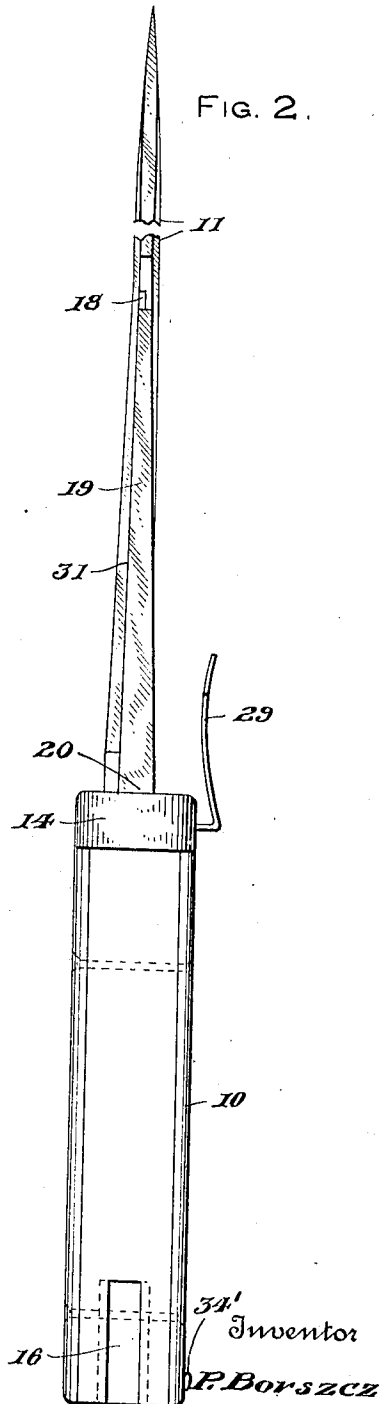


WIRE CUTTER.

Patented Mar. 25, 1919

1,298,166.

FIG. 2.



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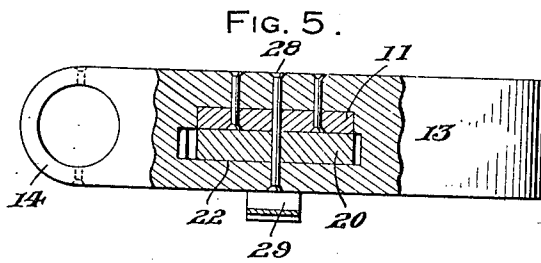
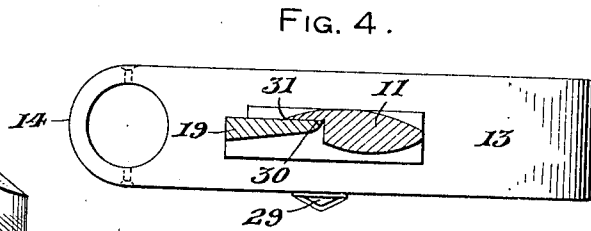
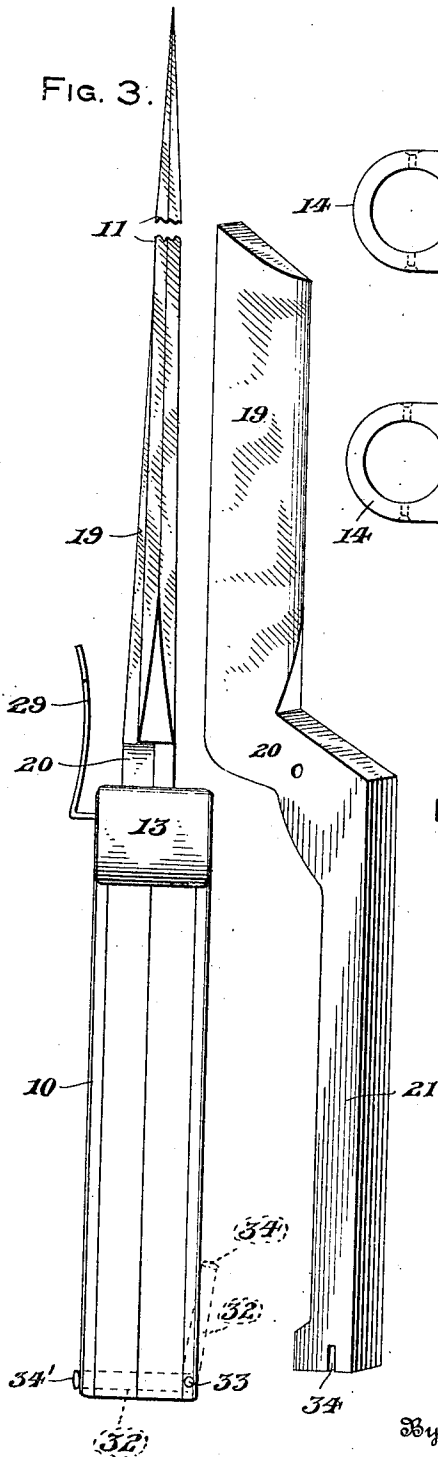
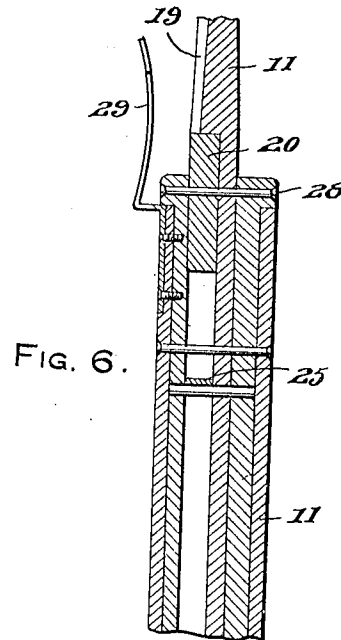


