

DeW. C. FARRINGTON.

Metallic Cartridges.

Patented Dec. 31, 1872.

No. 134,368.

Fig 1.

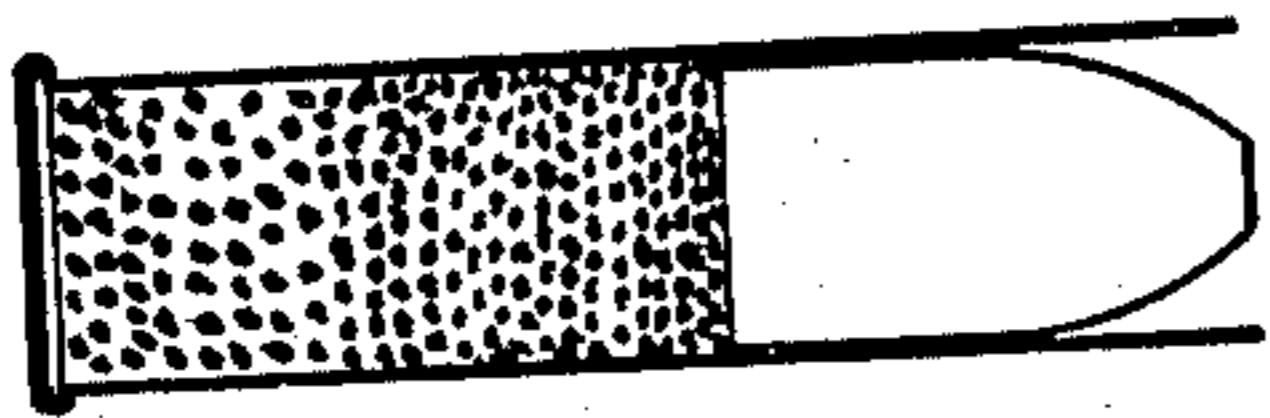
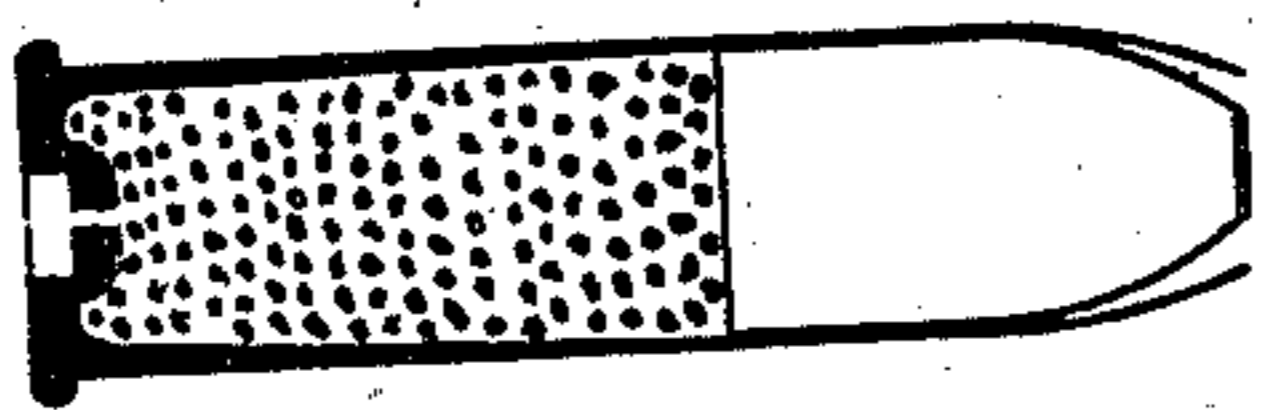


Fig 2.



Witnesses.

Walter H. Daniels  
Willis Farrington

Inventor.

De Witt Clinton Farrington

# UNITED STATES PATENT OFFICE.

DE WITT C. FARRINGTON, OF LOWELL, MASSACHUSETTS.

## IMPROVEMENT IN METALLIC CARTRIDGES.

Specification forming part of Letters Patent No. 134,368, dated December 31, 1872.

*To all whom it may concern:*

Be it known that I, DE WITT C. FARRINGTON, of Lowell, in the county of Middlesex and Commonwealth of Massachusetts, have invented an Improvement in the Lubrication of the Bullet or Projectile of a Cartridge for Breech-Loading Fire-Arms and Ordnance, of which the following is a specification:

My invention relates to more effectually lubricating the barrel than by the means heretofore used, and the protection of both lubricant and cartridge from water and climatic influences, and is described as follows, viz:

The bullet is inserted into the shell of the cartridge over the powder, as shown in Figure 1, the bullet being even with the open end of the shell, or so far withdrawn or protruded therefrom as to retain between the shell and itself a sufficient quantity of the lubricant and material for water-proofing the cartridge and

lubricant. The shell is then crimped or closed over the front or tapering portion of the bullet, as shown in Fig. 2, and the cavity *a* filled with lubricant, and the whole protected with shellac or other material proper for the purpose of protecting it from water or climatic influences.

I claim as my invention—

A cartridge in which the lubricant is placed around the front tapering end of the bullet, and retained in its place by having a portion of the shell turned or closed over the same, or formed so as to retain the lubricant or any water-proofing material I may use in combination with the same, either or both.

DE WITT CLINTON FARRINGTON.

Witnesses:

WALTER H. MCDANIELS,  
WILLIS FARRINGTON.