June 25, 1935. A. B. SCHILLING ET AL 2,005,756

MEANS FOR PACKING A ROUND OF AMMUNITION

Filed Jan. 11, 1935

Fig. 1.

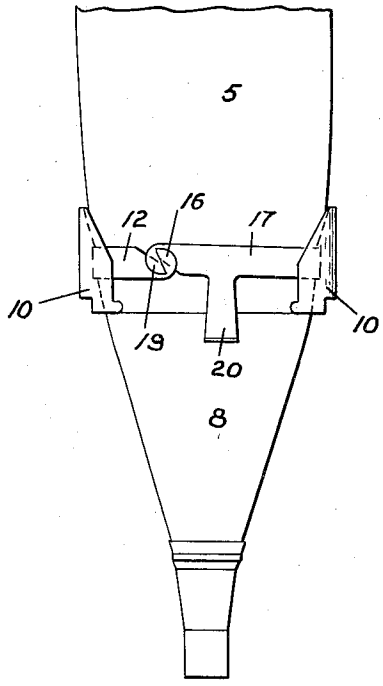


Fig. 2.

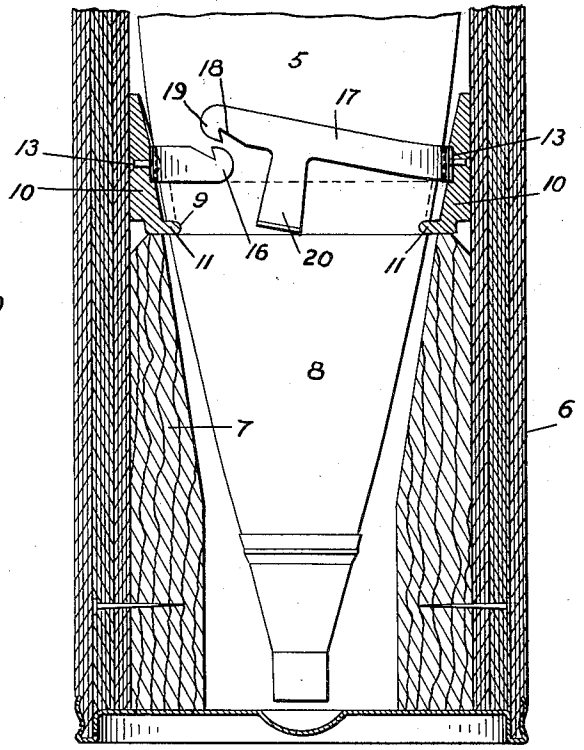


Fig. 3.

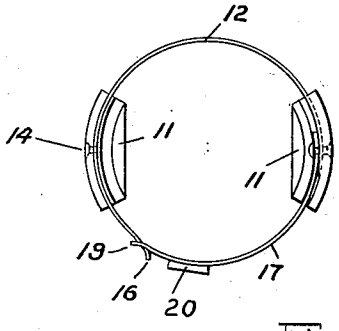


Fig. 5.

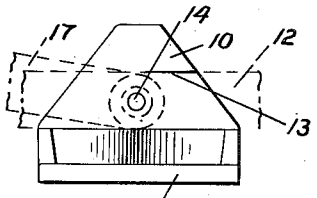


Fig. 6.

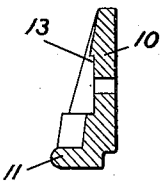


Fig. 4.

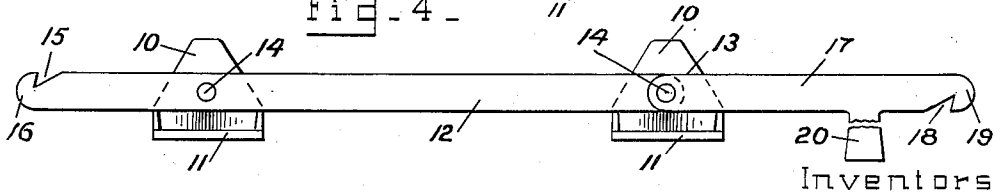
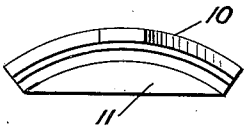


Fig. 7



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MEANS FOR PACKING A ROUND OF AMMUNITION

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Application January 11, 1935, Serial No. 1,320

4 Claims. (Cl. 206—3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described herein may be manufactured and used by or for the Government for governmental purposes, without the payment to us of any royalty thereon.

