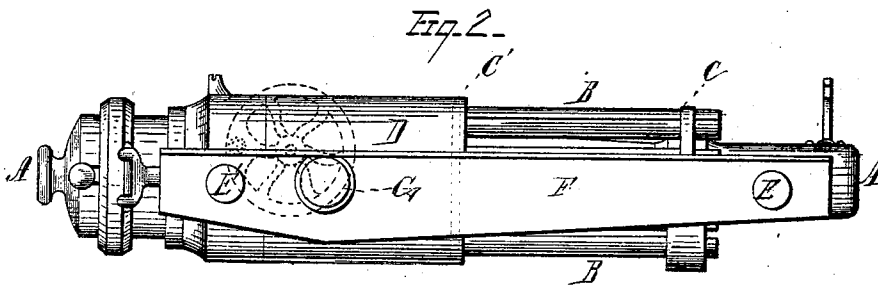
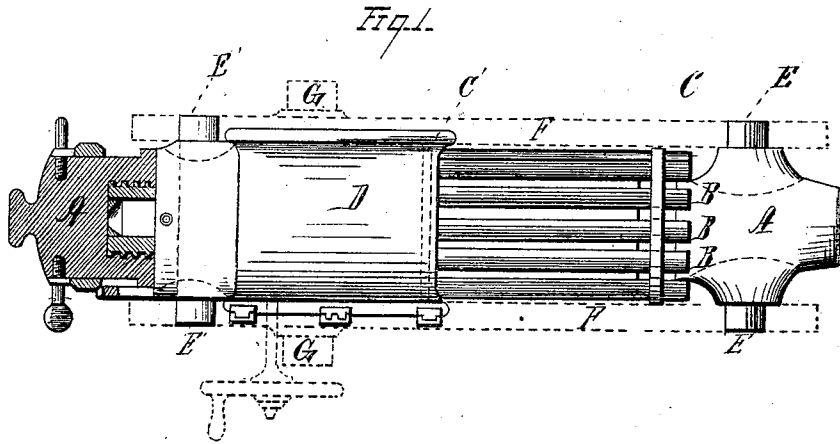


A. E. MILTIMORE.
Battery Guns.

No. 145,224.

Patented Dec. 2, 1873.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ALONZO E. MILTIMORE, OF UNITED STATES ARMY.

IMPROVEMENT IN BATTERY-GUNS.

Specification forming part of Letters Patent No. **145,224**, dated December 2, 1873; application filed November 25, 1873.

To all whom it may concern:

Be it known that I, Lieut. ALONZO E. MILTIMORE, of First United States Artillery, have invented certain new and useful Improvements in Guns; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain new and useful improvements in guns for use in times of war; and consists in the combination of devices and appliances hereinafter specified and claimed, wherein, in the drawings—

Figure 1 is a view in plan of my invention, and Fig. 2 a view in side elevation.

A is an inner centrally-located gun, of larger caliber than the other barrels, B, and may be either a breech or muzzle loader, or both. B are exterior smaller barrels, arranged concentrically around the larger barrel A. The barrels B are supported by collars C C', embracing their ends, and receiving their support from the gun A, upon which the collars C C' are constructed to revolve. D is a case, containing the fire-lock of the outer barrels B, and also inclosing suitable mechanism for feeding the barrels B, revolving them past the fire-lock, and discharging the cartridge-shells therefrom after firing, which mechanism, inclosed in the case D, will form the subject-matter of another application.

As will be seen, the whole gun mechanism is supported by the centrally-located gun A. This gun is provided with four trunnion-shaped supports, E and E', situated at the muzzle and

breech, respectively, that fit into seats formed within or upon cheek-plates F. These cheek-plates F, in turn, are provided with a set of trunnions, G, for mounting the whole structure upon the cheek-plates of a gun-carriage.

The advantages of this invention are, briefly, as follows: It combines a long-range gun, A, with the revolving short-range barrels B, thus combining with a gun possessing all the advantages of the Gatling the additional advantages of a long-range, large-caliber gun, from which may be fired shot, shell, grape or shrapnel, canister, &c., under circumstances where the ordinary Gatling would be powerless.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a single central barrel, A, of a series of complete barrels, B, of smaller caliber, constructed and adapted to revolve around the central barrel A, substantially as described.

2. The combination described, of a central barrel or gun and a frame or cradle for supporting the gun at or near its extremities, so that a series of independent barrels may be arranged around said central gun, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of November, 1873.

A. E. MILTIMORE,
First Lieut. First Artillery.

Witnesses:

WELLS W. LEGGETT,
J. TYLER POWELL.