

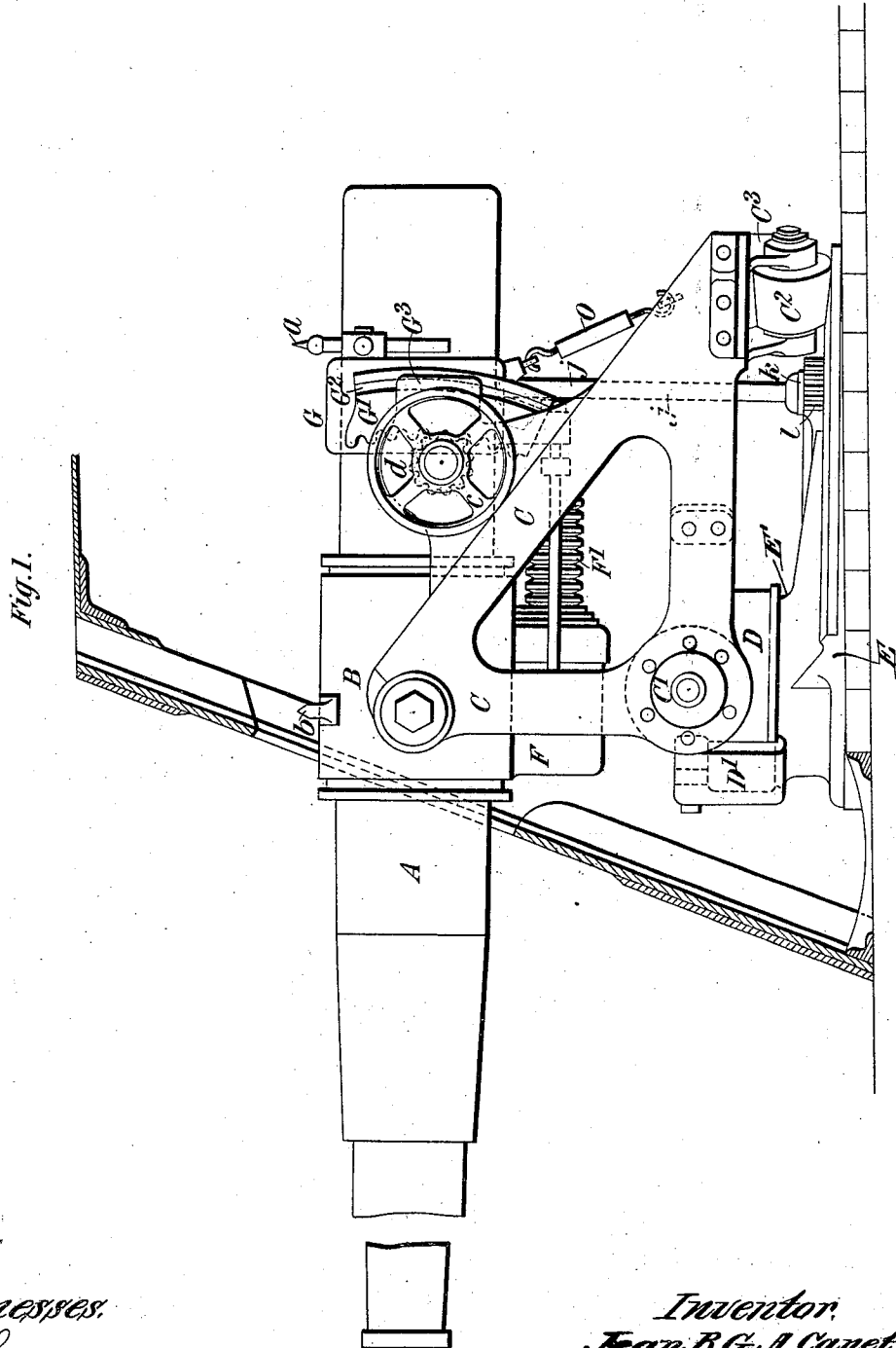
(No Model.)

3 Sheets—Sheet 1.

J. B. G. A. CANET.
GUN MOUNTING.

No. 513,706.

Patented Jan. 30, 1894.



Witnesses:

W. Rea.

Robert Emmett

Inventor:

Jean B. G. A. Canet.

