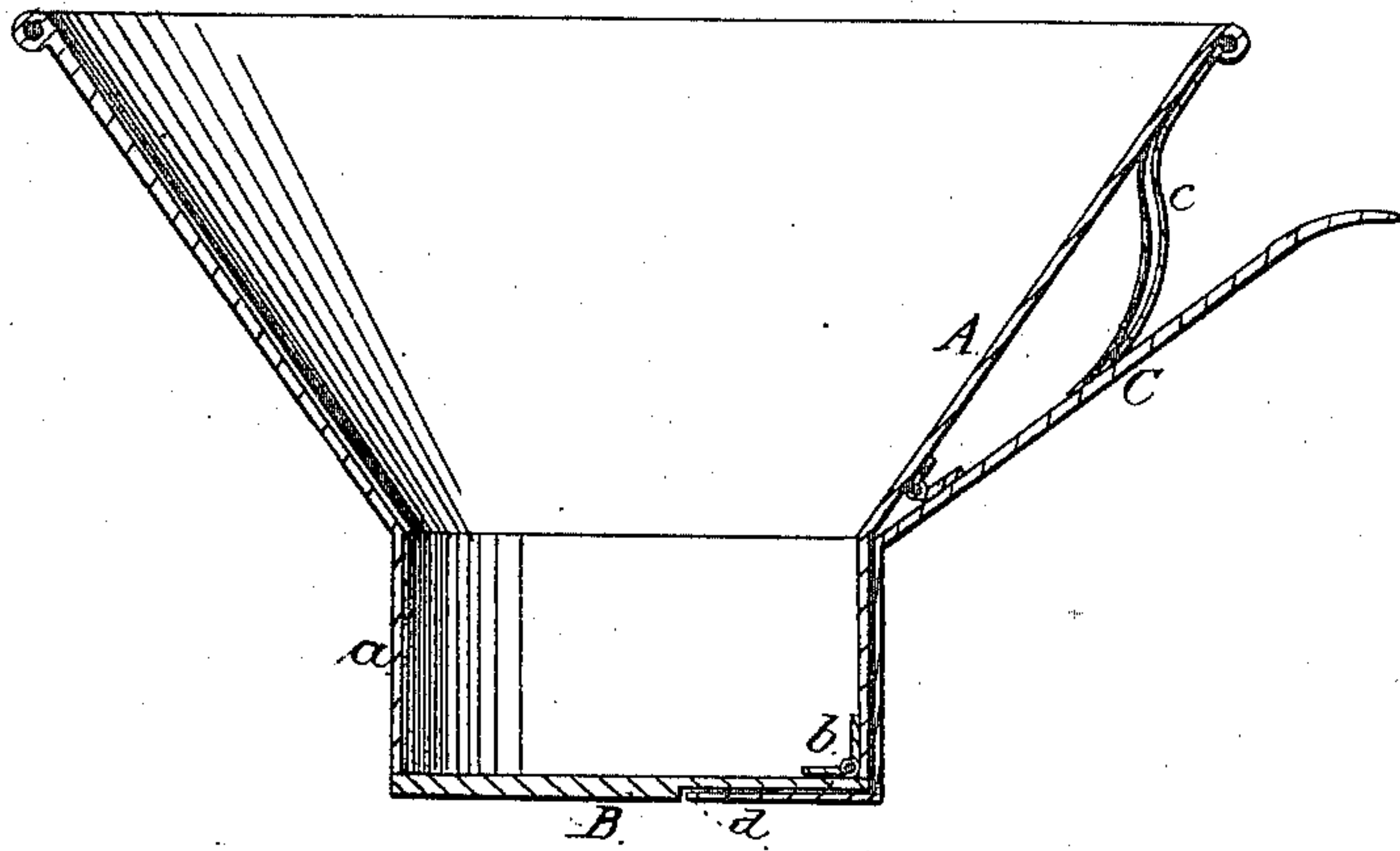
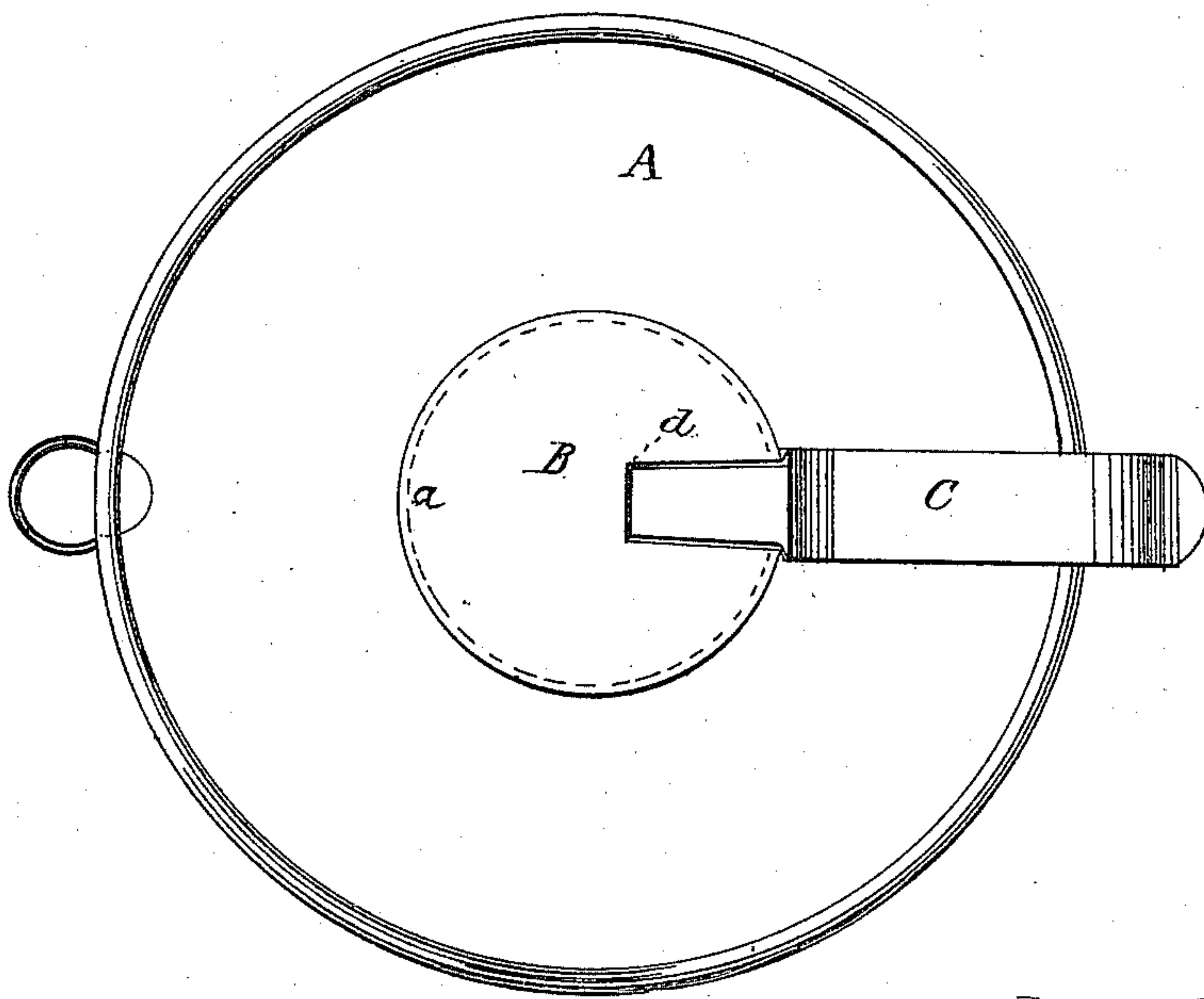


