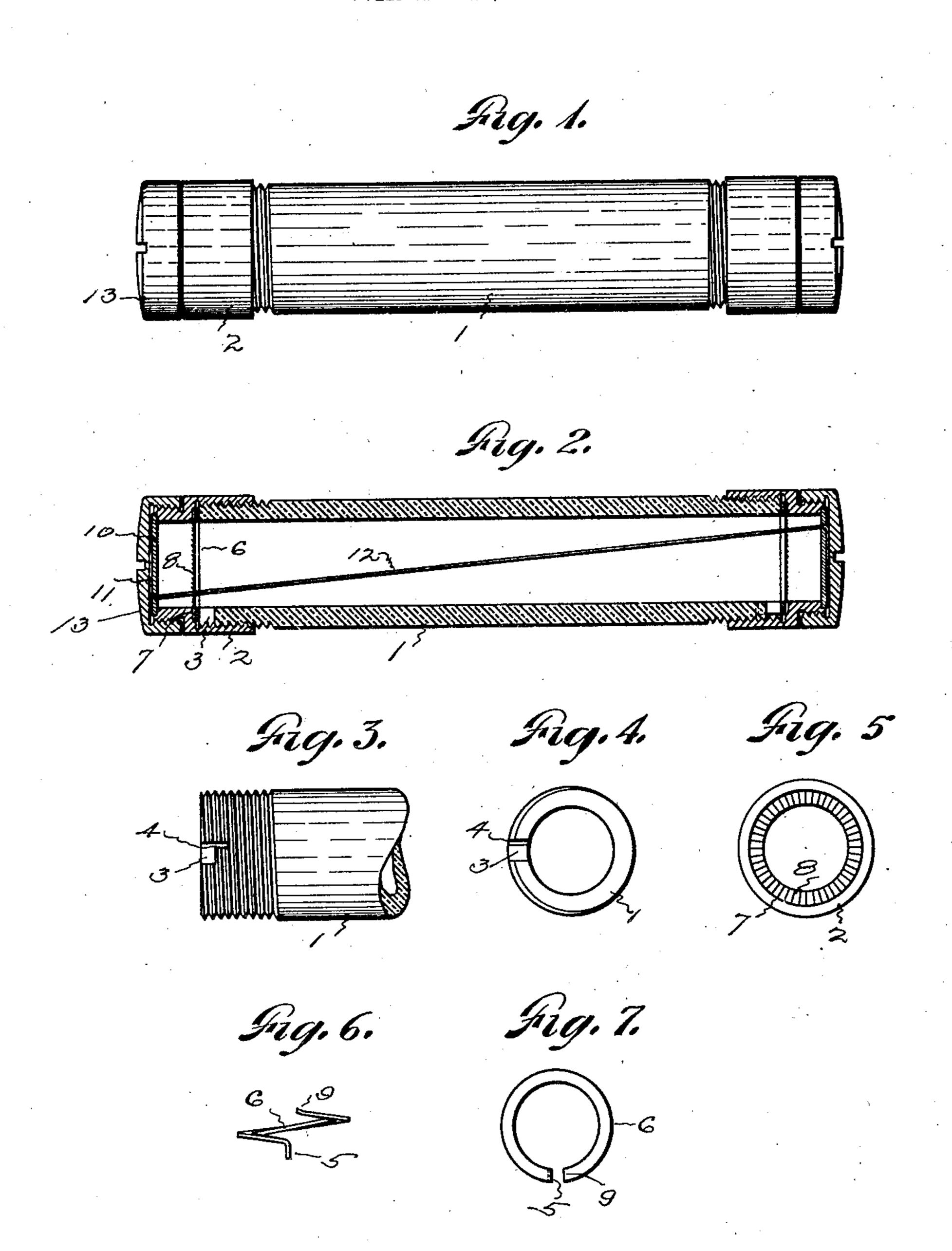
R. C. COLE.
RENEWABLE INCLOSED ELECTRIC FUSE.
FILED APR. 27, 1921.



INVENTOR

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RENEWABLE INCLOSED ELECTRIC FUSE.

Application filed April 27, 1921. Serial No. 464,815.

To all whom it may concern:

ing is a specification.

