

J. M. BROWNING.
CARTRIDGE CARRIER.
APPLICATION FILED NOV. 28, 1917.

1,301,810.

Patented Apr. 29, 1919.

Fig. 1.

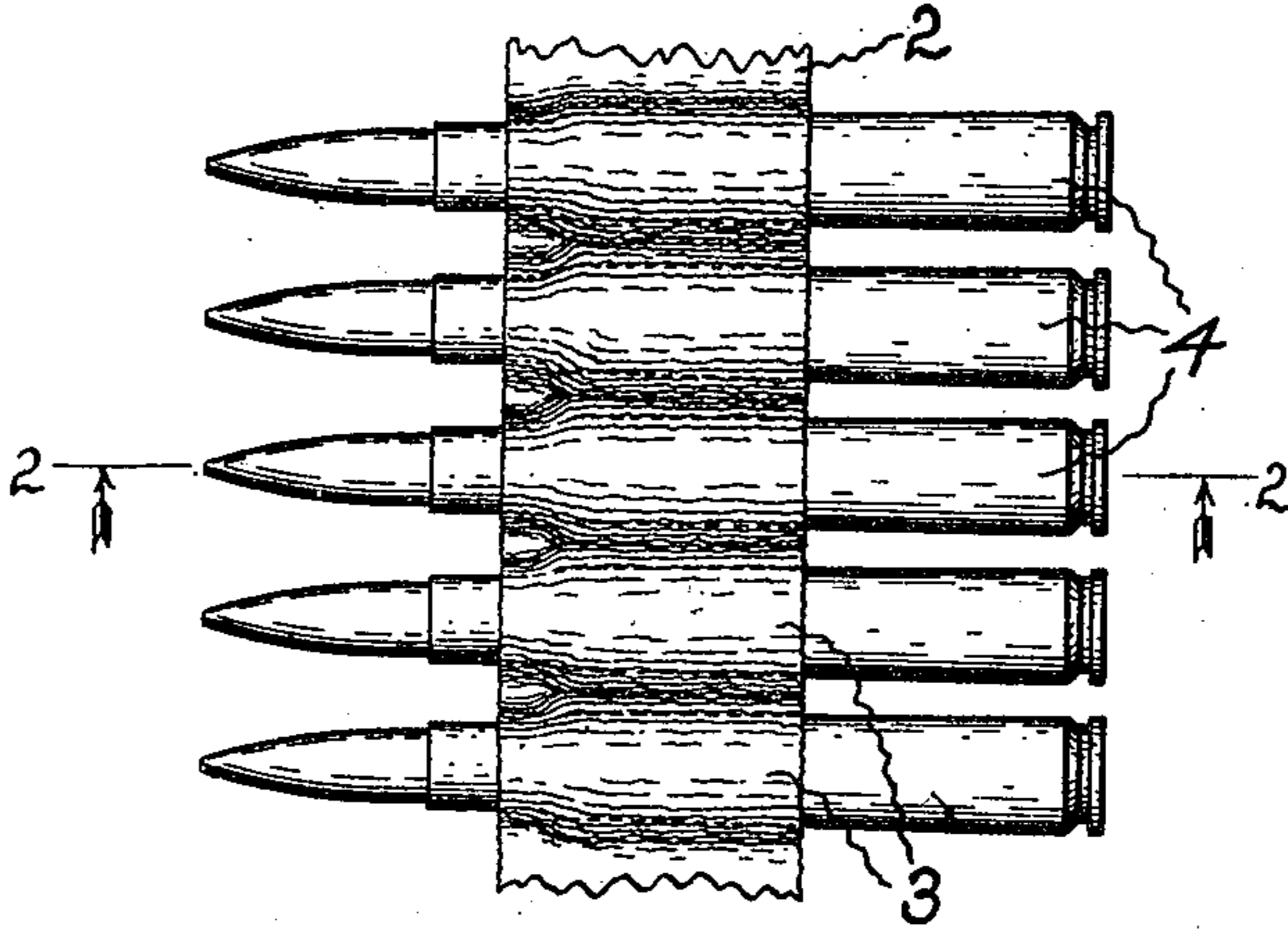


Fig. 2.