FIG. 7.



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WIRE-CUTTER.

1,298,166.

Specification of Letters Patent.

Patented Mar. 25, 1919.

Application filed October 21, 1918. Serial No. 259,007.

To all whom it may concern:

Be it known that I, PETER BORSZCZ, a subject of the Emperor of Austria, residing at West Pullman, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wire-Cutters, of which the following is a specification.

The primary object of the invention is the provision of a wire cutter for swords and bayonets adapted for easily and quickly severing wires whenever found desirable such as during the march, the wire cutter adding no material weight to the carrying structure and in no manner retarding the intended use of the weapon.

A further object of the invention is to provide a short-sword serviceable as a bayonet for detachably mounting upon a rifle barrel, a cutting means for wires being carried by the sword readily operated by the hand of the soldier when grasping the grip of the sword whether the latter is mounted upon the gun or detached therefrom.

A still further object of the invention is to provide a ready means carried by soldiers for easily and quickly cutting wires such as barbed wire entanglements, so that the progress of the soldier upon the line of march is greatly assisted by the removal of such barriers.

In the drawings forming a part of this application and in which like reference numerals designate corresponding parts throughout the several views, Figure 1 is a side elevation of the invention detached from a rifle partially broken away with the wire cutter open mounted upon a rifle barrel illustrated by dotted lines and with the wire cutter open.

Fig. 2 is an edge view thereof.

Fig. 3 is a view similar to Fig. 2 taken from the opposite edge of the sword.

Figs. 4 and 5 are transverse sectional views taken upon lines IV—IV and V—V of Fig. 1.

Fig. 6 is a central longitudinal sectional view taken upon lines VI—VI of Fig. 1 and

Fig. 7 is a perspective view of the wire cutting member detached.

The invention comprises what may be termed a short-sword provided with a grip 10 and a blade 11 projecting therefrom, the said grip being adapted for attachment to a rifle barrel such as 12 in any desired manner for employing the blade 11 after the usual

manner of a bayonet. A transverse guard 13 serviceable as a pommel is provided at the base of the blade 11 having a sleeve 14 at one end thereof for receiving the barrel 12 while a lug 15 upon said barrel is adapted to seat within a groove at the butt or free end of the grip 10, it being understood that a screw, not shown, may be threaded through a perforation 17 of the sleeve 14 for engaging the barrel 12 and securing the sword thereon.