10 of the ferrule contact type of the renewable receive the turned down ends 5 of the spring. 15 links to escape by passing around the threads form ratchet teeth 8 that are engaged by the mit the escape of gas in this manner there is and the ends 11 of the fusible link 12 are 20 threads on the casing and the threads in the the outside of the washers, after which the ferrules.

a simple and cheap construction by means the washers. of which the parts can without shutting off With this construction there is a metal to 25 the gas escape be readily assembled and the metal contact between the ends of the link ferrules securely locked on the casing on and the ferrules. The end caps can be easily which they are screwed so that they will screwed on and off the ferrules and yet the 80 not become loosened and turned should the ferrules while they can be readily screwed casing shrink or as the end caps are un-30 screwed and replaced when a new fusible looseness cannot be turned backward when link is substituted for one that has been the end caps are unscrewed. blown.

35 with spring rings arranged between them annular spring pawls between the ends of screwed on the casing.

45 the invention. Fig. 2 shows the central clamping the ends of the link to the longitudinal section of the fuse. Fig. 3 washers. shows a side view of one end of the insulating 2. An inclosed fuse comprising an insulat- 100 50 one of the ferrules. Fig. 6 is a side view of between the casing and ferrule at each end of the locking ring.

insulating material, usually fiber, with ex-Be it known that I, Robert C. Cole, a terior threads formed on its ends. Screwed 55 citizen of the United States, residing at somewhat loosely on the ends of the casing Hartford, in the county of Hartford and are ferrules 2 commonly made of brass. In 5 State of Connecticut, have invented a new the ends of the casing are notches 3 which and useful Improvement in Renewable In- permit the escape of gas pressure from the closed Electric Fuses, of which the follow- interior of the casing to the threads which 60 secure the ferrules to the casing. Extending This invention relates to the construction in from the notches are slots 4 designed to class of inclosed electric fuses and more par- locking rings 6 which are arranged between ticularly to such fuses as are designed to the ends of the casing and shoulder 7 in the 65 permit the pressure of the gas generated ferrules. The faces of these shoulders in in the interior by the blowing of the fusible the ferrules are desirably pressed so as to which are provided for securing the ferrules ends 9 of the spring rings. Slotted washers to the ends of the insulating casing. To per- 10 are set into the outer ends of the ferrules 70 of necessity not a very close fit between the thrust through the slots and bent over on end caps 13 are screwed upon the ferrules The object of this invention is to provide so as to clamp the ends of the link against 75

upon the ends of the casing with the desired

The invention claimed is:

This object is attained by securing the 1. An inclosed fuse comprising an insulatferrules on the ends of the insulating casing ing casing, ferrules screwed upon the casing, in such manner that the ferrules can be the casing and the ferrules, said pawls being freely screwed on but when once in place independent of the casing and ferrules but 90 cannot be unscrewed, the spring rings lock- having their opposite ends engaging thereing the ferrules in place so that the end caps with whereby the ferrules may be freely 40 may be screwed on and unscrewed without screwed upon the casing but not unscrewed turning the ferrules which are loosely from the casing, metal washers located at the ends of the ferrules, a fusible link with 95 In the accompanying drawings Fig. 1 its ends extending through said washers, and shows a side view of a fuse which embodies end caps screwed upon the ferrules and

tubular casing. Fig. 4 shows an end view ing casing, a ferrule screwed upon each end of the casing. Fig. 5 is a view looking into of the casing, a spring locking ring arranged one of the locking rings. Fig. 7 is a plan with one end of the ring engaging a notch in the end of the casing and the other end 105 The casing 1 of this fuse is a section of of the ring engaging a toothed shoulder in

,我们的成为,我想要是**那的,我就**们,我们的这种意思的,我们就是一个一块一个女子的这种的。我们也不是一个的人,也不是一个一个一个一个一个一个一个一个一个一个一

一点,我们就没有一个都没有一个人的,我们就不是一个人都是这个的人的,我们就是一个人,我们也不是一个人的人,也不是一个人的人,也不是一个人的人,不是一个人的人,不

\$10. 实际的对抗,对各国的企业的企业的企业的企业。在2016年1000年,2016年1000年,1200年1000年,2016年10日,1200年,1200年 1900年(1900年),1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年10日,1900年1

5 clamping the ends of the link to the washers. to prevent relative rotation of one to the

3. The combination of a tubular insulating other in one direction. fuse casing, a metal ferrule screwed upon the

the ferrule, metal washers located in the end of the casing and an independent lockends of the ferrules, a fusible link with its ing washer located between the end of the ends extending through said washers, and casing and a shoulder in the ferrule and hav- 10 end caps screwed upon the ferrules and ing its ends engaging the respective parts

ROBERT C. COLE.