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James L. Norris.

Atty.

(No Model.)

3 Sheets—Sheet 2.

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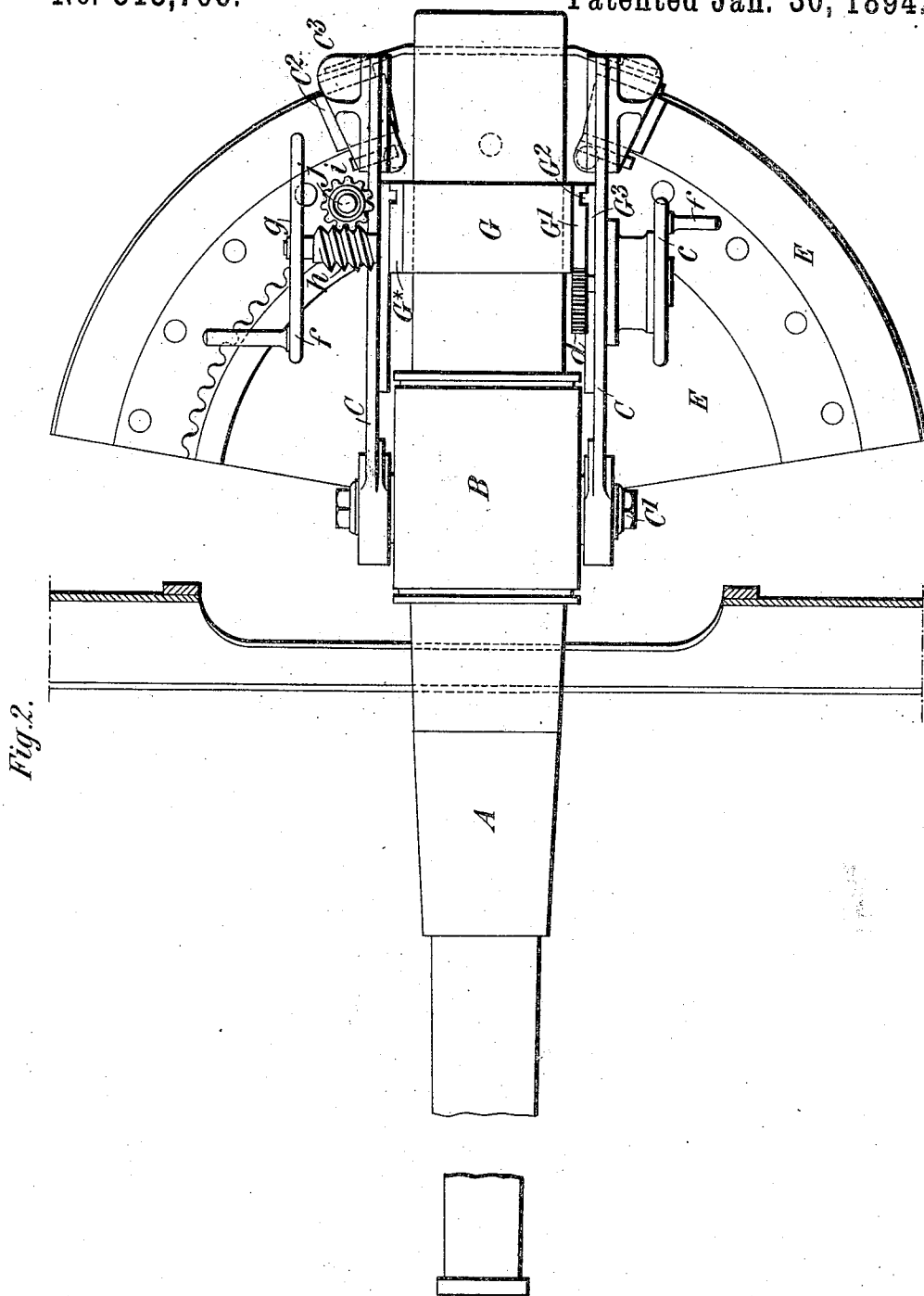


Fig. 2.

Witnesses.

S. M. R. a.

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James L. Norris.

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(No Model.)

