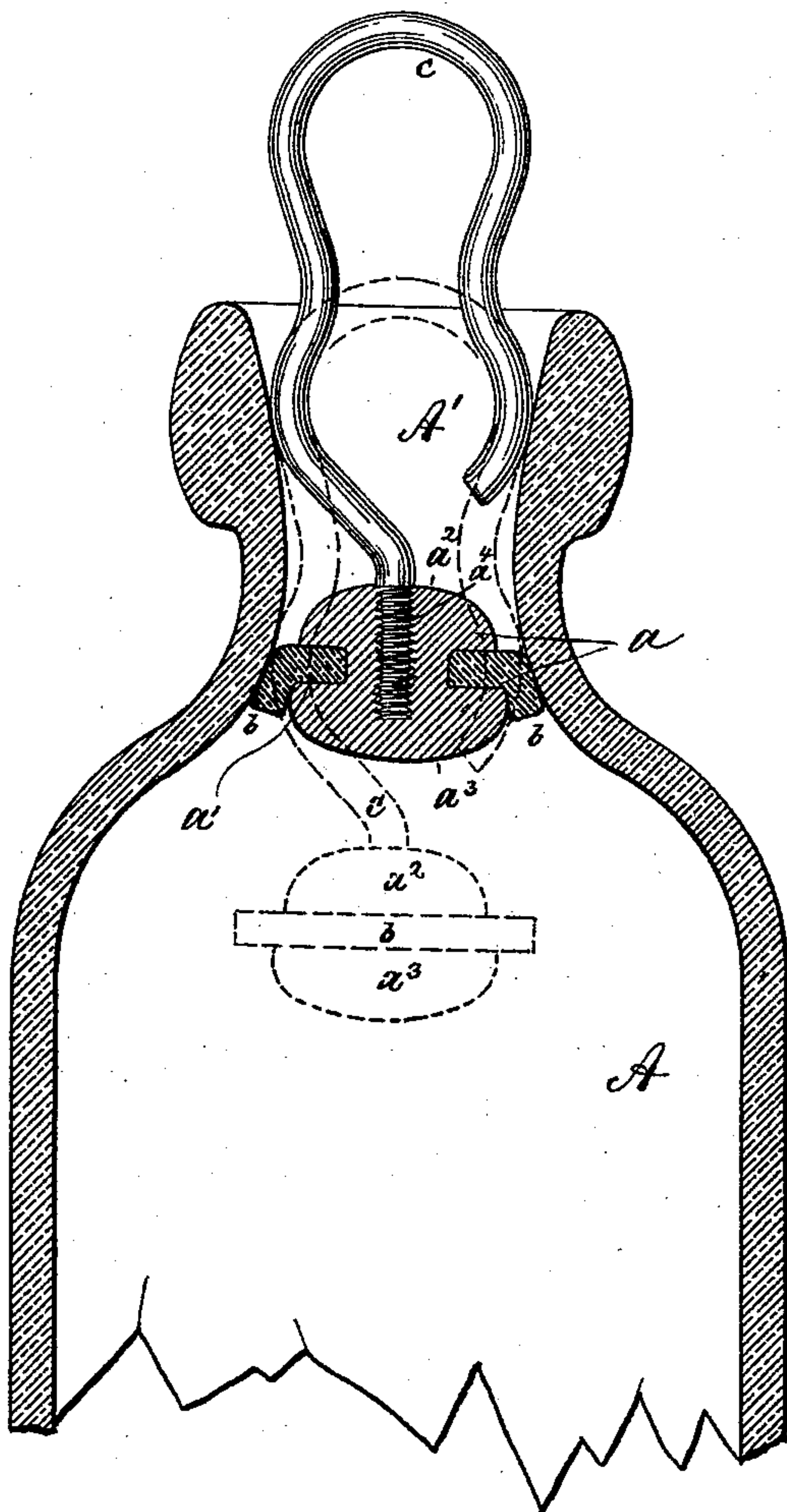


(No Model.)

C. HUCH.
BOTTLE STOPPER.

No. 539,429.

Patented May 21, 1895.



Witnesses:
John Becker
Theodore Becker.

Inventor:
Charles Huch
by his attorneys
Roeder & Briesen

UNITED STATES PATENT OFFICE.

CHARLES HUCH, OF HOBOKEN, NEW JERSEY.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 539,429, dated May 21, 1895.

Application filed March 6, 1895. Serial No. 540,713. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HUCH, of Hoboken, Hudson county, New Jersey, have invented an Improved Bottle-Stopper, of which the following is a specification.

This invention relates to an improved internal bottle stopper by which the contents of the bottle are protected entirely from contact with the spring wire that holds the stopper in position.

The accompanying drawing represents a vertical section of my improved bottle stopper.

The letter *a*, represents the porcelain body or plug of the stopper which is divided into an upper and lower head or section by a peripheral groove *a'*. This groove is adapted to receive the annular rubber gasket *b*, that is forced against the neck *A'*, of the bottle *A*, and thus forms the seal. The upper head *a*², of the plug *a*, is of smaller diameter than the lower head *a*³, so that the gasket *b*, can fold around such upper head as the stopper is pushed into the bottle. Through the plug *a*, extends partially an axial tapped socket *a*⁴, which however does not penetrate the plug but passes only about half way through the lower head *a*³. This socket is adapted for the

reception of the lower threaded end of the bent spring wire *c*, by which the stopper is held in position. Thus the lower end of the wire is entirely out of contact with the contents of the bottle and the latter cannot possibly be injuriously affected thereby.

The stopper is used in the ordinary manner, being pushed down (dotted lines), when the bottle is to be opened and being drawn up (full lines) when the bottle is to be closed.

The advantages connected with my improved stopper are its simplicity of construction and the great cleanliness connected with its use.

What I claim is—

A bottle stopper composed of a porcelain plug, having a peripheral groove and a tapped axial perforation that extends partially through said plug, a rubber gasket received within said groove and a bent spring wire having a threaded end that is received within the tapped perforation, substantially as specified.

CHAS. HUCH.

Witnesses:

F. V. BRIESEN,
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