

M. MONDRAGON.
COMBINED WEAPON AND TOOL.
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1,003,119.

Patented Sept. 12, 1911.

Fig.1

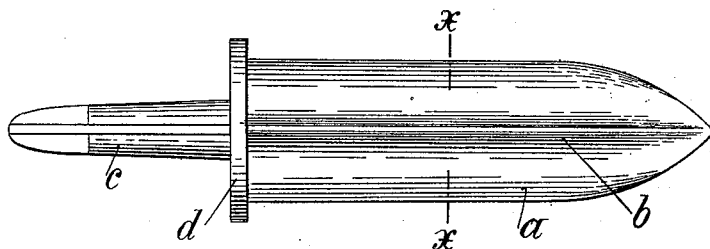
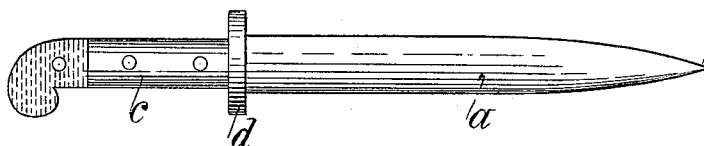


Fig.3.



Fig.2.



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UNITED STATES PATENT OFFICE.

MANUEL MONDRAGON, OF TACUBAYA, MEXICO.

COMBINED WEAPON AND TOOL.

1,003,119.

Specification of Letters Patent.

Patented Sept. 12, 1911.

Application filed June 5, 1911. Serial No. 631,283.

To all whom it may concern:

Be it known that I, MANUEL MONDRAGON, a citizen of the United States of Mexico, residing at Tacubaya, Mexico, have invented new and useful Improvements in a Combined Weapon and Tool, and of which the following is a specification.

This invention relates to a weapon which may be used as a sword or bayonet and also as a portable digging tool owing to the particular form of its blade.

The combined tool and weapon according to the invention can be fitted to the barrel of a rifle and may be employed at the same time for the digging of trenches or for any other field works for which the tool may be adapted.

The invention consists in a combined tool and weapon having a metal blade with cutting edges terminating in the front at a point, the said blade having a central longitudinal rib on each side of which are two symmetric channels of curved cross section the convex sides of which are on the side of the blade opposite from the longitudinal central rib.

The combined tool and weapon will be readily understood by referring to the accompanying drawings in which:

Figure 1 is a plan, Fig. 2 an elevation, and Fig. 3 a transverse section on the line $x-x$ of Fig. 1 showing the cross section of the blade.

The blade a is of metal preferably steel and becomes gradually thin toward the edges so as to form cutting edges. The blade is rounded off toward the front so as to terminate in a point. A rib b is formed along the longitudinal axis of the blade, the convexity of which rib is toward the upper face of the blade. On each side of the central rib the blade is curved inward to form two parallel channels the outer edges of

which are suitably turned upward as shown in Fig. 3 the outer edges of the blade profile projecting slightly higher than the rib. This blade which forms an efficient weapon owing to its point and cutting edges, may easily be inserted into a sheath and at the same time it is a very useful tool particularly for forming trenches, earthworks etc., and this without appreciable increase in weight owing to the particular ribbed formation of the blade. The blade may be mounted in any suitable manner on a handle c provided with a guard of any desired type d and the handle may be adapted to fit on the barrel of a gun or carbine in the usual manner. Each edge of the blade a may be given a temper suitable for a specific purpose which may if desired be marked on the blade; for example, the inscriptions "Iron" and "Wood" on the edges might indicate that one of the said edges is more suitable for cutting metal wires or the like and the other edge for cutting wood.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

A combined tool and weapon having a metal blade with cutting edges terminating in the front at a point the said blade having a central longitudinal rib on each side of which are two symmetric channels of curved cross section the convex sides of which are on the side of the blade opposite from the central longitudinal rib.

The foregoing specification signed at City of Mexico, Mexico, this nineteenth day of May, 1911.

MANUEL MONDRAGON.

In presence of two witnesses:

N. ARCOS,

EUGENIO PAREDES, E.