This invention relates to means for packing a round of ammunition.

The purpose of the invention is to provide packing means for supporting a round of ammunition in a container and to hold the packing means in place by a resilient band which is automatically disconnected when the round is lowered onto its seat in the container.

To these and other ends, the invention consists in the construction, arrangement and combination of elements described hereinafter and pointed out in the claims forming a part of this specification.

A practical embodiment of the invention is illustrated in the accompanying drawing, wherein:

Fig. 1 is a view in elevation of the front end of a round of ammunition with the improved packing means in place.

Fig. 2 is a sectional view of a container and showing a round of ammunition supported therein.

Fig. 3 is a plan view of the packing means locked in encircling position.

Fig. 4 is a view in side elevation of the packing means in open position.

Fig. 5 is a detail view in side elevation of one of the blocks.

Fig. 6 is a sectional view of the block.

Fig. 7 is a plan view of the block.

Referring to the drawing by characters of reference there is shown a round of artillery ammunition 5 which is placed in a container 6 and is adapted to be supported by a tubular seat 7 so that its fuse 8 is protected and spaced from the end of the container. The fuse is provided with a pair of wrench grooves 9—9 whereby it is applied to the round.

The round is supported on the seat 7 by means of a pair of similar blocks 10—10, each of which has a lip 11 on its lower end engaging in one of the grooves 9 of the fuse and resting on the seat 7 when the round is in place in the container. The interior and exterior walls of the blocks conform to the contours of the round and of the container so that the round is held against lateral movement.

The blocks 10—10 are carried in spaced relation by a resilient metal band 12 which fits in a groove 13 formed in the inner wall of each block and is fastened to each of the blocks by a rivet 14. One end of the band extends beyond the edge of the corresponding block and has a notch 15 to provide an upwardly directed hook 16.

A latch 17 formed of a resilient metal band similar to the band 12 is pivotally mounted on the rivet 14 which secures the un-notched end of the band 12. The free end of the latch has a notch 18 to provide a downwardly directed hook 19 adapted to engage the hook 16 when the band 12 and latch 17 are brought together after encircling the fuse. A finger 20 is secured to the latch adjacent the notch 18 and projects downwardly.

The blocks 10 are applied to the fuse prior to insertion of the round into the container and are held in place by engaging the hook 19 of the latch 17 with the hook 16 of the band 12. When the round is lowered into the container the finger 20 engages the tubular seat and on continued lowering the latch is thereby unhooked from the band as clearly shown in Fig. 2. The blocks 16 are now resting on the tubular seat and support the round.

When the round is withdrawn from the container the resilient band 12 straightens out and throws the blocks 10 clear of the fuse.

We claim:

1. In combination with a container having a seat, a round of ammunition having recesses and adapted to be inserted in the container, a pair of blocks each having a lip engaging in one of the recesses in the round, a resilient band connecting the blocks and having a hooked end, a resilient latch carried by one of the blocks and having a hooked end adapted to engage the hooked end of the band when the band and latch encircle the round and a projecting finger on the latch adapted to engage the seat of the container to unhook the latch.

2. In combination with a container having a seat, a round of ammunition adapted to be inserted in the container, a pair of blocks applied to the round, a resilient band including a latch encircling the round and holding the blocks in place, and means on the latch whereby it is inoperated on engagement with the seat of the container.

3. In combination with a round of ammunition having recesses, a pair of blocks each having a lip engaging in one of the recesses, a resilient band connecting the blocks and having a hooked end, a resilient latch carried by one of the blocks and having a hooked end adapted to engage the hooked end of the band when the band and latch encircle the round and a projecting finger on the latch.

4. In combination with a round of ammunition, a pair of blocks applied to the round, and a resilient band including a latch encircling the round and holding the blocks in place.

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