

(No Model.)

2 Sheets—Sheet 1.

R. HAACK.

CARRIAGE FOR MACHINE GUNS.

No. 319,241.

Patented June 2, 1885.

Fig. 1.

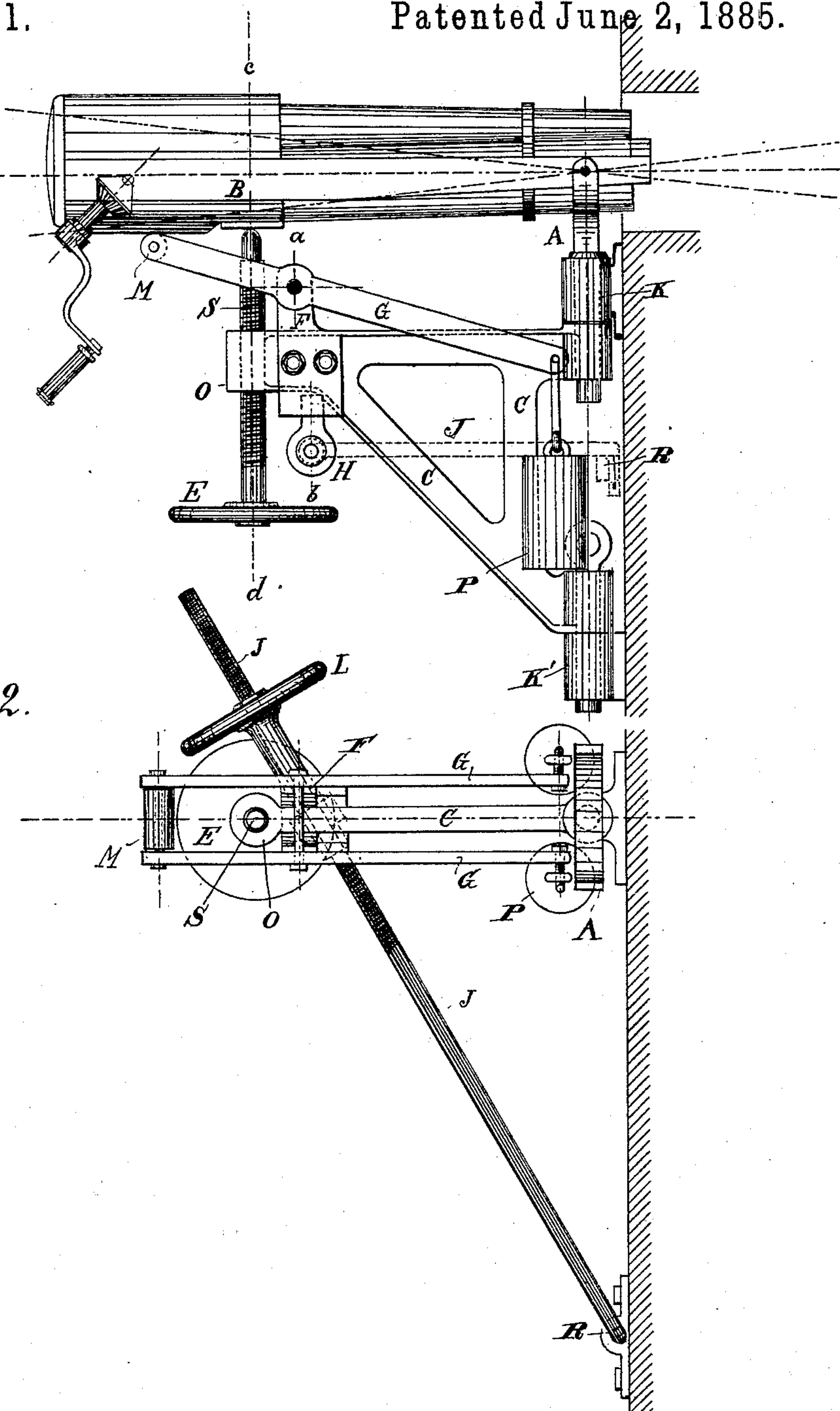


Fig. 2.