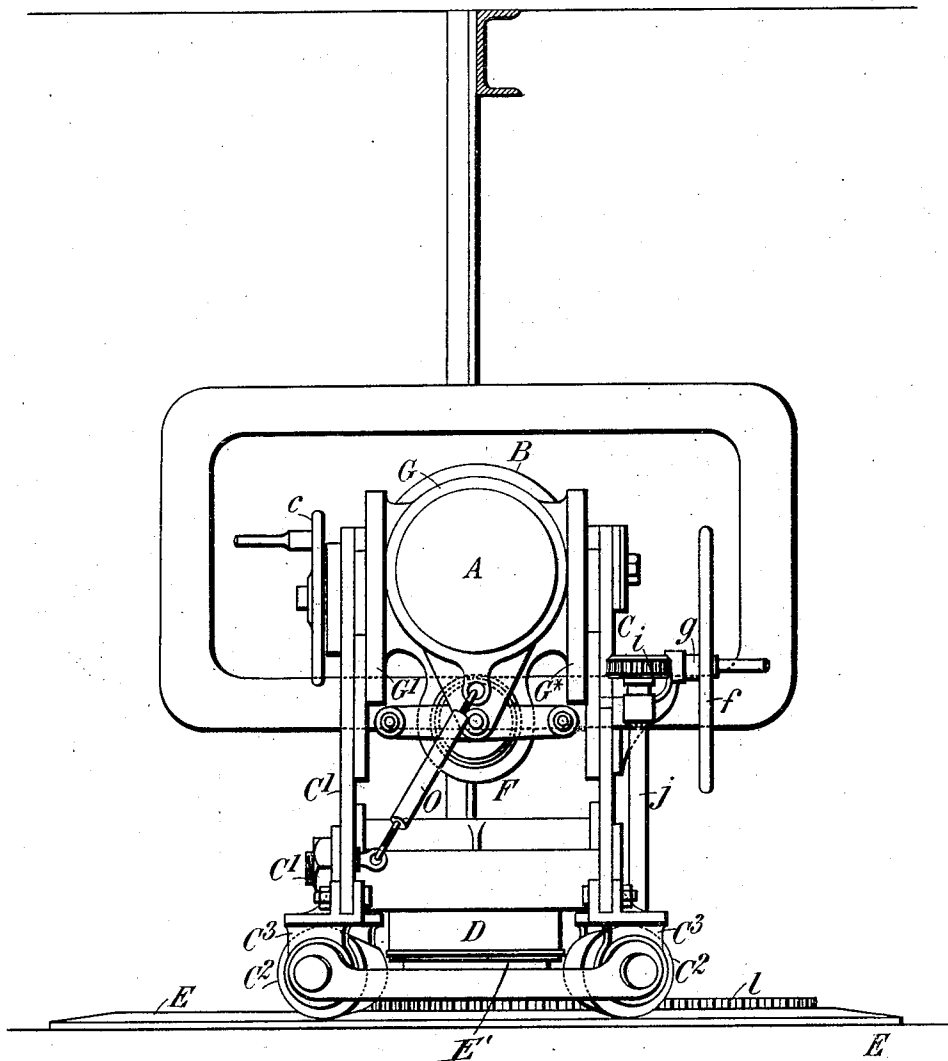
3 Sheets—Sheet 3

J. B. G. A. CANET.
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Patented Jan. 30, 1894.

Fig. 3.



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M. R. A.

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UNITED STATES PATENT OFFICE.

JEAN BAPTISTE GUSTAVE ADOLPHE CANET, OF PARIS, FRANCE, ASSIGNOR
OF ONE-HALF TO THE SIR JOSEPH WHITWORTH & COMPANY, LIMITED,
OF OPENSHAW, ENGLAND.

GUN-MOUNTING.

SPECIFICATION forming part of Letters Patent No. 513,706, dated January 30, 1894.

Application filed December 17, 1892. Serial No. 455,542. (No model.) Patented in France February 26, 1890, No. 204,021, and
in England March 26, 1890, No. 4,717.

