

No. 721,050.

PATENTED FEB. 17, 1901

J. M. KERSEY.
GUN CLEANER.

APPLICATION FILED SEPT. 10, 1901.

NO MODEL.

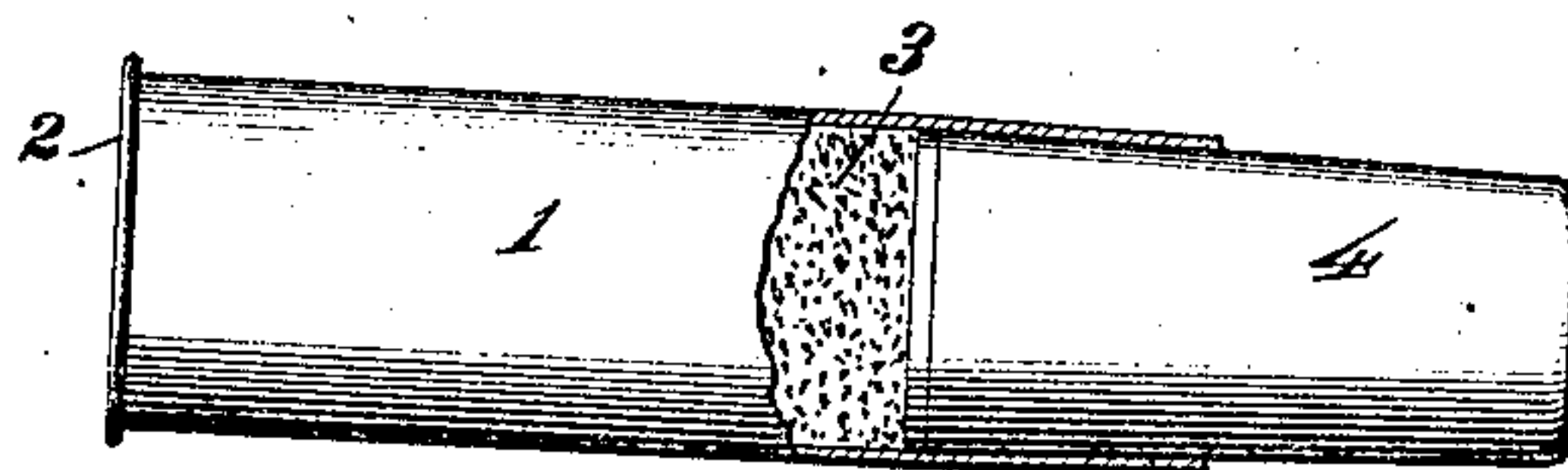


Fig. I.

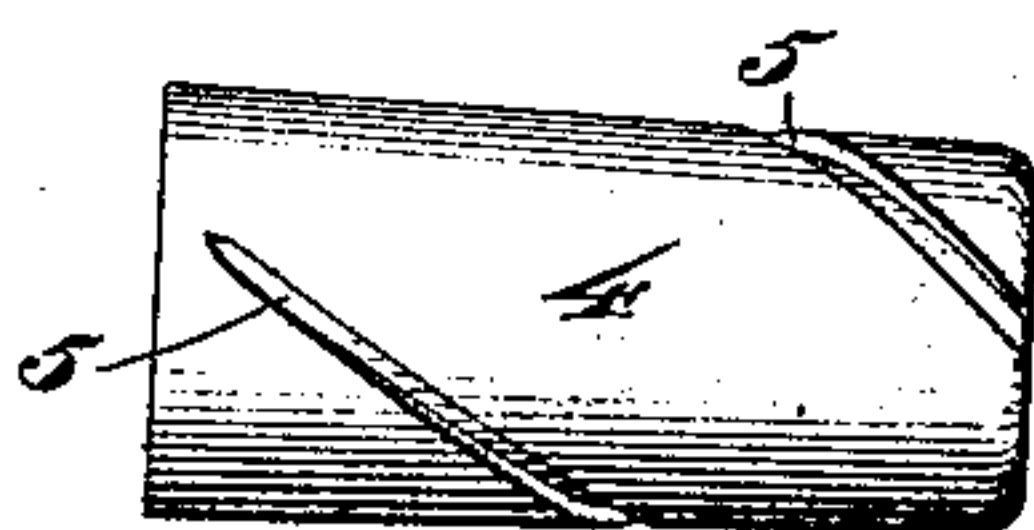


Fig. II.

