July 29, 1930. K. STRATOMEYER 1,771,663

GUN MOUNT

Filed April 23, 1929

Fig. 1.

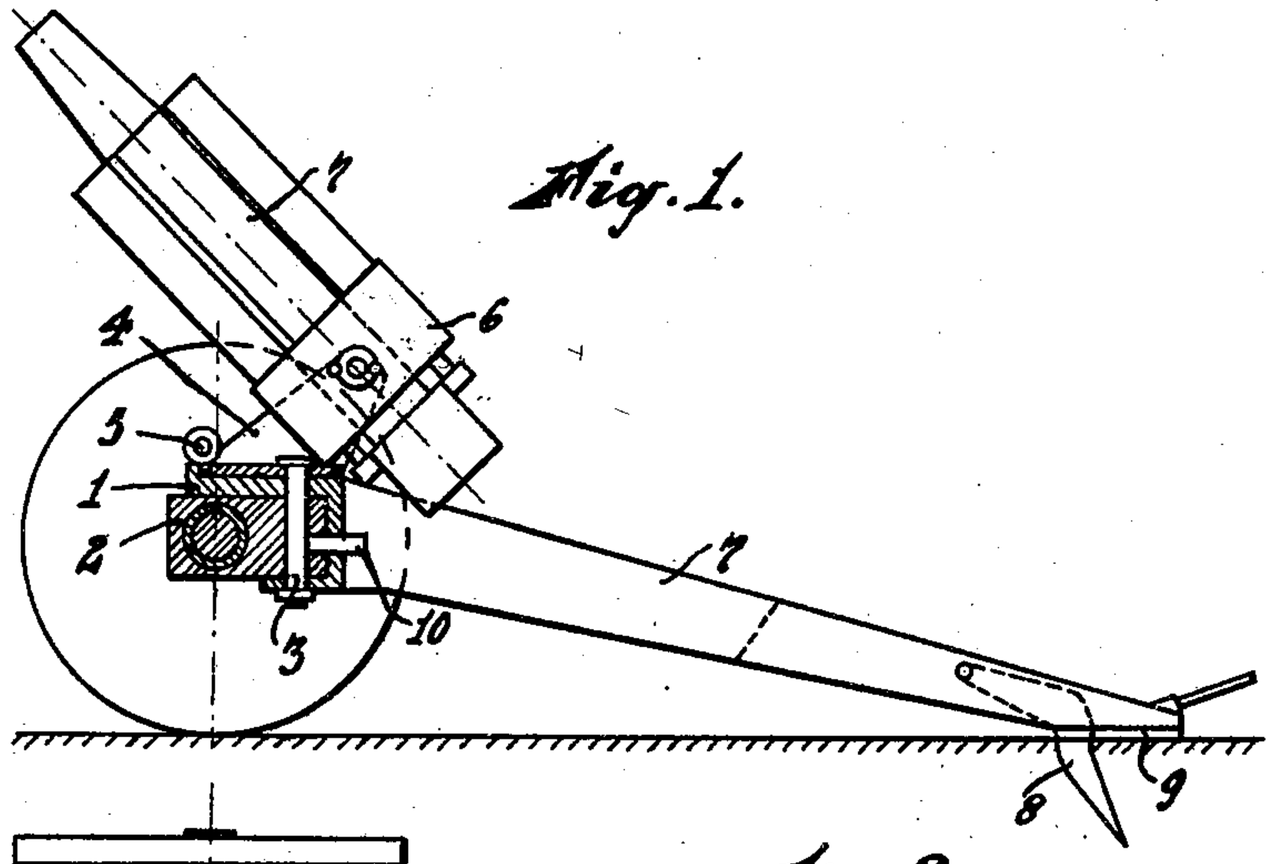


Fig. 2.

