39. TEXTILES, WEAVING.
390

Draftsman.

No. 860,592. PATENTED JULY 16, 1907.

F. R. BATCHELDER.

WOVEN CARTRIDGE CARRIER.

APPLICATION FILED JAN. 28, 1907.

FIG. 1.

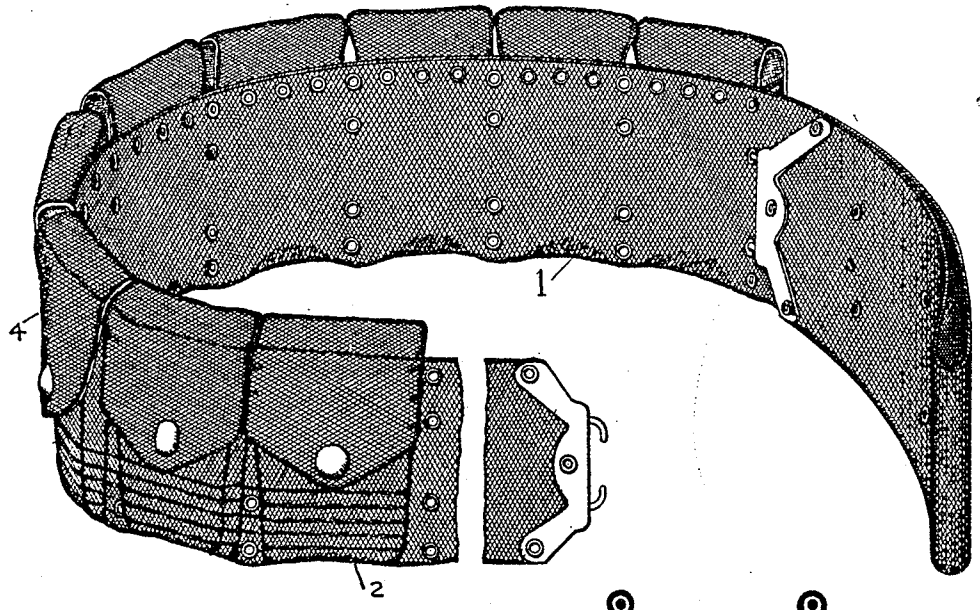


FIG. 2.

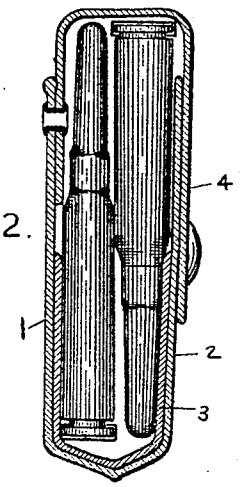
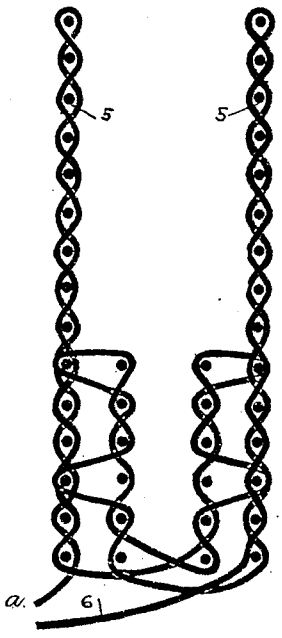


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK R. BATCHELDER, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO MILLS WOVEN CARTRIDGE BELT COMPANY, OF WORCESTER, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

WOVEN CARTRIDGE-CARRIER.

No. 860,592. Specification of Letters Patent. Patented July 16, 1907.

Application filed January 28, 1907. Serial No. 354,492.

To all whom it may concern:

Be it known that I, FRANK R. BATCHELDER, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Woven Cartridge-Carriers, of which the following is a specification.

This invention relates to woven cartridge carriers, whether formed as a structural part of a belt, or separately therefrom, for detachable connection thereto, and the object is to provide a carrier which is reinforced in a novel manner to resist the wearing or cutting through of the pockets by the pressure and abrasion of the cartridges carried therein.

In the drawing, Figure 1 is a view of a belt having cartridge pockets constructed in accordance with my invention; Fig. 2, a section taken through one of the pockets, and Fig. 3, a diagrammatic view showing the manner of weaving the same.