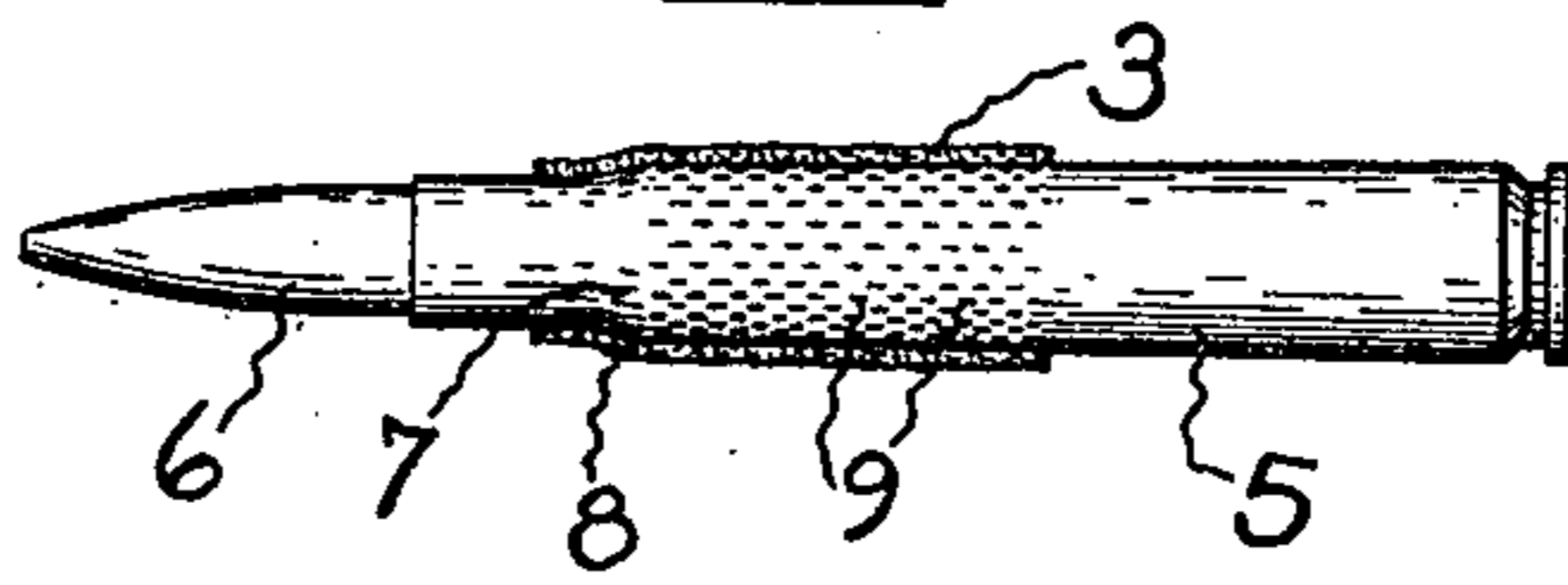
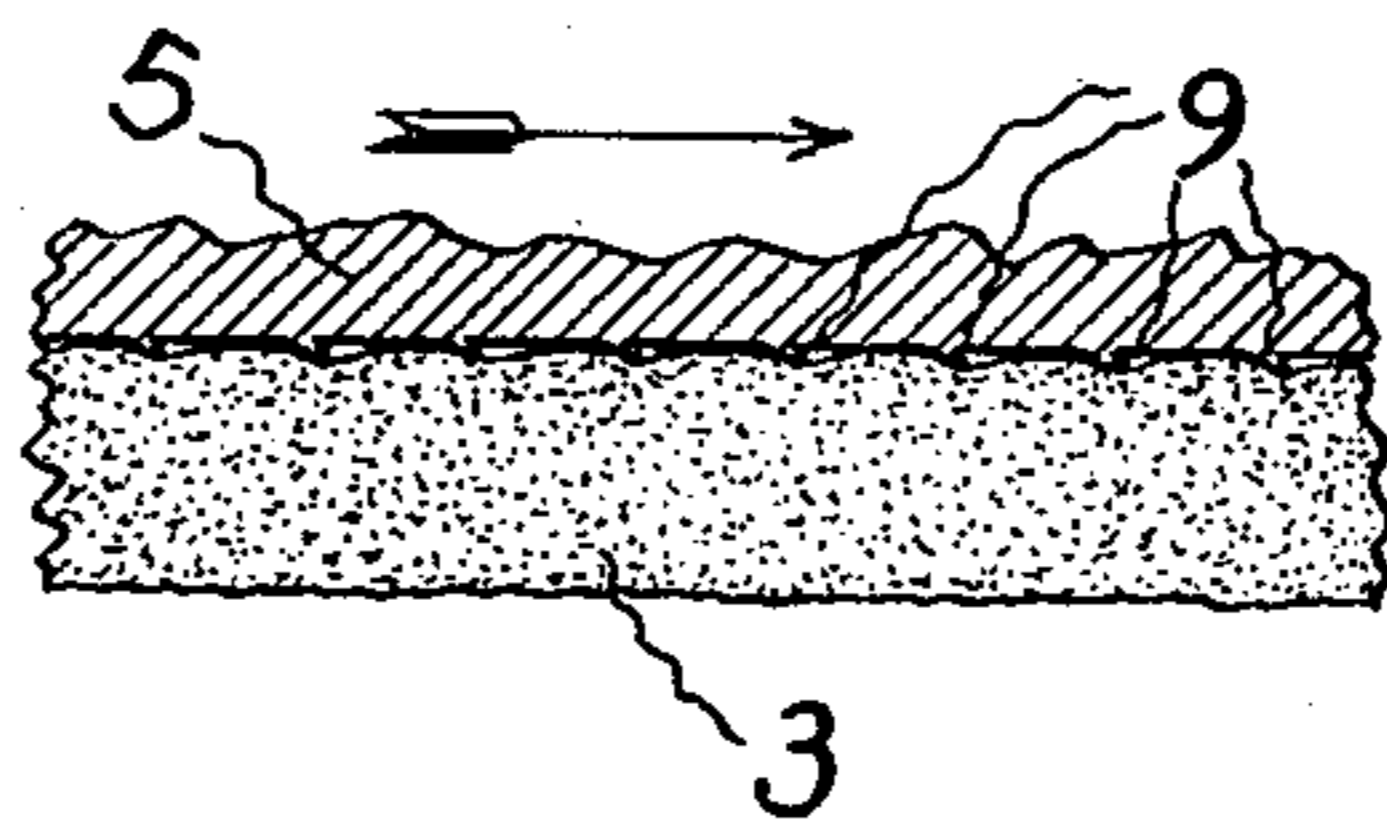


