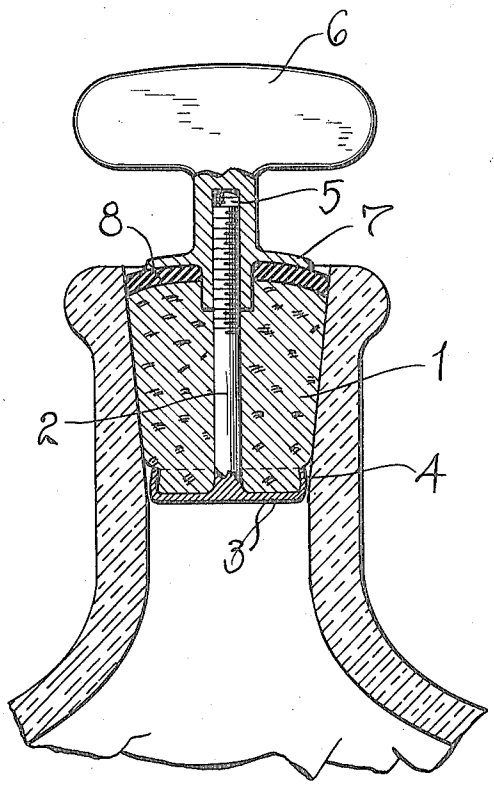
L. M. SPINKS.

BOTTLE STOPPER.

APPLICATION FILED FEB. 15, 1915.

1,146,036. Patented July 13, 1915.



Inventor

L. M. SPINKS

Witnesses

Robert M. Sutphen.

A. L. Hurd.

By Watson E. Coleman

Attorney

UNITED STATES PATENT OFFICE.

LYDIA M. SPINKS, OF LANES BOTTOM, WEST VIRGINIA.

BOTTLE-STOPPER.

1,146,036. Specification of Letters Patent. Patented July 13, 1915.

Application filed February 15, 1915. Serial No. 8,365.

To all whom it may concern:

Be it known that I, LYDIA M. SPINKS, a citizen of the United States, residing at Lanes Bottom, in the county of Webster and State of West Virginia, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to bottle stoppers, and an object of the invention is to provide a device of this general character having novel and improved means whereby the same may be removed from applied position with convenience and facility and whereby the same may be expanded when in applied position to assure a hermetic seal of the container to which it may be applied.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved bottle stopper whereby certain important advantages are attained and the device is rendered simpler, less expensive and otherwise more convenient and advantageous for use, all as will be hereinafter more fully set forth.

The novel features of the invention will be carefully defined in the appended claim.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein is disclosed a view partly in elevation and partly in section of a stopper constructed in accordance with an embodiment of my invention, a coacting container being shown in fragment and in section.

As disclosed in the accompanying drawings, 1 denotes the body portion of my improved stopper which may be made of cork or other compressible material and disposed axially thereof is a shank 2. The shank 2 is provided at its lower extremity with a head 3 adapted to overlie the inner end of the body 1 and is provided with an annular flange 4 adapted to surround the inner periphery of the body in order to maintain such extremity of the body 1 substantially non-compressible and to afford a medium whereby the shank is anchored to the body 1.

The shank 2 is of a length to project above the upper extremity of the body 1 and such projected portion is threaded and adapted to be engaged within the threaded socket 5 produced in the shank of the key 6, said shank intermediate its length being provided with an annular shoulder 7 segmental in cross section and which is adapted to engage a compressible disk 8 formed preferably of rubber which is adapted to overlie the upper end of the body 1.

It will be understood that the shank 2 is loosely disposed through the body 1 and through the disk 8 and it will be readily perceived that upon moving the key 6 inwardly upon the shank 2, the body 1 together with the disk 8 will be expanded transversely under the strain of the longitudinal compression and thus assure a substantially hermetic engagement with the container to which the stopper may be applied.

I find it of particular advantage to employ the disk 8 as the same can be readily replaced when unduly worn or mutilated under the influence of the annular shoulder 7, as is believed to be clearly apparent to those skilled in the art to which by invention appertains.

From the foregoing description, it is thought to be obvious that a bottle stopper constructed in accordance with my invention is of an extremely simple and comparatively inexpensive nature and is particularly well adapted for use by reason of the convenience and facility with which it may be assembled, and it will also be obvious that my invention is susceptible of some change and modification without material departure from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice.

I claim:

A stopper of the character described comprising a cork body, a shank loosely disposed axially therethrough and projecting beyond an end thereof, a head integrally produced with the shank and overlying the opposite end of the body and provided with an annular flange overlying the periphery of the body and serving as a medium to anchor said shank to the body, a rubber disk

loosely engageable with the projected portion of the shank and overlying the adjacent end of the body, said projected portion of the shank being threaded, and a key provided in one extremity with a threaded socket adapted for adjustable engagement with the projected extremity of the shank, said key being provided intermediate its length with an annular flange adapted to engage the disk, said annular flange being segmental in cross section.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

LYDIA M. SPINKS.

Witnesses:
Mrs. M. E. Woods,
Milton Woods.