Witnesses  
William Miller  
A. Faber du Faur Jr.

Inventor  
Rudolph Haack  
by Van Santvoord & Hauff  
his attys

(No Model.)

2 Sheets—Sheet 2.

R. HAACK.

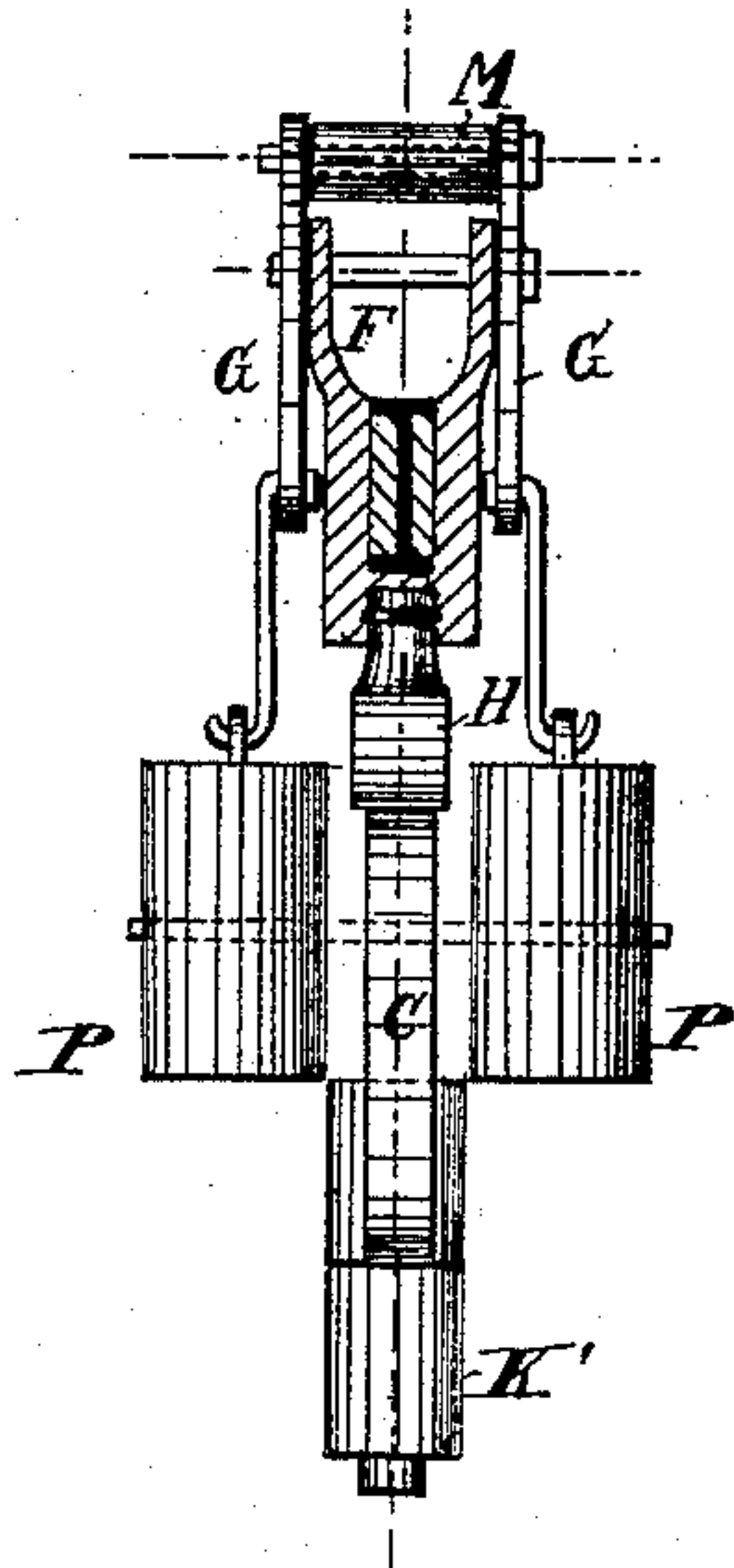
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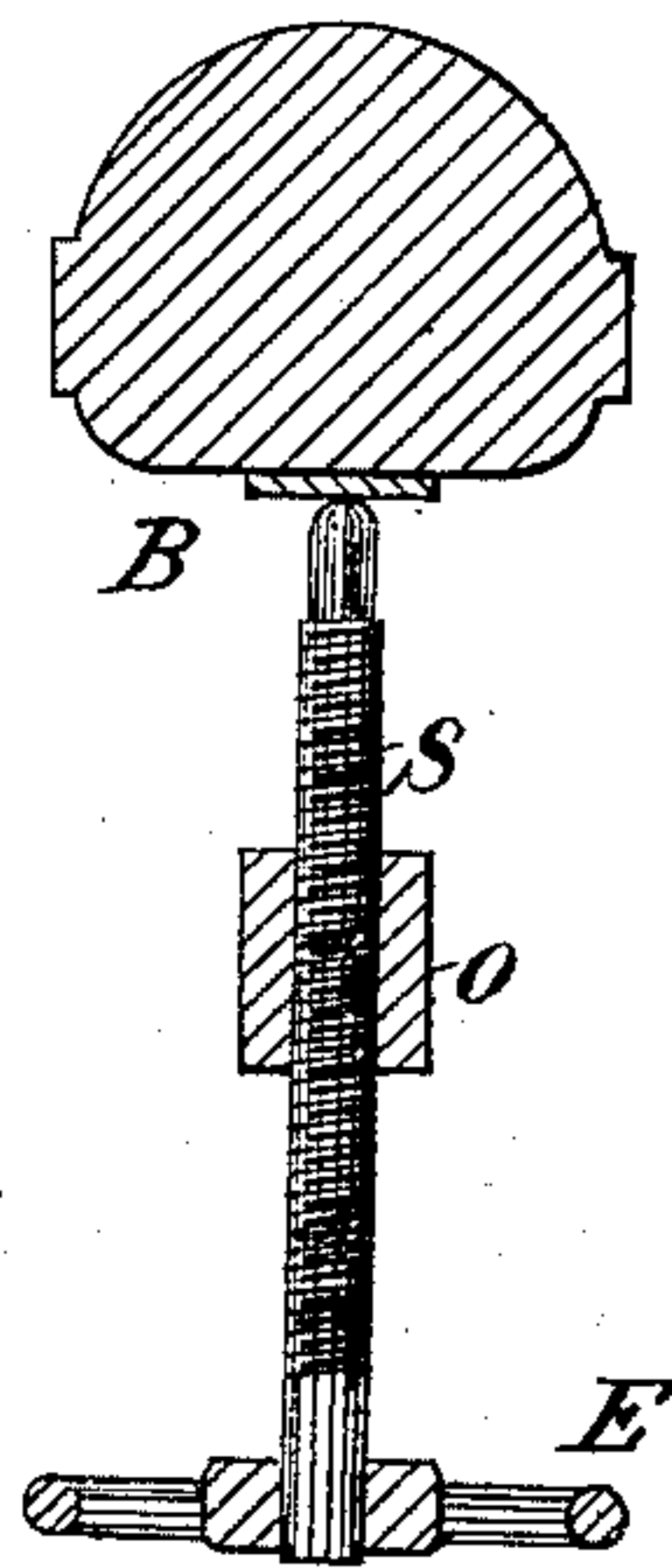
*Fig. 3.*

*Section a-b*



*Fig. 4.*

*Section c-d*



*Witnesses*  
*William Miller*  
*Alfred duFaur*

*Inventor*  
*Rudolph Haack*  
*by Van Santvoord & Hauff*  
*his attys*



# UNITED STATES PATENT OFFICE.

RUDOLPH HAACK, OF STETTIN, PRUSSIA, GERMANY.

