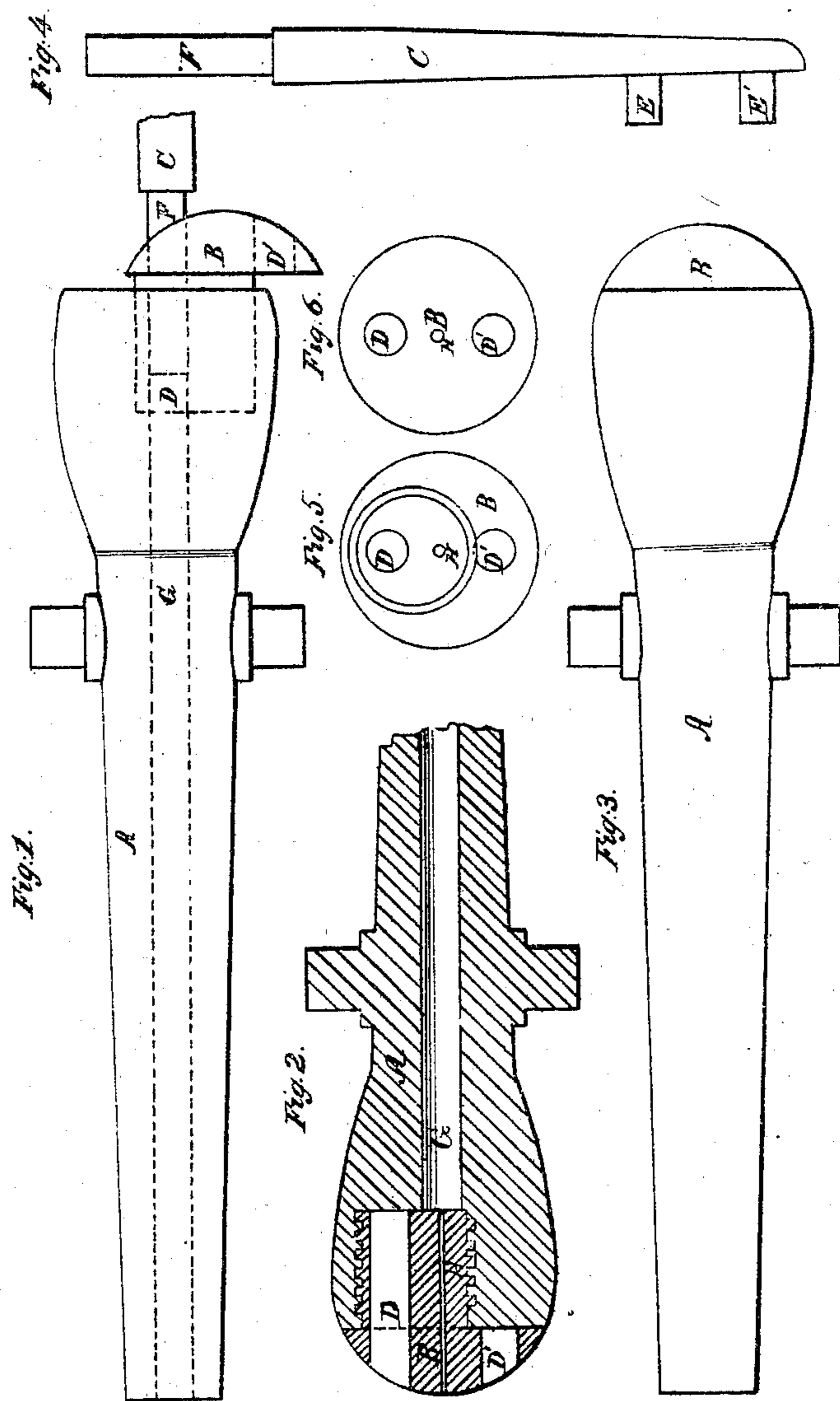


G. P. GANSTER.  
Breech-Loading Ordnance.

No. 36,401.

Patented Sept. 9, 1862.



Witnesses  
Andrew Todd  
Chas Morrell.

Inventor  
George P. Ganster.

# UNITED STATES PATENT OFFICE.

GEORGE P. GANSTER, OF NEW YORK, N. Y.

## IMPROVEMENT IN BREECH-LOADING ORDNANCE.

Specification forming part of Letters Patent No. **36,401**, dated September 9, 1862.

*To all whom it may concern:*

Be it known that I, GEORGE P. GANSTER, of the city, county, and State of New York, have invented a new and Improved Breech-Loading Cannon; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification and the letters of reference marked thereon, in which the same letter represents the same thing in each figure.

Figure 1 represents the cannon with the eccentric breech-pin in position to receive the charge. Fig. 2 is a longitudinal cut section, showing the relation of the eccentric breech-pin to the bore of the gun. Fig. 3 represents the cannon with the eccentric breech-pin in place. Fig. 4 is the combined wrench and ramrod. Fig. 5 represents the inner end of the eccentric breech-pin. Fig. 6 represents the outer end of the eccentric breech-pin.

A is the shell of the cannon; B, the eccentric breech-pin; C, the combination wrench and ramrod, E and E' being the prongs of the wrench, and F the ramrod. D is the aperture in the eccentric breech-pin through which the charge is inserted. D' is a second aperture in the eccentric breech-pin used with D to turn the breech-pin. G is the bore of the cannon; H, the aperture through which a magnet-wire is inserted to discharge it.

The operation of the cannon is as follows: Insert the prongs E and E' of the combined wrench and ramrod C in the apertures D and D' of the eccentric breech-pin B, and give it a half-turn, which will bring aperture D in line with the bore G of the cannon, remove the wrench, insert the charge in aperture D, driving it home in the chamber of the cannon by ramrod F of combined wrench and ramrod C until the shoulder of ramrod F strikes breech-pin B, remove the ramrod, apply the wrench as before to apertures D and D', and turn the breech-pin back to its place. The cannon may then be discharged by a magnet-wire through aperture H in the breech-pin. The eccentric breech-pin B is not inserted in the center of the breech of the cannon, but on one side of the center, so that when half turned aperture D is brought in line with bore G, and when turned back it closes the barrel. The screw on which it turns back and forth holds it in position.

What I claim, and desire to secure by Letters Patent, is—

The eccentric breech-pin B, constructed and operating substantially as described.

GEORGE P. GANSTER.

Witnesses:

ANDREW I. TODD,  
CHAS. MORRILL.