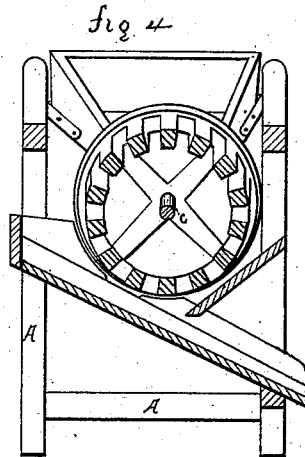
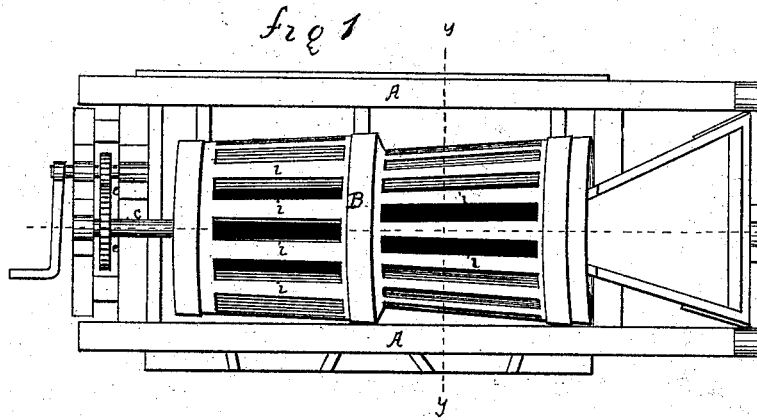


J. H. HEINZ.
Pickle-Assorter.

No. 197,934.

Patented Dec. 11, 1877



Witnesses

James I. Johnston
B. S. Johnston

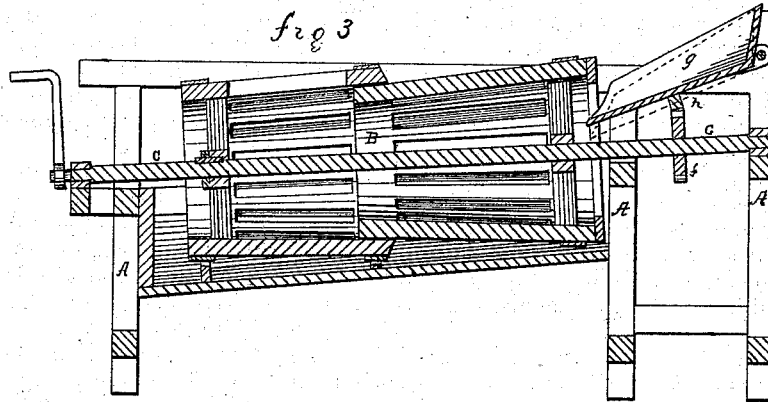
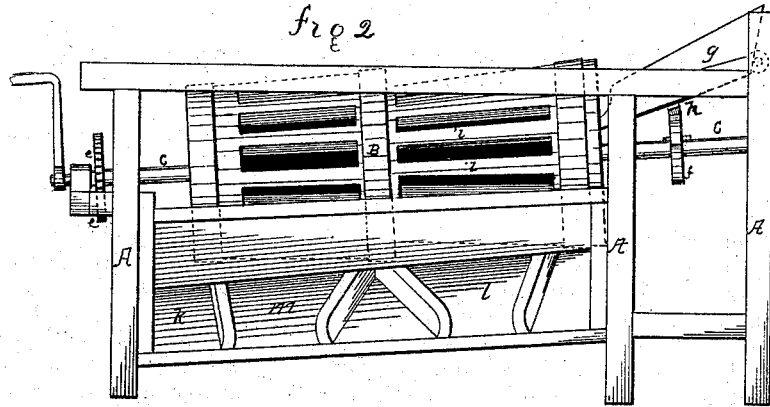
Inventor

John H. Heinz
By A. S. Johnston
his Atty.

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Inventor

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UNITED STATES PATENT OFFICE.

JOHN H. HEINZ, OF SHARPSBURG, PENNSYLVANIA.

IMPROVEMENT IN PICKLE-ASSORTERS.

Specification forming part of Letters Patent No. **197,934**, dated December 11, 1877; application filed August 31, 1877.

To all whom it may concern:

Be it known that I, JOHN H. HEINZ, of Sharpsburg, in the county of Allegheny, State of Pennsylvania, have invented a new and useful Improvement in Apparatus for Assorting Pickles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in apparatus for assorting pickles; and consists in a pivoted hopper, combined with a cylindrical screen or separator of two or more sections, constructed of a series of bars, the outer and inner walls of which converge longitudinally toward the axis of the cylinder, and the side walls of which are beveled, and on lines radiating from said axis, the whole being so arranged that pickles of different diameters are separated from each other, and deposited in separate receptacles through the medium of chutes combined with said separating-cylinders.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a top view or plan of my improvement. Fig. 2 is a side elevation. Fig. 3 is a vertical and longitudinal section. Fig. 4 is a vertical and transverse section.

In the drawings, A is the frame; B, the cylinder, which is mounted upon an axis, C, provided with driving-gear *e e* and a cam-wheel, *f*, agitating the pivoted hopper *g*. On the under side of the hopper *g* is a projection, *h*, used in connection with the cam-wheel *f* for giving the desired agitation to the hopper *g*.

The pickles are placed in the hopper *g*, the agitation of which gradually discharges them into the interior of the first section of the separating-cylinder, where the pickles of the smaller diameter are discharged between the bars *i* of the first section of the cylinder, and those of a larger diameter travel into the second section of the cylinder, where all of a given diameter pass through the bars of said section, and those of too great a diameter to pass through the bars are discharged out of the end of the cylinder into the chute *k*.

l is the chute for the first section of the cylinder, and *m* the chute for the second section of the cylinder. Each chute should be provided with a separate receptacle for receiving the separated pickles.

I have described the cylinder as consisting of two separating-sections; but any desired number of sections may be employed without departing from the principle of my invention.

By means of the apparatus hereinbefore described, pickles of different diameters may be assorted with ease and facility.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, and desire to secure by Letters Patent, is—

The hereinbefore-described apparatus for separating pickles, consisting of cylinder B, hopper *g*, and chutes *l m*, arranged and operating with relation to each other, substantially as set forth.

JOHN H. HEINZ.

Witnesses:

A. C. JOHNSTON,
JAMES J. JOHNSTON.