Fig. 3.



J. M. Browning Inventor
BY *Heit Schuler* Attorney

UNITED STATES PATENT OFFICE.

JOHN M. BROWNING, OF OGDEN, UTAH, ASSIGNOR TO COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, OF HARTFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT.

CARTRIDGE-CARRIER.

1,301,810.

Specification of Letters Patent. Patented Apr. 29, 1919.

Application filed November 28, 1917. Serial No. 204,451.

To all whom it may concern:

Be it known that I, JOHN M. BROWNING, a citizen of the United States, residing at Ogden, in the county of Weber and State of Utah, have invented certain new and useful Improvements in Cartridge-Carriers, of which the following is a specification.

This invention relates to cartridge carriers. I use the title selected as a matter of convenience, and further for the fact that the invention involves the cartridge as well. In a certain kind of machine gun the ammunition is carried by a belt which is usually flexible and of textile material. There are ordinarily a large number of these cartridges which fit loops or pockets in the belt. The latter is subjected to vibration, jars and shocks particularly when used as an adjunct in aerial warfare. When the belt is thus vibrated, the result is that the cartridges are dislodged or slipped from their correct positions. In this event the efficiency of the belt is naturally affected; certainly it is so far as the displaced cartridges are concerned. One of the fundamental purposes I have in view is the provision of an article of the nature set forth by which the cartridges are positively prevented from moving with respect to their carrier or belt. This particular movement which I eliminate is in the direction of the longitudinal axes of the cartridges. While it is conceivable that the function I attain can be secured in several ways, I prefer to do so by peripherally roughening the shells of the cartridges. The roughened portion is desirably secured by providing the shell with a multiplicity of small projections or barbs which bite into the fabric of the carrier when the cartridges are in proper assembled relation therewith and thus accomplish the end in view. These projections or barbs are comparatively speaking of quite small size and thus do not interfere with the proper insertion of the cartridge into the gun of whatever type it may be; they point toward the butt or base of the cartridge and thus resist in a proper manner the accidental displacement of the cartridges by entering the material of the carrier or belt.

