

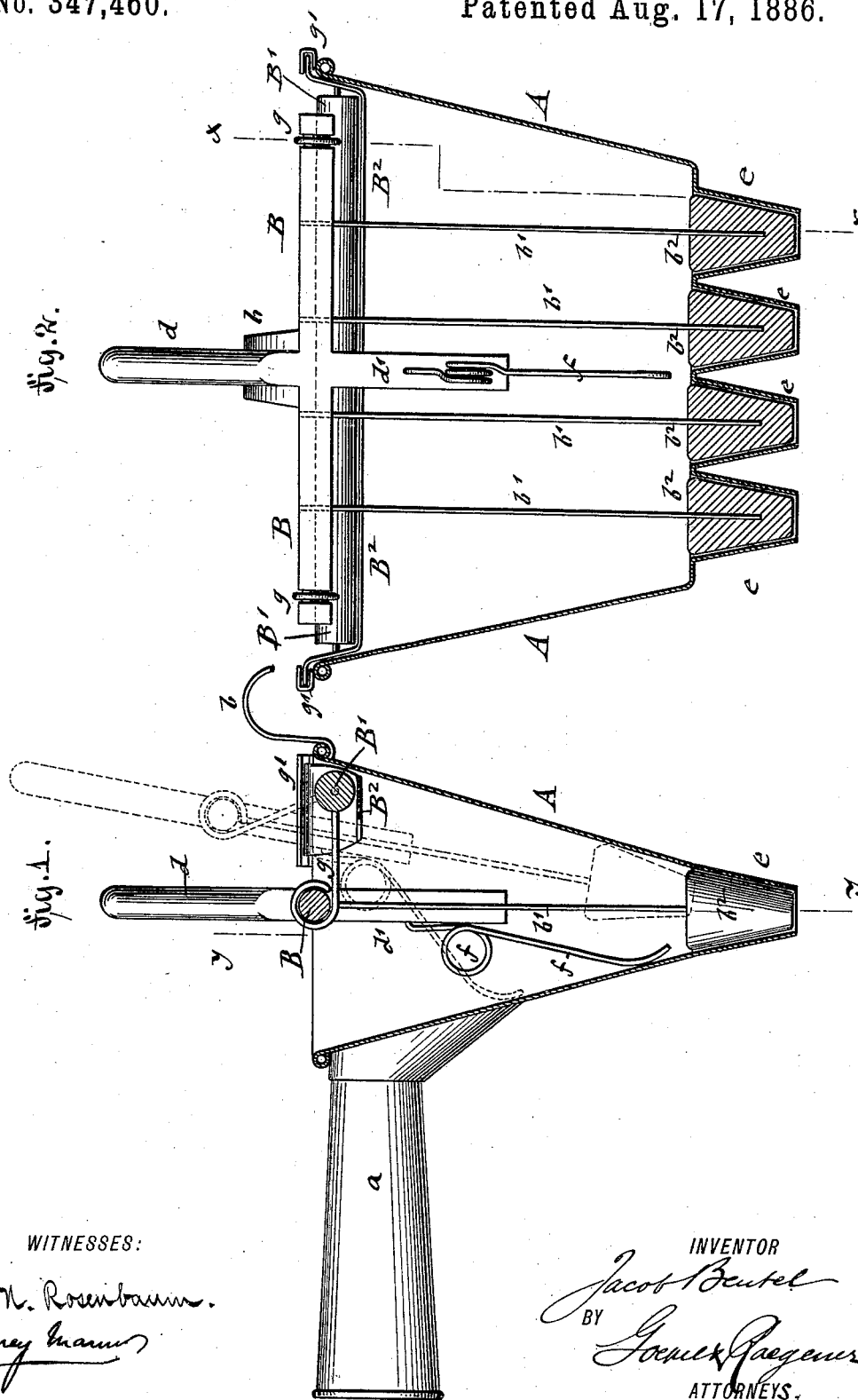
(No Model.)

J. BEUTEL.

CONFECTIONER'S DROPPING TUBE.

No. 347,460.

Patented Aug. 17, 1886.



WITNESSES:

Frederick N. Rosenbaum.
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JACOB BEUTEL, OF NEW YORK, N. Y., ASSIGNOR TO CYPRIEN GOUSSET
AND FREDERICK ELLER, BOTH OF SAME PLACE.

