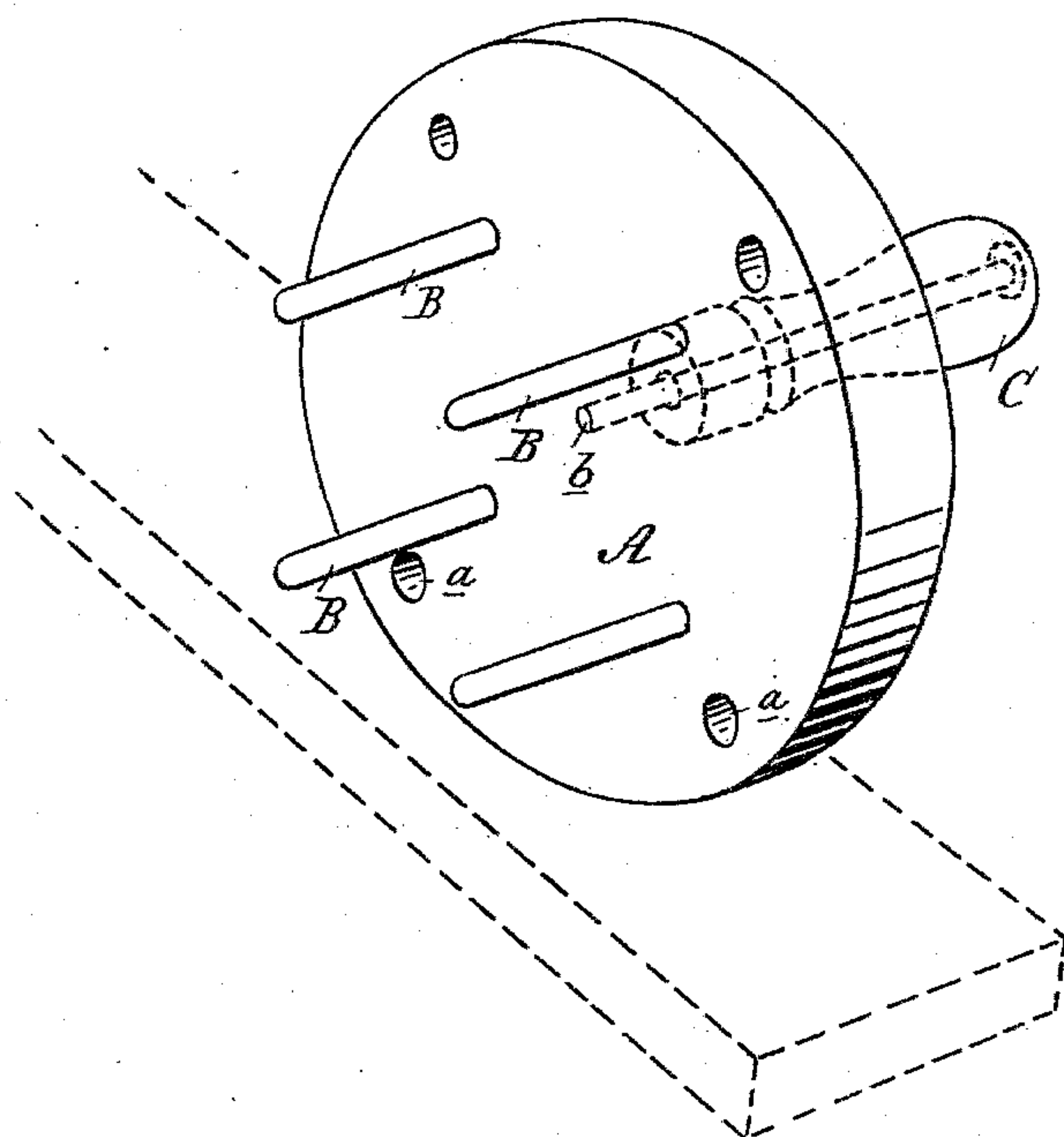


(No Model.)

J. KREHBIEL.
CAPSULE MACHINE.

No. 296,844.

Patented Apr. 15, 1884.



Attest:

A. Barthel
Chas. J. Hunt

Inventor:

John Krehbiel
by his Atty Wm. S. Sprague

UNITED STATES PATENT OFFICE.

JOHN KREHBIEL, OF DETROIT, MICHIGAN, ASSIGNOR TO THE GLOBE CAPSULE COMPANY AND HENRY J. MILBURN, OF SAME PLACE.

CAPSULE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 296,844, dated April 15, 1884.

Application filed October 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN KREHBIEL, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Capsule-Mold Plates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification.

10 This invention relates to certain new and useful improvements in the construction of plates of molds to be employed in the manufacture of gelatine capsules.

15 In the manufacture of this class of goods it is usual to immerse the mold-pins in the gelatine, which is kept at a proper temperature, and after such mold-pins are removed, to prevent the gelatine which has adhered to the mold-pins from dripping or running to one side, whereby the gelatine would be thicker at one part than another, to give the plate of molds by hand gyration or swing through the air, which will prevent such drip from one part more than the other of the mold.

25 The object of the present invention is to provide a plate of molds that will avoid the necessity of the hand swinging, as now practiced, and at the same time furnish a wheel by which the plate of molds is rolled over a way or track laid between the point where the dipping is performed and the drying-rack.

The figure is a perspective of my improved plate of molds.

35 In the accompanying drawing, which forms a part of this specification, A represents a mold-plate, circular in form, and preferably, although not necessarily, made of metal. Secured thereto, and projecting from one face thereof, are a series of mold-pins, which are made in the form the capsule is desired to have. These pins are of equal lengths, and project at equal distances apart, or nearly so, from the face of the mold-plate. I propose in the construction of this plate of molds to provide for each plate one hundred mold-pins,

although any desired number may be made. At four points equidistant, or nearly so, from each other, and near the periphery of the mold-plate, are formed four holes, *a*, to act as guides in the use of a device for cutting the capsules upon the mold-pins B any desired length; and as I propose to make a separate application for a patent upon such cutting device, a further description of it is deemed unnecessary. To the opposite face of this mold-plate, and at its axis, a pin, *b*, is secured, upon which is sleeved a handle, *c*.

In practice the mold-pins are dipped into the prepared gelatine by hand, or by any desired mechanism, and on being withdrawn from the gelatine the operator, grasping the handle, throws the plate upon its periphery and rapidly rolls it along a prepared way or track to a suitable rack, upon which the plate of molds is placed to dry preparatory to having the capsules thereon cut and removed, the travel of the wheel or mold-plate along such way producing the necessary gyrations or revolutions to equalize the thickness of the gelatine upon the mold-pins.

What I claim as my invention is—

1. A circular mold-plate carrying a series of mold-pins adapted to be rolled on its edge, and provided with means, substantially as described, for holding and rolling it, substantially as and for the purposes described.

2. A circular mold-plate provided with a series of mold-pins, and a handle projecting from the rear of said plate at its axis, substantially as and for the purposes specified.

3. A circular mold-plate provided with a series of mold-pins adapted to roll upon its edge, and provided with guide-holes to facilitate the cutting of the capsules from off said mold-pins, substantially as and for the purposes set forth.

JOHN KREHBIEL.

Witnesses:

H. S. SPRAGUE,
E. SCULLY.