

N. BJÖRGUM.
CARTRIDGE FEED BELT.
APPLICATION FILED APR. 3, 1911.

1,038,078.

Patented Sept. 10, 1912.

Fig. 1.

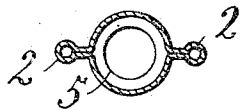


Fig. 2.

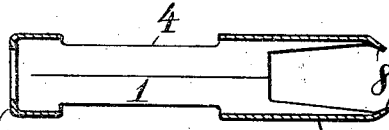


Fig. 3.

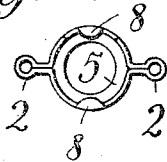


Fig. 4.

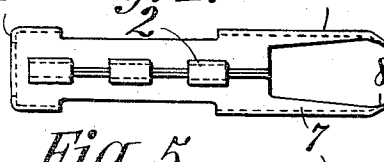


Fig. 5.

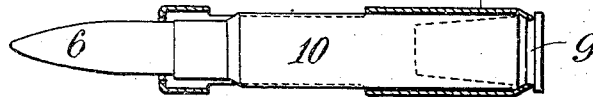


Fig. 6.

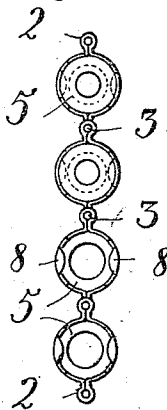


Fig. 7.

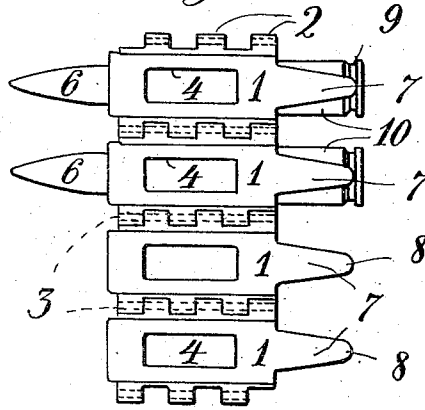


Fig. 8.

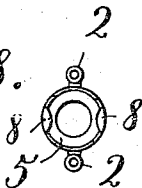
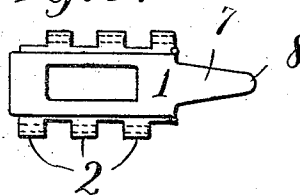


Fig. 9.



Witnesses.
B. Rommers
Elizabeth Leckert

Inventor
Nils Björgum
By *Henry M. J. atty*

UNITED STATES PATENT OFFICE.

NILS BJÖRGUM, OF ASKER, NEAR CHRISTIANIA, NORWAY.

CARTRIDGE-FEED BELT.

1,038,078.

Specification of Letters Patent.

Patented Sept. 10, 1912.

Original application filed August 22, 1910, Serial No. 573,442. Divided and this application filed April 3, 1911. Serial No. 618,643.

To all whom it may concern:

Be it known that I, NILS BJÖRGUM, a subject of the King of Norway, residing at Asker, near Christiania, Norway, have invented certain new and useful Improvements in Cartridge-Feed Belts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in cartridge feed-belts and is a division of my application, filed August 22, 1910, Serial No. 573,442.

The object of the invention is to provide a cartridge feed-belt which will serve as a steady support for a cartridge when it is brought into position for being gripped by a conveyer such as shown in my original application, and which takes the cartridge to the chamber, said belt allowing the cartridges to be removed easily therefrom in the axial direction of the cartridge.

My invention consists in forming the belt entirely of metal and providing means to secure a correct position both during transportation and the feeding operation. The belt is so constructed that it is both light and strong so that very little force is necessary for pulling the cartridges out of the belt.

In the accompanying drawing—Figure 1 is a cross section of a belt member, a plurality of which compose a belt embodying my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is an end view of one member. Fig. 4 is a side view thereof. Fig. 5 is a longitudinal section through a belt member in which a cartridge is inserted. Figs. 6 and 7 are end and plan views respectively of a plurality of belt members, the upper two carrying cartridges. Figs. 8 and 9 are end and plan views respectively of a single member drawn on a smaller scale.

The belt consists of a plurality of tube like members 1 made of a single piece of metal, having knuckles 2 formed on each side, said knuckles being so disposed that those of one tube will fit between the knuckles of another tube (Fig. 7) and are joined by a pin 3 which passes through the knuckles and on which the tubes turn forming a flexible connection. Any number of tubes may be thus hinged together to form a continuous belt of any desired length.

The tubes are preferably provided with side openings 4, for the sake of making the belt as light as possible. At the front end of each tube the metal is bent to form a flange 5 which fits closely around the projectile 6 to steady it. At the rear end arms 7 are formed having inwardly bent lips 8 which snap into the groove 9 of the cartridge shell 10. These arms form spring latches which keep the cartridge in a correct position.

I claim—

1. A cartridge feed-belt composed of a plurality of tubes each shorter than a cartridge, each tube having its front end bent inwardly to form a flange adapted to engage a projectile and spring arms formed on the rear end having inwardly projecting lips adapted to snap into the groove of a shell, and lateral knuckles formed in the side of the tube adapted to fit between knuckles formed in an adjacent tube.

2. A cartridge feed-belt composed of a plurality of tubes each made of a single piece of metal shorter than a cartridge and having its front end bent inwardly to form a flange and its rear end formed with inwardly projecting lips, said tubes having integral hollow knuckles pressed therein to form lateral hinge members for interconnecting the tubes.

In testimony that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

NILS BJÖRGUM.

Witnesses:

AUG. OLSEN,

HENRY BORDEWICH.