CONFECTIONER'S DROPPING-TUBE.

SPECIFICATION forming part of Letters Patent No. 347,460, dated August 17, 1886.

Application filed June 9, 1886. Serial No. 204,581. (No model.)

To all whom it may concern:

Be it known that I, JACOB BEUTEL, of the city, county, and State of New York, have invented certain new and useful Improvements in Confectioners' Dropping-Tubes, of which the following is a specification.

This invention relates to an improved device for dropping pastry and other badly flowing substances, such as are used in making gum-drops, creams, and the like, the device facilitating the making of such confectionery at a saving of time and labor; and the invention consists of a dropping-tube for confectioners in which are combined a hopper-shaped receiver for the pastry substance to be dropped, said receiver having a number of issuing-tubes, an oscillating stopper-frame pivoted to the receiver and provided with as many stoppers as there are issuing-tubes, and of a friction-spring by which the stopper-frame is held in raised or lowered position. The stopper-frame is supported on a transverse bridge that is applied to fixed guides of the receiver, so as to be detachable from the receiver for cleaning the same.

In the accompanying drawings, Figure 1 represents a vertical transverse section of my improved confectioner's dropping-tube on line *x x*, Fig. 2. Fig. 2 is a vertical longitudinal section of the same on line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the hopper-shaped receiver of my improved confectioner's dropping-tube, which receiver is made of sheet metal or other suitable material, and in any shape and size. It is provided at one side with a handle, *a*, which is taken hold of by the left hand, and at the other side with a hook-shaped finger-rest, *b*, that is supported on the little finger of the other hand, while the thumb and forefinger take hold of the handle *d* of a stopper-frame, B, so as to move the same up and down. The lower part of the receiver A is provided with a number of issuing-tubes, *e e*, of which any number may be arranged, so that a certain quantity of the substance in the receiver can be dropped at the same time. The stopper-frame B is provided with as many

wire shanks *b'* and rubber stoppers *b''* as there are issuing-tubes *e*, so that all the issuing-tubes can be closed at the same time when lowering the stopper-frame. A friction-spring, *f*, is attached to a downwardly-extending arm, *d'*, of the stopper-frame B, and presses with its lower free end against the side wall of the receiver, so as to retain the stopper-frame at any position and facilitate the working of the same. The upper part of the stopper-frame B is connected by pivoted supporting-links *g g* with the transverse shaft *B'*, that turns in bearings of a detachable bridge, *B''*, which is applied to fixed guides *g'* at the upper part of the receiver, so that the bridge *B''* and stopper-frame B can be removed together from the receiver A, to facilitate the cleaning of the latter and the stopper-frame. The thickly-flowing mass which is to be worked up by the dropping device is placed into the receiver and forced out successively in small quantities through the issuing-tubes by first lifting the stopper-frame, as shown in dotted lines in Fig. 1, and then lowering the stoppers. The greater or smaller quantity that is forced out through the issuing-tubes is regulated according to the degree of lifting motion imparted by the fingers to the stopper-frame. From the dropping-tubes the parts forced out are delivered to the molds for receiving final shape. By this device the pastry or other badly-flowing substances used for confectionery can be quickly worked up in large quantities, and at a considerable saving of time and labor.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of a receiver having issuing-tubes with an oscillating stopper-frame having as many stoppers as there are issuing-tubes, substantially as set forth.

2. The combination of a receiver having issuing-tubes with an oscillating stopper-frame having as many stoppers as there are issuing-tubes, and a friction-spring, by which the stopper-frame is held in position, substantially as set forth.

3. The combination of a receiver having issuing-tubes, an oscillating stopper-frame having as many stoppers as there are issuing-tubes,

and a detachable bridge applied to fixed guides of the receiver, to which the stopper-frame is pivoted, substantially as shown and described.

4. The combination, with a receiver having
5 issuing-tubes, a handle at one side, and a finger-rest at the opposite side, of a stopper-frame having as many stoppers as there are issuing-tubes, a pivoted shaft connected by arms to said stopper-frame, and a detachable bridge

applied to fixed guides of the receiver, substantially as set forth. 10

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JACOB BEUTEL.

Witnesses:

SIDNEY MANN,

MARTIN PETRY.