E. SCHNEIDER.

GUN SUPPORTING PLATFORM.

APPLICATION FILED AUG. 8, 1918.

1,310,144.

Patented July 15, 1919.

2 SHEETS—SHEET 1.

Fig. 1.

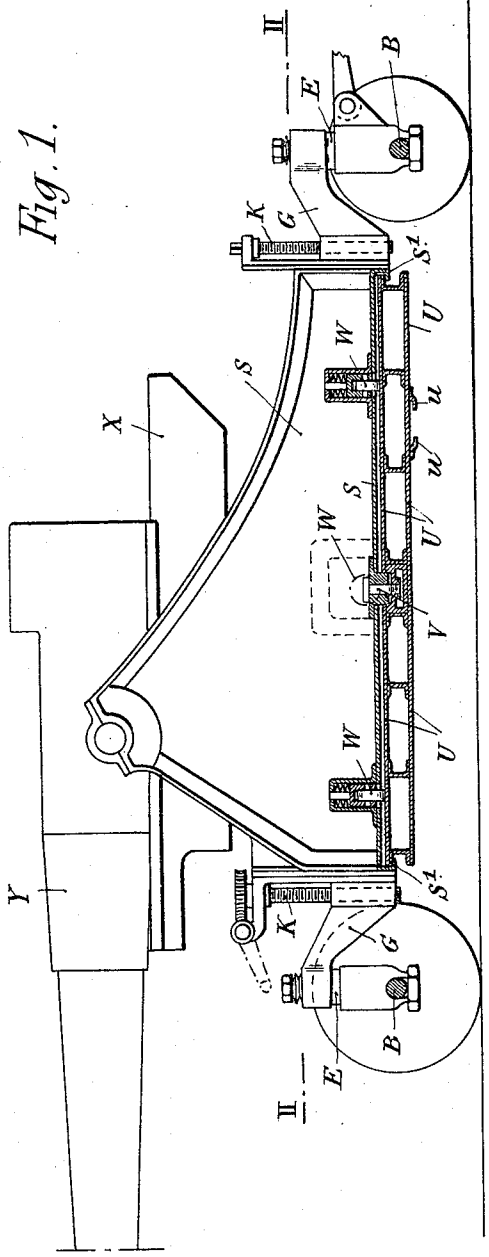
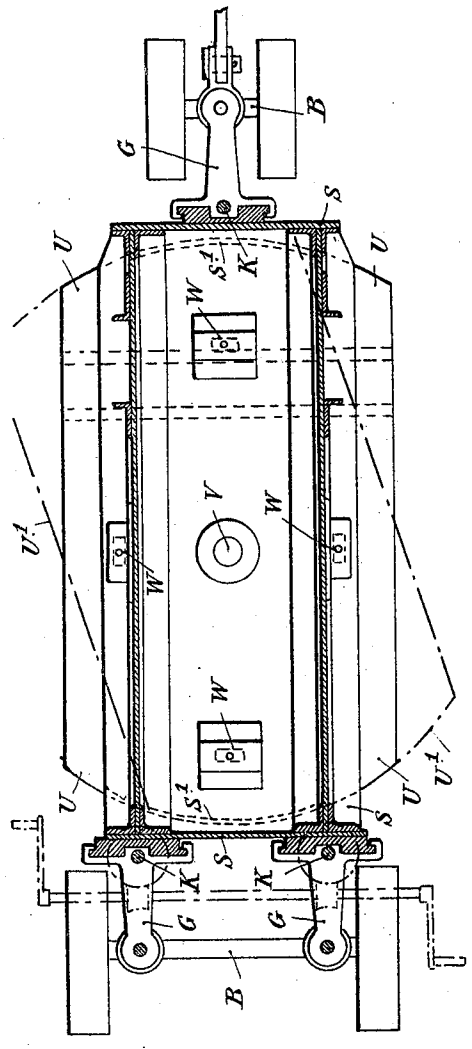


Fig. 2.