## CARRIAGE FOR MACHINE-GUNS.

SPECIFICATION forming part of Letters Patent No. 319,241, dated June 2, 1885.

Application filed March 6, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, RUDOLPH HAACK, a subject of the King of Prussia, residing at Stettin, in the Kingdom of Prussia, have invented new and useful Improvements in the Construction of Carriages for Hotchkiss Guns, of which the following is a specification.

This invention relates to an improvement in the construction of carriages or supports for guns behind walls, parapets, or screens, which will be readily understood on reference to the accompanying drawings, in which—

Figure 1 shows a side view of the gun carriage or support. Fig. 2 is a plan with the gun removed, and Figs. 3 and 4 are vertical sections taken, respectively, on lines *a b* and *c d*, Fig. 1.

Similar letters indicate corresponding parts.

The gun is supported at its muzzle by a fork, A, which at the same time prevents recoil, and it is also supported at B, near the breech, by a screw, S. The fork A has a stem, which, passing through an eye, K, fixed to the wall, acts as linchpin to the upper swiveling joint of the supporting frame or bracket C, the lower swivel of which is also supported by an eye, K', fixed in the wall, so that the frame or carriage C is free to turn laterally to the right and to the left. The screw S screws through a threaded-socket, O, on the frame, and is rotated by a hand-wheel, E, for elevating and lowering the breech of the gun.

To the socket O is connected a fork, F, carrying the axis of two levers, G, the rear ends of which carry a roller, M, that bears against the under side of the gun, while the front ends are loaded with counter-weights P, so that by relieving the screw E of a great part of the weight of the gun they facilitate the vertical adjustment of the latter.

The lower end of the fork F carries a swiveling eye, in which is arranged a rotating screw-nut, H, worked by a hand-wheel, L, and through the nut passes the screw end of a rod, J, the other end of which is pivoted to a loop, R, fixed to the wall, so that by turning the nut H in one direction or the other the frame or carriage C will be moved to the right or to the left, for the lateral adjustment of the gun.

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

1. The combination of the upper and lower eyes, K K', and their supports with the muzzle-supporting fork A, having a depending stem projecting through the upper eye, and the carriage C, pivoted at its top portion upon the projecting end of the stem of the fork, and at its bottom portion pivotally connected with the lower eye, substantially as described.

2. The combination of the upper and lower eyes, K K', and their supports with the muzzle and supporting-fork A, having a depending stem projecting through the upper eye, the gun-carriage C, pivoted at its top portion upon the stem of the fork, and at its bottom portion pivotally connected with the lower eye, the rotating and swiveling nut H at the rear portion of the carriage, the loop R, secured at one side of the pivotal points of the carriage and independent of the latter, and the rod J, connected with the loop, and having a screw-threaded end engaging the nut, substantially as described.

3. The combination of the upper and lower eyes, K K', the carriage C, pivoted to said eyes to swing in a horizontal plane, a support carried by the upper eye for sustaining the muzzle of the gun, the levers G, pivotally supported above the carriage, and counterbalance-weights P, suspended from the forward ends of the levers for throwing their rearward ends against the breech of the gun, substantially as described.

4. The combination of a carriage, C, pivoted to swing in a horizontal plane, a rotating and swiveling nut, H, at the rear portion of the carriage, a loop, R, at one side of the pivotal point of the carriage and independent of the latter, and a rod, J, connected to the loop and having a screw-threaded end engaging the nut, substantially as described.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

RUDOLPH HAACK.

Witnesses:

CONRAD KNAPPE,  
HERMAN HAUPT.