

No Model.)

2 Sheets—Sheet 1.

A. LE GRAND PEIRCE.
MILITARY VELOCIPEDE.

No. 567,162.

Patented Sept. 8, 1896.

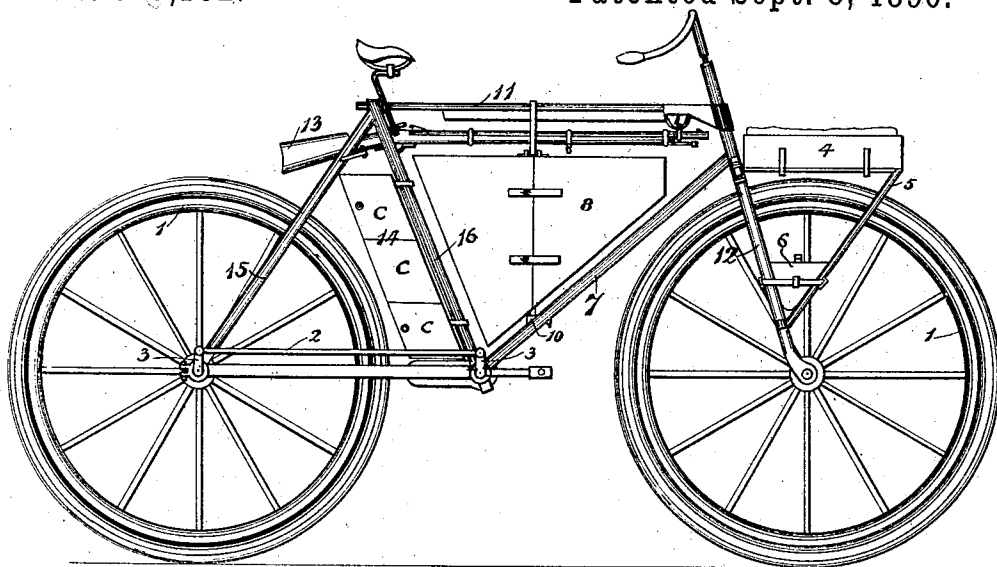


Fig. 1

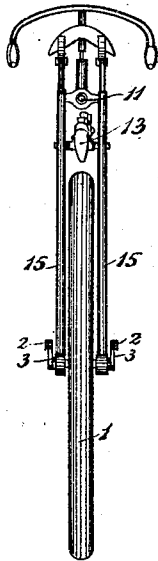


Fig. 2

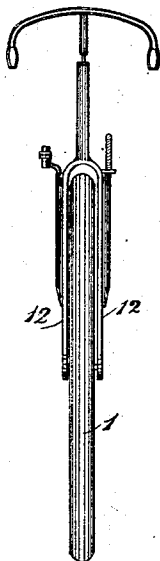


Fig. 3

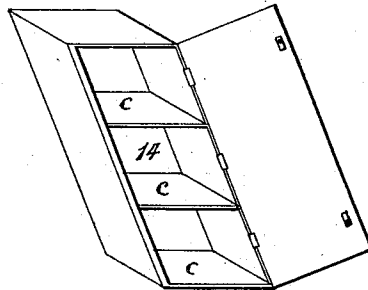


Fig. 4

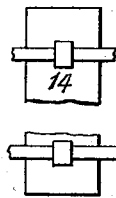


Fig. 5

Witnesses

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H. W. Loashey.