Witnesses

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JAMES M. KERSEY, OF BETHANY, WEST VIRGINIA, ASSIGNOR OF ONE-THIRD
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GUN-CLEANER.

SPECIFICATION forming part of Letters Patent No. 721,050, dated February 17, 1903.

Application filed September 10, 1901. Serial No. 74,969. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. KERSEY, of Bethany, in the county of Brooke, State of West Virginia, have invented certain new and
5 useful Improvements in Gun-Cleaners, of which the following is a complete specification, reference being had to the accompanying drawings.

The object of my invention is to produce
10 an improved cleaner and wiper for guns and the like which is practical and efficient in use, which by reason of the nature of the material of which it is made is adapted without other
15 aid than the propulsive charge contained in the shell from which it is fired to thoroughly clean the interior of a gun-barrel or the like, and which may be manufactured and sold at a very small cost to the user.

Known cleaners of the class to which my
20 invention belongs are either intended for use in shells especially manufactured for them or are otherwise so constructed as to render the use thereof expensive without producing practical results equal to those attained by
25 the use of my device.

A supply of cleaners constructed in accordance with the principle of my invention may be conveniently carried about the person of
30 a user or on account of the extreme simplicity of their structure may in emergencies be quickly prepared from any material which will attain the result desired.

Other points of usefulness and novelty will be indicated in the accompanying specification and set forth in the appended claim.
35

In the accompanying drawings, Figure I is an elevation of a simple form of cartridge-shell equipped with one form of cleaner ready for
40 use. Fig. II is a modified form of the cleaner shown in Fig. I, showing the same rifled for use in guns requiring projectiles of that nature.

Referring to the numerals on the drawings, 1 indicates a cartridge-shell, which may be of
45 any suitable or preferred type, that shown being illustrated merely by way of example. The shell is provided with a cap 2, designed

to ignite a charge of powder or any other known or preferred explosive 3. The type of shell is, as specified, no part of my invention, 50 any size or shape being equally adaptable for use with my cleaning device.

4 indicates the projectile or cleaner. It may be made of rubber or any other self-expansive material and molded or otherwise formed to
55 conform to the various sizes of shells required for the different bores of gun-barrels. The cleaner is inserted into the outer end of the shell and forced down upon the charge contained therein, in which position it is held by
60 pressure of the outer extremity of the shell. The outer end of the cleaner projects from the shell and is preferably conical in shape.

My cleaner is especially adapted for use in shotguns; but by slight modifications it may
65 be used in any type of firearm. As, for example, if it is desired to use it in a weapon having a rifled bore all that is necessary to conform it to that use is to provide it with rifling, as indicated at 5 in Fig. II of the draw-
70 ings.

It has been specified that the projectile or cleaner may be molded from rubber; but it will be apparent that other methods of manufacture may be employed without departing
75 from the principle of my invention.

In operation, it being desired to remove the foulness caused by repeated discharges of a gun from the interior of the barrel thereof, all that is necessary to accomplish that result
80 is to fit a projectile into a shell and insert the same into the weapon. The explosion of the powder will force the cleaner out through the gun, and the expansive quality of the material of which it is made will tend to cause it
85 to come into positive contact with every point along the interior of the gun-barrel. After its passage the barrel will be found bright and clean, ready for immediate use.

The small cost of the cleaner and the convenience with which a number of them may
90 be carried afford the user of a weapon requiring a device of this sort readily available means for preserving the cleanness and accu-

racy of his weapon at small cost and with practically none of the inconvenience which attends the procuring and transportation of other means for attaining the object of my
5 invention.

What I claim is—

As a new article of manufacture, a gun-cleaning projectile made of rubber or similar

self-expansive material, elongated and provided with rifling, substantially as specified. 10

In testimony of all which I have hereunto subscribed my name.

JAMES M. KERSEY.

Witnesses:

MANTON M. SCOTT,

WILLIAM SUTHERLAND.