S. ABITBOL & M. H. TABLAS.

VEGETABLE CRUSHER AND STRAINER.

APPLICATION FILED NOV. 30, 1910.

1,001,235. Patented Aug. 22, 1911.

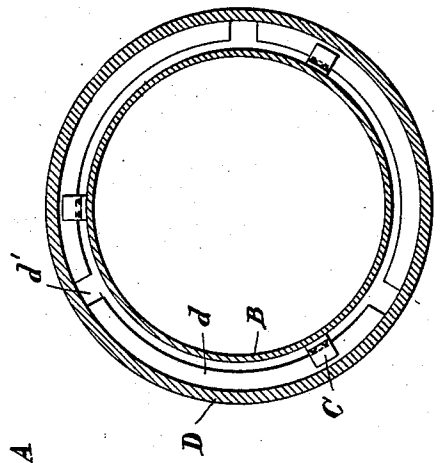

FIG. 3.

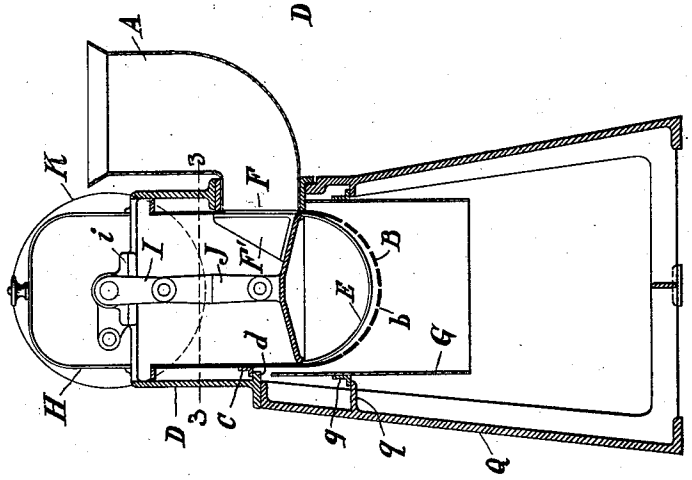

FIG. 1.

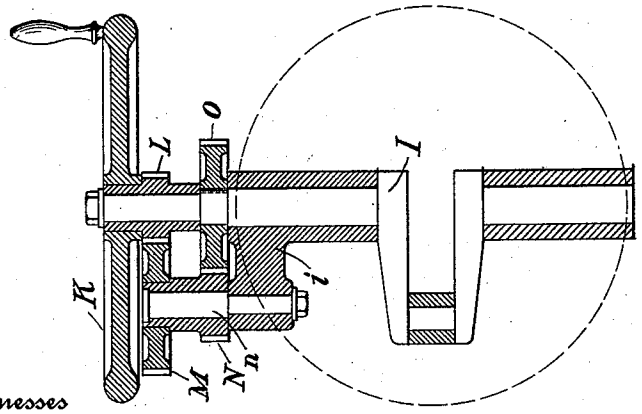

FIG. 2.

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UNITED STATES PATENT OFFICE.

SAMUEL ABITBOL AND MICHAEL H. TABLAS, OF NEW BEDFORD, MASSACHUSETTS.

VEGETABLE CRUSHER AND STRAINER.

1,001,235. Specification of Letters Patent. **Patented Aug. 22, 1911.**

Application filed November 30, 1910. Serial No. 594,912.

To all whom it may concern:

Be it known that we, SAMUEL ABITBOL and MICHAEL H. TABLAS, citizens of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Vegetable Crushers and Strainers, of which the following is a specification.

This invention relates to machines designed for the purpose of mashing potatoes or other vegetables, straining materials for soups, sauces, preserves and similar substances, and has for its object to provide an improved device for the purpose indicated or for analogous purposes to which the implement is capable of application.

The machine is of that type in which the material is forced through a perforated receptacle by means of a reciprocating plunger, operated by rotation of a crank shaft, the plunger carrying a cut off for the material supplied to the receptacle.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a vertical section of the machine. Fig. 2 is a detail of the crank shaft and wheel. Fig. 3 is a detail in section on the line 3—3 of Fig. 1.

The frame of the machine is indicated at Q, of proper size and shape to support the parts hereinafter described.

A is a spout or chute into which the potatoes or other material are placed and from which they feed to the crushing or straining devices.

B is a sheet metal cup or cylindrical vessel the bottom of which is perforated as indicated at *b*. This is supported in the frame by means of lugs C which rest on a ledge *d* formed in a barrel or casing D at the top of the frame. The ledge has openings *d'*, and the cup B may be turned to bring the lugs C in registry with said openings, permitting the cup to be dropped out of the machine for the purpose of cleaning or otherwise. The cup has an opening F in one side, which when the cup is in place registers with the spout or hopper A, so that material may feed from the hopper into the cup.

G is a cylindrical sheet metal guard supported by lugs *g* attached thereto and resting on a flange *q* in the frame, said guard surrounding and projecting below the base of the cup for the purpose of preventing the material spattering from the machine as it is forced through the perforations in the cup B.

E indicates a plunger shaped to correspond to the sides and bottom of the cup B, and this plunger is connected by a link J to the crank of the crank shaft I which is mounted in bearings *i* at the top of the barrel D. A hand wheel K and its pinion L revolve loosely upon the end of the shaft I and the pinion drives a gear M fastened to a pinion N in mesh with a gear O which is keyed to the crank shaft I, the gears M and N being supported by a stud *n* projecting from one of the bearing brackets *i*. The plunger E carries a gate or cut off F' which when the plunger is pushed down closes the opening F cuts off the feed from the hopper A. A cover H may be provided to inclose the crank shaft at the top of the barrel D.

In use, the potatoes or other material are placed in the hopper and when the plunger is raised feed therefrom into the cup B, through the opening at F. By turning the crank the plunger is reciprocated up and down and the material is forced out through the perforations in the bottom of the cup and drops into a receptacle placed thereunder to receive it. At each lift of the plunger additional material feeds from the hopper into the spout.

A power device of any kind may be substituted for the crank, as it may be advisable to drive the machine by other means than by hand.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent is:—

In a machine of the kind described, the combination of an upright frame including a barrel at the top provided at its lower end with a recessed ledge on the inside, a perforated cup in the barrel, and having lugs resting on said ledge, the cup being removable downwardly by turning the same to register the lugs with the recesses, a shield supported on the frame and extending

around and below the bottom of the cup, said shield being of greater diameter throughout than the cup, whereby the latter may be removed or inserted through the shield, a crank shaft mounted on and extending across the top of the barrel, and a plunger working in the cup and connected to the crank.

In testimony whereof, we affix our signatures in presence of two witnesses.

SAMUEL ABITBOL.
MICHAEL H. TABLAS.

Witnesses:
JAMES P. DORAN,
MARY M. WEBSTER.