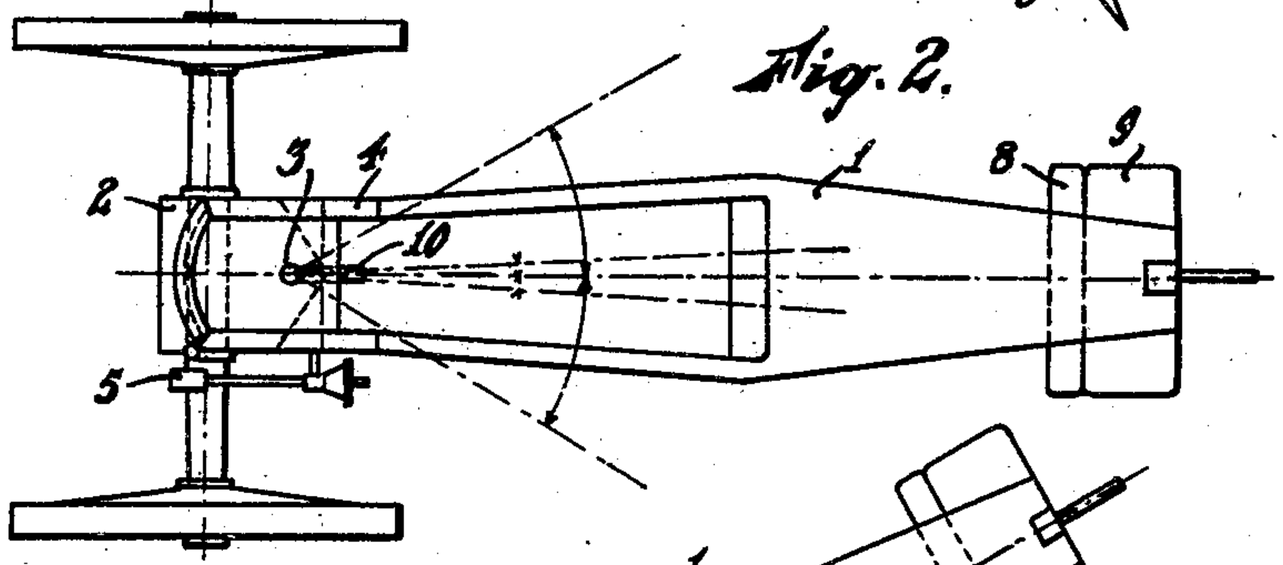
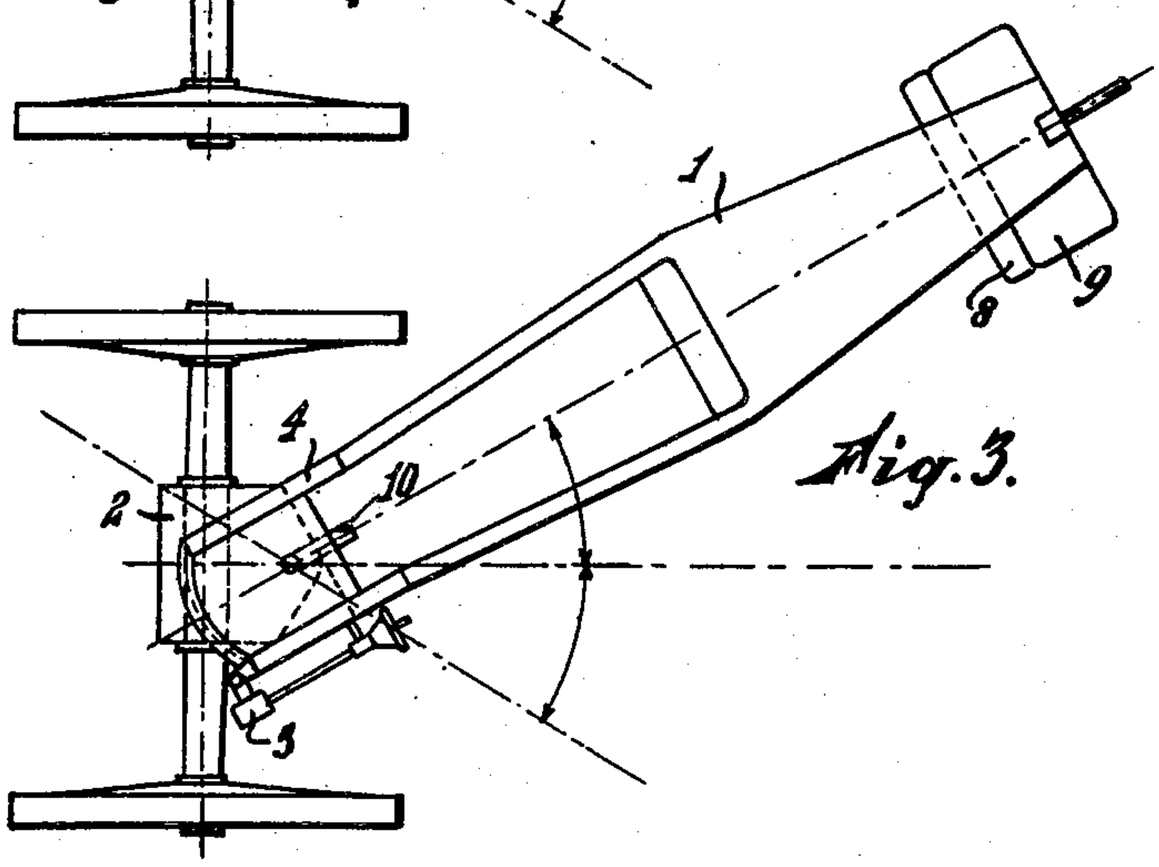


