

UNITED STATES PATENT OFFICE.

ISIDOR Z. GARFIELD, OF NEW YORK, N. Y.

PROCESS OF PACKAGING POWDERS.

1,066,266.

Specification of Letters Patent.

Patented July 1, 1913.

No Drawing.

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To all whom it may concern:

Be it known that I, ISIDOR Z. GARFIELD, a citizen of the United States of America, residing in New York, in the borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Processes of Packaging Powders, of which the following is a specification.

This invention relates to an improved process of packaging powders, such as sedlitz powders, Rochelle salts, and other medicinal powders in such a manner that the packaging can be accomplished without the least loss of powder at the side and end-folds of the wrappers, which forms an objection to the manual or mechanical wrapping up of the powders owing to the impairment of the weight of the same as prescribed by the *U. S. Pharmacopeia*; and for this purpose the invention consists of a process of packaging medicinal powders by first supplying them in accurately-measured quantities, then temporarily compressing the same into a semi-compact cake, next inclosing the cake into a wrapper without destroying its form, and finally crushing the cake back into powder-form, while closing the wrapper, as will be fully described hereinafter and finally pointed out in the claims.

In carrying out my improved process the powders to be packaged are applied in uniformly-measured quantities to a compressing device in which they are temporarily compressed in the form of round, square or oblong cakes of a size which is adapted for being wrapped up without collapsing. The cakes are then delivered in this form onto a wrapper of sufficient size, which is first closed along the sides by means of the well known double interlocking fold, employed in wrapping up sedlitz and other powders, without, however, breaking up the cake. When the side-folding of the wrapper is accomplished the wrapper is closed at the ends by folding them onto the body of the wrapper upon which the wrapped powders are fed forward for being packaged in quantities for delivery.

By the pressure exerted on the wrapped up cake during the folding over and closing of the ends over the body of the wrapper the cake is crushed and returned into the powder-form while the wrapped powders assume the flat state in which they are to be placed on the market. By compressing the powder temporarily into the form of a cake, the wrapping of the same by mechanical means into a wrapper, and then collapsing the cake and returning it into powder form is accomplished without any loss of powder through the side and end-folds of the wrapper and thereby the waste of powder which has heretofore taken place in wrapping is entirely avoided and thereby the exact quantity of powder retained and inclosed in the wrapper.

I claim:

1. The process herein described of packaging powders, which consists firstly in supplying the powder in accurately-measured quantities, secondly, temporarily compressing the powder into a semi-compact cake, thirdly, inclosing the cake into a wrapper without destroying its shape, and lastly, crushing the cake by pressure and changing it into powder-form in the wrapper.
2. The process herein described of packaging medicinal powders, which consists of the following steps, first, supplying the powder in accurately-measured quantities, next compressing the same temporarily into a semi-compact cake, then inclosing the same into a wrapper without destroying its shape in folding the wrapper at the side, and then folding over the ends of the wrapper over the body-portion thereof, and simultaneously crushing the cake and changing it into powder-form.

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

ISIDOR Z. GARFIELD.

Witnesses:

PAUL GOEPFEL,
JOHN MURTAGH.