In woven cartridge carriers now in use, it has been found that the pressure and abrasion caused by the cartridges or by the clips tends to wear or cut through the fabric, permitting the cartridges to escape therefrom, thus rendering the carrier worthless. This difficulty might be overcome by making all of the parts of the fabric thicker, by increasing the number of threads or plies thereof, but this is objectionable because it would necessarily involve increased weight which it is especially desired to avoid in military equipments, and also a general clumsiness in appearance.

My invention is designed to render the cartridge-carrying pockets sufficiently strong to resist the wearing action of the cartridges or clips without materially increasing the weight or detracting from the appearance of the carrier. I accomplish this by reinforcing the bottom of the pocket, not through the medium of strips of material sewed therein but by superadding an extra ply to the regular fabric of the carrier, said ply extending from the bottom of the pocket upward at the front and rear walls thereof to a distance sufficient to carry it above the abrasive points of the cartridges or clips, this superimposed ply being woven homogeneously with the main body of the carrier.

In the drawing, 1 designates the body of the belt or carrier, here shown as a belt and 2 the ordinary pocket woven as a part thereof.

3 is the reinforcing ply of material and 4 the cover or flap of the pocket, which latter is secured to the rear wall of the pocket by riveting or otherwise and may or may not be so constructed that its inner end terminates above the upper end of the reinforcing ply.

In weaving my improved carrier, I carry through the loom the threads composing the reinforcement and join them to the body of the carrier by suitable binder threads, using the same weft thread throughout.

Referring to the diagrammatic view, 5 designates the warp threads and 6 the single weft thread which is interwoven with the four plies of the cloth, said thread passing four times around the bottom of the pocket giving great strength and security to the fabric at what would otherwise be its weakest point, and having completed its work in having formed one pocket, emerging at the point *a* and entering the main body or supporting fabric of the belt or carrier. The reinforcing ply may be woven on the outside of the pocket in such a manner as to leave the inner surface thereof entirely smooth, the weaving operation being the same in either case, or if it is desired, the bottom of the pocket and only one wall, either front or back may be reinforced. When the end of a series of pockets is reached, the two plies forming the reinforcement, that is, the ply interwoven with the rear wall of the pocket and that interwoven with the front wall thereof are woven as floating threads along and outside the belt proper, but forming no part of it until another of said pockets is begun. On finishing, these floating threads are cut close to the body fabric, after having been secured upon the outer line of the pockets. Thus the reinforcement stops at the ends of the series of pockets, which leaves the remainder of the belt of the same thickness as in the ordinary construction of woven belt. This is the preferable construction as the continuation of the reinforcement beyond the series of pockets would materially increase the weight of the belt without securing any advantages therefrom. The reinforcement may, however, be interwoven with the body portion of the belt or carrier throughout the entire extent thereof, but, as stated, this construction is not as desirable as that in which the reinforcement stops at the ends of the series of pockets.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:

1. A belt or carrier formed of a woven fabric provided with a cartridge pocket having a reinforced portion comprising an additional ply or plies of fabric interwoven therewith.

2. A belt or carrier formed of a woven fabric and provided with a cartridge pocket having a reinforcement at the lower portion thereof comprising an additional ply or plies of fabric interwoven with the fabric thereof.

3. A belt or carrier formed of a woven fabric and provided with a cartridge pocket having a reinforcement at the bottom and on the front and rear walls thereof of less depth than the pocket and comprising an additional ply or plies of fabric interwoven with the fabric thereof.

4. A cartridge belt or carrier formed of woven fabric provided with a series of cartridge pockets woven integrally therewith, said pockets having a reinforcing portion

comprising an additional ply or plies of fabric interwoven therewith, said reinforcement terminating at the ends of the series of pockets.

5. A belt or carrier formed of a woven fabric having a cartridge pocket provided with a reinforcement comprising a superimposed ply or plies of fabric woven homogeneously with the fabric thereof.

6. A woven cartridge belt provided with woven pockets, the lower portion of said pockets provided with a reinforcing ply.

7. A woven cartridge belt having integral woven pockets, each pocket having an additional ply woven in the lower portion of its front wall.

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

FRANK R. BATCHELDER.

Witnesses:
CARL T. KRONAFP,
ARTHUR W. CARLSON.