Inventor
Almy Le Grand Peirce,
by Wm L. Pierce,
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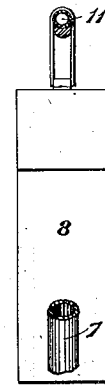
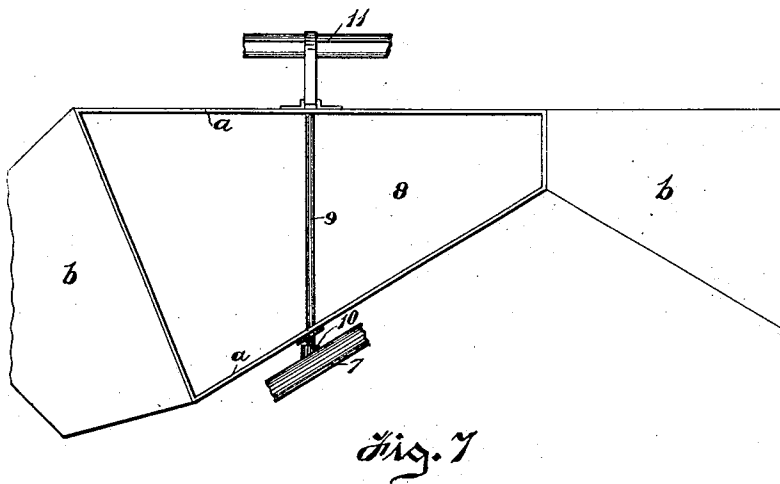
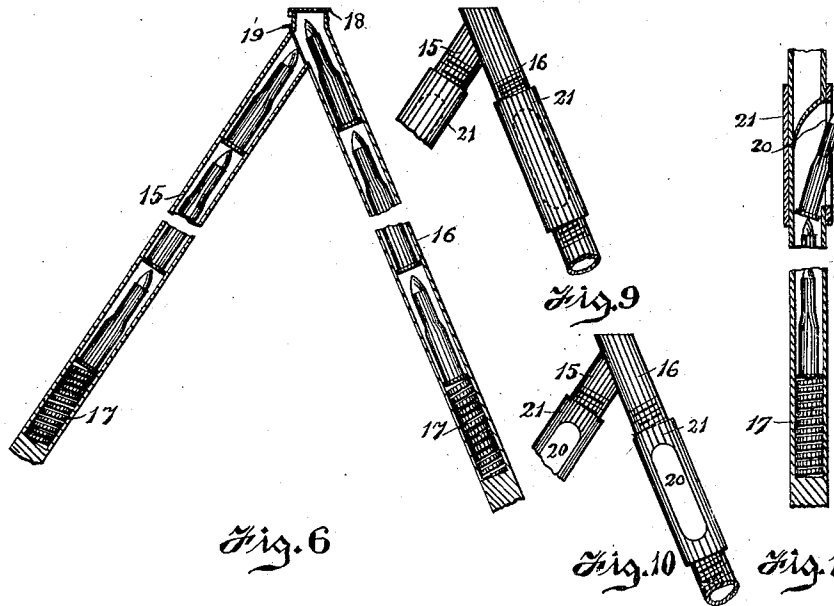
(No Model.)

2 Sheets—Sheet 2.

A. LE GRAND PEIRCE.
MILITARY VELOCIPEDÉ.

No. 567,162.

Patented Sept. 8, 1896.



Witnesses

H. W. Middlemist
M. W. Caskey,

Inventor
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his attorney

UNITED STATES PATENT OFFICE.

ALMY LE GRAND PEIRCE, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO
THE U. S. CYCLE IMPROVEMENT COMPANY, OF SAME PLACE.

MILITARY VELOCIPEDE.

SPECIFICATION forming part of Letters Patent No. 567,162, dated September 8, 1896.

Application filed October 18, 1895. Serial No. 566,119. (No model.)

To all whom it may concern:

Be it known that I, ALMY LE GRAND PEIRCE, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered a new and useful Improvement in Military Velocipedes, of which the following is a specification.

In the accompanying drawings, which make part of this specification, Figure 1 is a side elevation of my improvement; Fig. 2, a rear view; Fig. 3, a front view; Fig. 4, a perspective of haversack; Fig. 5, a broken end view of same; Fig. 6, a vertical section of cartridge-magazines; Fig. 7, a side elevation of revolving knapsack open; Fig. 8, an end view of same; Figs. 9, 10, and 11, detail views of a modification of cartridge-magazines.