In the drawings accompanying and forming part of the present specification I have

shown in detail a form of embodiment of the invention which to enable those skilled in the art to practise the same will be set forth fully in the following description. As will be clear, I do not restrict myself to this particular disclosure; I may depart therefrom in several respects within the scope of the invention defined by the claims following said description.

Referring to said drawings:

Figure 1 is a top plan view of a cartridge carrier with cartridges sustained embodying the invention.

Fig. 2 is a transverse section on the line 2—2 of Fig. 1, looking in the direction of the arrows.

Fig. 3 is a detail in section and on an enlarged scale of a portion of the carrier and cartridge, the arrow pointing toward the base of the cartridge.

Like characters refer to like parts throughout the several views.

The article involves in its make-up a belt or carrier as 2. This is generally made of webbing or some suitable textile material, and its length may be as required. The carrier or belt 2 is furnished with a line of loops or pockets as 3 customarily made integral therewith and opening each at their ends. These loops in the aggregate extend longitudinally of the belt, although their longitudinal axes are transverse of the belt. The cartridges are denoted by 4. Each cartridge comprises a shell 5 and a projectile 6. The shells 5 are narrowed or tapered peripherally as at 7 to fit against the tapered forward ends 8 of the pockets and naturally prevent the cartridges from being pushed entirely through the pockets or loops. To extract the cartridges from the pockets it is necessary to pull them rearwardly which in Figs. 1 and 2 is toward the right. The foregoing is a concise disclosure of a structure quite common in the field of ordnance. My invention while not necessarily restricted to use in connection therewith is of particular utility, however, when employed in connection with parts such as those described.

The cartridges are shown transversely alined in Fig. 1, and as will be inferred one of my principal motives is to maintain this alinement under various conditions. The

cartridges have an interlocked relation with their carrier or belt. While it is conceivable that this can be accomplished in various ways, I prefer to provide the shells with one or more circumferential projections or teeth which penetrate the fabric of the belt and thus effectually preclude this endwise movement. The shells are shown provided peripherally near their forward or reduced ends with a multiplicity of comparatively fine projections or teeth. These teeth point toward the rear of the shell as best shown in Fig. 3. They may be formed in any desirable manner upon the shells and do not increase its diameter or caliber as to interfere in any wise with their proper insertion into the barrel of the gun. When the cartridges are pushed home in the belt, however, these peripheral projections, barbs or teeth bite into the stock of the belt to such an extent as to effectually prevent accidental backward movement of the cartridges and thus maintain them in line with each other and also in proper position in the belt.

What I claim is:

1. A cartridge comprising a shell and a projectile, the shell being peripherally roughened to cooperate with a belt to prevent

accidental movement of the cartridge with respect to the belt.

2. A cartridge comprising a shell and a projectile, the shell having a multiplicity of pointed projections on its circumference to enter a belt and thus prevent accidental movement of the cartridge with respect to the belt.

3. A cartridge comprising a shell and a projectile, the shell having a circumferential projection having a point which points toward the butt or base of the shell.

4. A cartridge comprising a shell and a projectile, the forward portion of the shell having a multiplicity of pointed projections to enter the material of a belt and thus prevent accidental relative movement of the cartridge and the belt.

5. A cartridge comprising a shell and a projectile, the forward portion of the shell having a multiplicity of pointed projections which point toward the butt of the shell.

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

JOHN M. BROWNING.

Witnesses:

L. L. MARKEL,
HEATH SUTHERLAND.