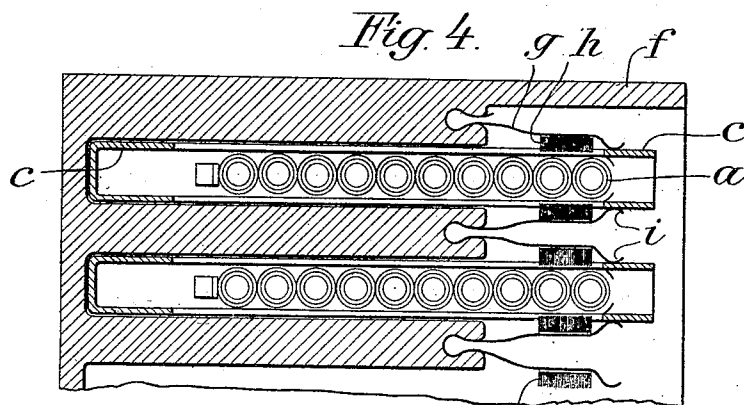
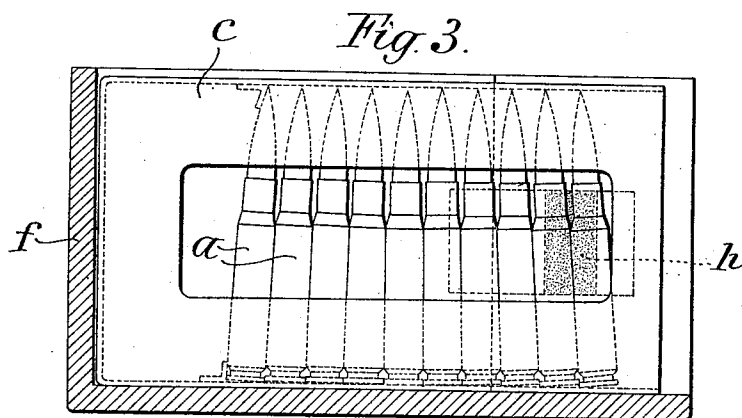
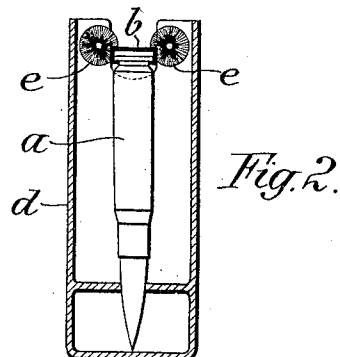
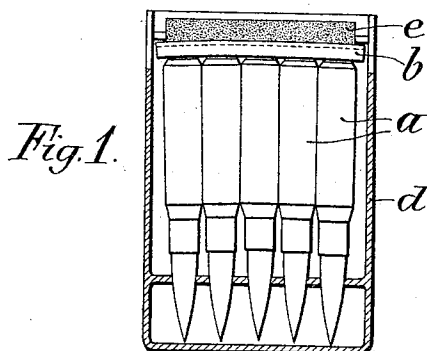


R. FROMMER.
GREASING DEVICE FOR THE AMMUNITION OF FIREARMS.
APPLICATION FILED FEB. 3, 1909.

974,784.

Patented Nov. 8, 1910.



Witnesses:
H. Hoyer.
C. Steed

Inventor.
Rudolph Frommer
by A. J. Allen.

UNITED STATES PATENT OFFICE.

RUDOLPH FROMMER, OF BUDAPEST, AUSTRIA-HUNGARY.

GREASING DEVICE FOR THE AMMUNITION OF FIREARMS.

974,784.

Specification of Letters Patent.

Patented Nov. 8, 1910.

Application filed February 3, 1909. Serial No. 475,801.

To all whom it may concern:

Be it known that I, RUDOLPH FROMMER, of 158 Külső Soroksári ut, Budapest, Austria-Hungary, manager, subject of the King of Hungary, have invented certain new and useful Improvements in or Relating to Greasing Devices for the Ammunition of Firearms, of which the following is a specification.

My present invention has for its object a device whereby ammunition for fire arms before its use is automatically greased when removed from the ammunition holder.

As long as the ammunition is not used the grease carrier is held away from and out of contact with the ammunition, but is automatically brought in contact therewith, when the ammunition is removed from its holder. Thus any greasing substance irrespective of its chemical and physical properties can be used, and the ammunition can be stored for any length of time without being affected by the greasing substance. This is accomplished by my invention in providing at the place where the ammunition is withdrawn from its holder, a carrier for the lubricating substance, which carrier is normally out of contact with the ammunition but is automatically brought in contact therewith while the ammunition is being removed from its holder, so that the lubricating substance will be applied to the ammunition and grease the same.

On the accompanying drawing, in which my invention has been illustrated, Figures 1 and 2 are longitudinal and transverse sections respectively of a greasing device, which may be used in connection with an ordinary cartridge holder, while Figs. 3 and 4 are longitudinal and transverse sections respectively of another form of my greasing device used in connection with cartridge boxes containing magazines for holding the cartridges.

As seen first from Figs. 1 and 2, the cartridges *a*, are held in well known manner by loading strips *b*, in a cartridge holder *d*. At the place of the latter where the cartridges are removed from the holder, together with the loading strip *b*, roller brushes *e*, are arranged in such a position as to project into the path of the cartridges without however coming in contact with them, being held away from the cartridges by the loading strip *b*. The said roller brushes are satu-

rated with a suitable greasing substance so that the cartridges, when they are withdrawn from their holder, will be greased by said brushes, while passing between them.

In the construction shown in Figs. 3 and 4, springs *g*, are provided at the places in the casing or box *f*, from which the cartridges are removed, together with their magazines *c*. The said springs *g*, carry brushes *h*, which are saturated with some suitable greasing substance. The magazines *c*, as can be seen in Fig. 3, have in their side walls large openings through which the brushes *h*, carrying the greasing substance can project to contact with the cartridges *a*, held in the magazines *c*. Normally, however, the brushes *h*, are held away from the cartridges, the springs *g*, which carry the brushes being provided with bent portions or noses *i*, that bear against the side walls of the magazines *c*, while they are in their normal positions in the box *f*. When the magazines, together with the cartridges however, are withdrawn from the casing or box *f*, the noses *i*, will slide off from the walls of the magazines and the brushes *h*, carried by the springs *g*, will be forced inwardly against the cartridges and grease them while they are withdrawn.

I claim:

1. In a greasing device for the ammunition of fire arms the combination with the ammunition holder, of grease carriers, means for holding the latter out of contact with the ammunition and means to bring the said grease carriers in contact with the ammunition upon the withdrawal of same from its holder.

2. In a greasing device for the ammunition of fire arms the combination with the ammunition holder, of grease carriers so arranged as to be in the path of the ammunition while the same is withdrawn from its holder, means for normally holding the said grease carriers out of contact with the ammunition and upon the withdrawal thereof automatically bringing the grease carriers in contact with the ammunition.

3. In a greasing device for the ammunition of fire arms the combination with the ammunition holder, of grease carriers so arranged as to be in the path of the ammunition while it is withdrawn from its holder, yielding means for normally holding the said grease carriers away from the ammunition and

upon the withdrawal thereof from the holder automatically forcing the grease carriers against the ammunition.

- 5 4. In a greasing device for the ammunition of fire arms the combination with the ammunition holder, of roller brushes saturated with grease, springs holding said roller brushes in the path of the ammunition while it is withdrawn from the holder

and abutments normally holding said 10 brushes away from the ammunition.

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

RUDOLPH FROMMER.

Witnesses:

JULÖYS SCHÖN,
MICHAEL TONTOR.