This invention relates to a velocipede constructed for army use. It is built so as to utilize all the space required by a soldier's equipment on the march or in action. The frame is light but strong and the wheel will stand rough usage. I prefer to drive the same by rods and gear-wheels, as the chain is liable to break or clog up on a long march and make the propulsion severe labor. I utilize also all my frame for various additional purposes.

In the accompanying views, 1 1 are the wheels, driven, preferably, by coupling-rods 2 2, cranks 3 3, and suitable gears.

4 is a small light knapsack placed upon auxiliary frame 5, at the front of the machine. 6 is the canteen, supported at the bottom of frame 5. Frame 5 is detachable and can be used as a bracket in camp.

The front tubing 7 may be utilized as an oil-reservoir.

8 is a knapsack having suitable frame *a a* (seen in Fig. 7) and folding wings *b b*, closing in the side. The knapsack is pivoted on rod 9, whose lower end rests in socket 10 on the frame and whose upper end is secured to tubing 11 of frame. When the knapsack is packed, it can be used as a barricade to fire over, and can be rotated at any desired angle when using the stationary gun or at other times. It is easily detachable.

Side front forks 12 12 can be utilized as a sheath for bayonet and dagger sword.

The top tubing 11 constitutes a gun-barrel, the front and back parts of the gun being braced or secured to the frame. This gun is preferably pointed rearward for the following reasons: A soldier going into action would have no time to brace the velocipede, but by one hand on the handle-bar he can adjust the front wheel so as to place the gun in any position. This could not be done by placing the gun the other way, and it is more convenient, for the soldier can readily reverse the velocipede or stack it sidewise. However, the gun may be pointed forward, if desired. This gun-barrel may be rifled of any caliber desired, or it may be of large bore suitable for buckshot or a number of spherical lead bullets, or a light Gatling gun could be mounted in the place of this barrel.

Swung from the frame below gun No. 1 is a second gun 13, pointing to the front, where it can be readily grasped as one dismounts.

14 is a haversack of aluminium or leather or like strong light material. It is best made in compartments *c c* and is detachable for use in camp.

The rear tubings 15 15 and 16 16 I utilize as magazines for cartridges, the cartridges being thrown up by spiral springs 17 17.

18 is a spring-cap, which being opened permits the cartridges to come out, and 19 a hand-slide, which prevents interference between the two rows of cartridges. In Figs. 9, 10, and 11 I show a modified magazine still made of the tubing, but wherein the cartridges come out at the side slot 20, which is normally covered by threaded sleeve 21. By giving sleeve 21 a half-turn the slot is exposed. Sleeve 21 is preferably made of some length, so as to stiffen the frame and compensate for the metal taken out in the slot. Slot 20 may be made at the bottom of the tubing, in which case no spring would be required, but the cartridges fall by gravity.

It will be obvious that the various compartments in my velocipede can be utilized very successfully for foraging, as their combined storage-space is very considerable.

Having described my invention, I claim—

1. In a velocipede for army use, the combination of the top tube of the frame acting both as a member of the frame and fashioned
5 as a gun-barrel.

2. In a velocipede for army use, the combination of a frame-tube, acting both as a member of the frame and as a cartridge-magazine, being provided with a cartridge-delivery
10 opening in the side; a sliding sleeve normally closing said opening; a spring to expel the cartridges and a stop at the top of the magazine.

3. In a velocipede for army use, the combination of a knapsack or baggage-carrier 15 opening at its side and swung beneath the top tube of the frame and a vertical pivot-rod secured to the frame and passing through said knapsack on which the latter may be turned at any desired angle. 40

In testimony whereof I have hereunto set my hand this 17th day of October, A. D. 1895.

ALMY LE GRAND PEIRCE.

Witnesses:

WM. L. PIERCE,
L. D. IAMS.