The blade 11 is provided with a cutaway portion 18 at one side thereof adapted for the reception of a cutter 19 of substantially the same configuration as said cutaway portion. A shank 20 angularly projects from the inner end of the cutter 19 with a handle 21 at the other end of the shank in a plane parallel with the plane of the cutter.

The shank 20 is positioned through a transverse opening 22 within the pommel 13, the inner portion of the blade 11 being broken away as at 23 to accommodate the shank while a pocket 24 is provided in the grip 10 to receive the handle 21 when the cutter 19 is closed within the cutaway portion 18 of the blade 11.

A U-shaped leaf-spring 25 is provided in the pocket 24 having one end secured therein as at 26 while the opposite free end 27 of the spring bears against the inner face of the handle 21 for holding the handle outwardly of the pocket 24 with the cutter 19 open.

A pivot pin 28 is provided through the shank 20 and the opposite sides of the pommel 13, permitting the shank with its blade and handle to swing in opposite directions. A resilient clip 29 is carried by the grip 10 and projects forwardly over the pommel 13 and adjacent portion of the blade 11, which may be employed for different uses, such as suspending the sword from a belt.

The inner edge 30 of the cutter 19 is sharpened by beveling one side thereof which is adapted to cooperate with an oppositely beveled edge flange 31 of the cutaway portion 18 of the blade 11. By grasping the grip 10 of the sword, the end is readily pressed upon the handle 21 for closing the cutter 19, thereby severing a wire positioned between the cutting edges 30 and 31. Upon releasing the handle 21, the spring 25 automatically opens the cutter. A latch 32 is pivoted as at 33 to the butt end of the grip

10 adapted for reception within an end slot 34 of the handle 21 when the latter is closed within the pocket 24 and at which times a button 34' at the opposite end of the latch 5 32 fits over the opposite sides of the grip 10 retaining the latch within a slot 35 thereof and holding the handle 21 within the pocket until the latch is released. It will be seen that when the sword is mounted upon the 10 rifle barrel 12, the cutter 19 may be readily operated by its handle 21 and this also is possible when the sword is detached from the rifle. The cutter 19 and handle 21 being readily retained in their inoperative posi- 15 tions by the latch 32, the cutting attachment at such times does not detract from the usual use of the blade 11 either as a bayonet or sword.

What I claim as new is:—

20 1. A device of the class described comprising a grip, having a longitudinal pocket in one side thereof, a bayonet blade project- ing from said grip, a transverse pommel 25 upon said grip at the base of the blade, the blade, pommel and handle having a slot therethrough, and the blade having a cut- away side portion at the opposite side of the device from said pocket with a sharpened 30 flange adjacent the inner side of the cutaway portion, a shank pivoted through said slot, a cutter upon one end of said shank, adapted for closing upon said cutting edge within the cutaway portion of the blade, an operat- ing handle for the cutter upon the opposite

end of the shank in the same plane with the 35 cutter and adapted for closing within said pocket when the cutter is closed.

2. A device of the class described com- prising a grip, having a longitudinal pocket in one side thereof, a bayonet blade project- 40 ing from said grip, a transverse pommel upon said grip at the base of the blade, the blade, pommel and handle having a slot therethrough, and the blade having a cut- away side portion at the opposite side of the 45 device from said pocket with a sharpened flange adjacent the inner side of the cutaway portion, a shank pivoted through said slot, a cutter upon one end of said shank, adapted for closing upon said cutting edge within the 50 cutaway portion of the blade, an operating handle for the cutter upon the opposite end of the shank in the same plane with the cutter and adapted for closing within said pocket when the cutter is closed, an automatic open- 55 ing spring for the cutter secured at one end within the pocket and having its other end bearing against the inner side of said han- dle, a retaining latch for the cutter pivotally mounted upon the butt end of the grip 60 adapted for detachable connection with the free end of said handle, and a resilient clip carried by the inner end of the grip project- ing over said pommel and the adjacent end of the blade. 65

In testimony whereof I affix my signature.

PETER BORSZCZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."