Fig. 3.



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UNITED STATES PATENT OFFICE

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GUN MOUNT

Application filed April 23, 1929, Serial No. 357,504, and in Germany October 1, 1927.

For modern wheeled gun carriages in general a large range of direction is required. This requirement has been fulfilled heretofore by the so-called spread carriage, i. e., a carriage with divided trail, or by the use of a platform on which the carriage may be rotated. The disadvantages of these constructions are known. The desirability of a simple wheeled gun carriage which enables a large range of direction to be obtained without the use of a platform or without division of the trail, has often been stated, particularly by military authorities.

The present invention attains this object; its essential feature being the fact that the gun carriage comprises a front carriage and a back carriage, and that the back carriage with its trail end, together with the upper carriage, cradle and gun, may be rotated around an axis which in general is vertical, the front part of the carriage with its shaft or axis and the wheels remaining at rest. The lateral displacement now comprises a coarse adjustment effected by rotating the trail and a fine adjustment effected by engaging the direction gear which is arranged between the back carriage and the upper carriage. The gun is put on, taken off and carried into the central position of the trail of the carriage.

The invention is illustrated in the accompanying drawing in which

Fig. 1 shows a side view of the piece of ordnance, and

Fig. 2 a plan of the piece of ordnance, the gun and the cradle being removed and the trail being in central position.

Fig. 3 shows a plan of the piece of ordnance, the trail being in its extreme position to the right.

In the drawing, 1 is the back part of the gun carriage which, at its front, merges into a forked end that straddles the front part 2 and is arranged to rotate around the vertical shaft 3. On the upper half of the fork the upper carriage 4 is arranged and is connected by means of the upper fork half with the direction gear 5, so as to be rotatable through some degrees. In the trunnion bearings of the upper carriage the cradle 6 with the gun 7 are mounted as stated above. A spade 8 and a trail plate 9 are arranged in a known way at the trail end. The front and back parts of the gun carriage may be coupled together for transport by a suitable locking device 10.

I claim:—

1. A gun mount, comprising a rear carriage having a forwardly-extending horizontal fork at its front end; a front carriage straddled by said fork; a wheel-carrying axle journaled horizontally in the front carriage; a vertical shaft extending through the fork and the front carriage and around which said fork is designed to rotate relatively to said front carriage and said axle and its wheels; an upper carriage mounted on the upper member of the fork and provided with trunnion bearings; a gun cradle journaled in said bearings; a gun mounted in said cradle; and a direction gear connecting the upper carriage with the said upper fork member to swing the rear carriage and the parts mounted thereon about said shaft and relatively to the front carriage, axle and wheels which remain stationary during such swinging movement.

2. A gun mount according to claim 1, in which a locking device is provided for coupling the forked part of the rear carriage directly to the front carriage for transport.

In testimony whereof I affix my signature.

KARL STRATOMEYER.