Fig. 2.



Witnesses:

E. P. Hall
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Inventor:

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UNITED STATES PATENT OFFICE.

J. F. DUBBER, OF BROOKLYN, NEW YORK.

SCOOP AND FUNNEL.

Specification of Letters Patent No. 42,356, dated April 19, 1864.

To all whom it may concern:

Be it known that I, J. F. DUBBER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Scoop and Funnel Combined; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable any person skilled in the art to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1, represents a vertical central section of my invention. Fig. 2, is an inverted plan of the same.

Similar letters of reference indicate the same parts.

This invention relates to an improvement in that class of funnels which are used for the purpose of introducing into paper bags sugar, coffee, flour, and other articles of a similar nature.

The invention consists in the application to a funnel of the above description to a valve which closes the nozzle of the same and which is held closed by a spring in combination with a trigger or handle in such a manner that said funnel can be placed directly on the platform of a pair of scales or suspended from their beam and used in place of a scoop and if the desired quantity of the article in question has been weighed into the same, its nozzle can be introduced in a paper bag and by touching the trigger the valve is opened and the contents of the funnel are discharged.

The funnel A, is made of tinned sheet iron, or other suitable material in the usual manner and form of that class of funnels which are generally used by grocery men and others for the purpose of introducing sugar, coffee and other articles into paper bags. This funnel is provided with a nozzle *a*, of sufficient diameter to admit of the free passage of the articles to be introduced in paper bags and cut off level at its bottom edge so that the same can be easily placed in an upright position.

B, is a valve which is attached to the bottom edge of the nozzle *a*, by means of a hinge *b*, or in any other suitable manner and which closes up tight to said edge or which easily swings open if it is desired to discharge the contents of the funnel. This valve may either consist simply of a flat disk as shown in the drawing or it may be made with a rim projecting a little ways up into the nozzle for the purpose of producing a more perfect joint. It is made self closing

by the action of a spring, *c*, on a trigger or handle C, which is hinged to the side of the funnel and the lower end of which is made to bear on the valve. In order to leave the bottom surface of the valve flat the valve is provided with a recess *d*, to receive the end of the trigger C, and the spring *c*, is made strong enough to keep the valve closed even if the funnel is wholly or partially filled with sugar or other articles and the funnel is taken up and held free in the air.

If it is desired to weigh a certain quantity of an article which has to be introduced in a paper bag, the funnel A, is placed directly upon the platform of a pair of scales or suspended from their beam so that it takes the place of a scoop. After the desired quantity of the article in question has been weighed in it, it is taken up and the nozzle *a*, is introduced into the mouth of a paper bag in the usual manner and by touching the trigger C, the valve opens and the contents of the funnel discharge into the bag. In the ordinary process the contents are weighed on a scoop, the funnel is taken up from the counter and introduced into the bag and it has to be held there with one hand while the other hand takes up the scoop and by tilting the same cautiously causes its contents to slide off into the funnel and through it into the paper bag. This process is tiresome and takes up much valuable time and furthermore in discharging the articles in question from the scoop into the funnel portions of the same are liable to get spilled and prove a dead loss to the customer and to the dealer. By my arrangement the dealer is enabled to weigh and bag an article in much less time than by the ordinary funnel and scoop and the customer is not subjected to any loss caused by spilling a portion of the contents of the scoop while being discharged into the funnel.

What I claim as new and desire to secure by Letters Patent, is,

The application of the valve B, to the nozzle *a*, of a funnel A, in combination with the trigger C, constructed substantially as herein described so that said funnel can be used in place of a scoop and by introducing the nozzle into a paper bag and touching the trigger its contents can be readily discharged.

J. F. DUBBER.

Witnesses:

J. P. HALL,
M. M. LIVINSTON.