To all whom it may concern:

Be it known that I, JEAN BAPTISTE GUSTAVE ADOLPHE CANET, engineer, a citizen of the Republic of France, and a resident of Paris, France, have invented certain new and useful Improvements in Gun-Mountings, (for which I have obtained patents in the following countries, viz: Great Britain, No. 4,717, dated March 26, 1890, and France, No. 204,021, dated February 26, 1890,) of which invention the following is a specification, reference being had to the accompanying drawings.

This invention relates to gun mountings and has for its object to provide a mounting which is particularly applicable for quick-firing guns in ships' batteries. The said mounting is pivoted at its forward end to the bed plate, by reason of which construction the gun port-holes may be made of small size. The mounting affords the further advantages that less obstruction is caused in the ship, and the gun can be completely housed within the vessel, and made fast to the sides thereof or in any other convenient position.

Although my improved mounting is particularly applicable for ships' batteries as above stated, it may also be used in casements or in any fortifications on land.

In the accompanying drawings:—Figure 1 is a side elevation of a gun mounting constructed according to my invention. Fig. 2 is a plan, and Fig. 3 is a rear end elevation of the same.

A is the gun.

B is the hydraulic brake cylinder or jacket through which the gun can slide, and which is trunnioned in bearings formed in a carriage or frame consisting of two side cheeks C, C which are well secured together by suitable cross stays and bolts.

C' is a strong bolt which connects the cheeks at their forward ends with a pivot piece D that is supported on a vertical pivot E' on the bed plate E through the medium of spherical or conical rollers.

D' is a clamp or claw secured to the pivot piece D and engaging a collar or shoulder on the bed plate to prevent the pivot piece lifting.

The carriage is supported at its rear end by rollers C² C² which are mounted in brackets C³ C³ secured to the cheeks C.

F is a recuperator cylinder.

F' is a spring recuperator.

G is a collar through which the gun can slide.

G' is a toothed sector, formed on or secured to the collar G on the left side of the gun, through which the vertical pointing of the gun is effected.

G* Figs. 2 and 3 is a plain sector formed on or secured to the collar G on the right side of the gun. G², G², are curved slots formed in the said sectors and struck from the same center as the trunnions of the gun.

Fixed to or formed on each side cheek C is a projection G³ which is adapted to engage with or work in the corresponding slot G² and thereby prevent any lateral movement of the collar when the gun recoils.

a is the rear sight which is carried by the collar G.

b is the forward sight which is fixed on the jacket B.

For turning the gun about its trunnions, I provide a hand wheel c which drives preferably through differential gearing a toothed pinion d that gears with the curved toothed sector G' fixed to the collar G.

The lateral training is effected either by a lever or by means of a hand wheel f which is secured on a short shaft g on which is keyed a worm or endless screw h.

i is a worm wheel gearing with the worm h and keyed on a vertical shaft j which is supported in bearings fixed to the carriage.

On the lower end of the shaft j is keyed a pinion k that is in gear with a circular rack l fixed to the bed plate E.

The gun is so arranged as to be when run out in equilibrium about the axis of the pivot piece D, so that it can be trained by means of a lever when desired. When using a lever for training the gun, the pinion k is thrown out of gear with the rack l.

What I claim is—

1. The combination of a bed plate E having a vertical pivot, a pivot piece D turning on

said pivot, a carriage C resting on the bed plate and secured to the piece D by a removable bolt C', and a gun and cradle mounted in said carriage, substantially as described, 5 for the purpose specified.

2. In a gun mounting, the combination with the gun and its cradle, of a carriage C consisting of two cheeks, a pivot piece D secured to the carriage by a removable bolt C', and a 10 vertical fixed pivot about which the piece D turns so situated that the gun and mounting are approximately balanced horizontally with respect thereto, substantially as described for the purpose specified.

15 3. The combination of a gun carriage, a bed

plate having a vertical pivot, a piece D rotating on said pivot, and a pin C' which connects the forward end of the carriage to said piece D, and which can be removed to allow of the unshipment of the gun and carriage, and then 20 utilized to secure the carriage to the side of a vessel, or battery, casement or parapet, substantially as described.

In testimony whereof I have hereunto signed my name in the presence of two sub- 25 scribing witnesses.

JEAN BAPTISTE GUSTAVE ADOLPHE CANET.

Witnesses:

ROBT. M. HOOPER,

CH. T. THIRION.