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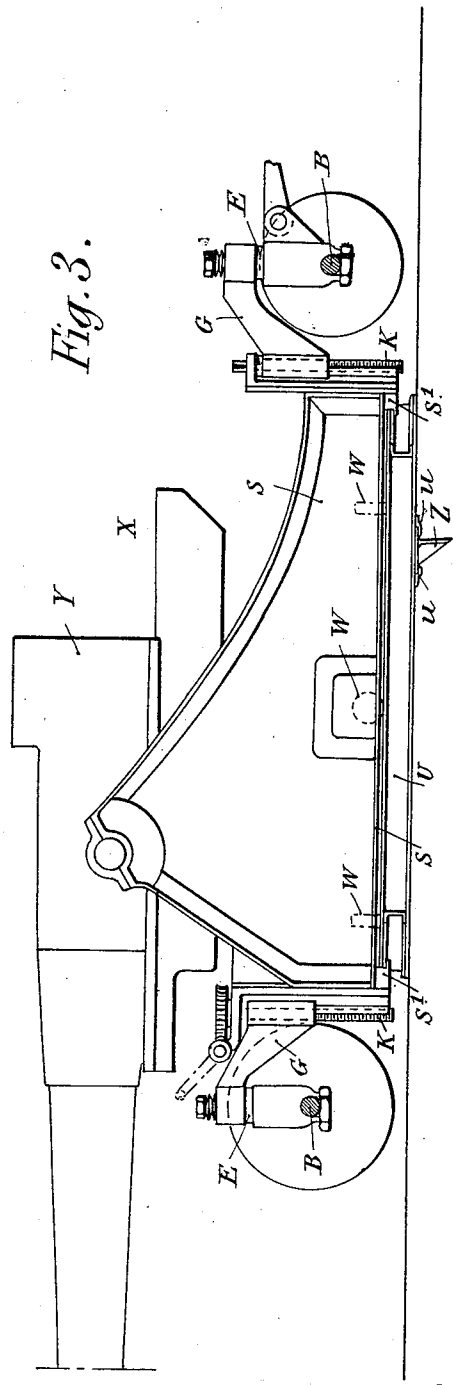
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Fig. 3.



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UNITED STATES PATENT OFFICE.

EUGÈNE SCHNEIDER, OF PARIS, FRANCE.

GUN-SUPPORTING PLATFORM.

1,310,144. Specification of Letters Patent. Patented July 15, 1919.

Application filed August 8, 1918. Serial No. 248,995.

To all whom it may concern:

Be it known that I, EUGÈNE SCHNEIDER, a citizen of the French Republic, and a resident of 42 Rue d'Anjou, Paris, France, have invented a new and useful Improvement in Gun-Supporting Platforms, which invention is fully set forth in the following specification.

In my application for U. S. patent filed July 30, 1917, Serial No. 183,595, I have described a gun support mounted on bogies or trucks and provided with a sub-platform, the platform and gun support being capable of relative movement with respect to each other around a vertical axis. Jacks are provided for lowering the gun support and sub-platform into firing position on the ground, continuation of the operation of the jacks raising the bogies or trucks off the ground. The reverse operation of the jacks lowers the bogies or trucks to the ground, while continued operation of the jacks lifts the support and platform off the ground for traveling. While the gun support with its sub-platform rests on the bogies, the sub-platform may be readily turned about a vertical axis into any position preparatory for firing, and, when the sub-platform rests on the ground and the bogies are off the ground, the gun support and bogies may be turned around the same vertical axis, the platform constituting a base for the gun support.

The invention described and claimed herein is for a specific embodiment of the broad invention described and claimed in my above application, and it comprises a gun carriage and a platform connected thereto, the gun carriage and platform being capable of relative turning movements with relation to each other around a vertical axis, and a plurality of trucks on which the gun carriage is supported by elevating and depressing jacks.

On the gun carriage is mounted the usual gun cradle adapted to swing thereon on trunnions and to receive a gun adapted to recoil on slides mounted on the cradle.

The platform and gun carriage are connected to give relative movement with reference to each other by providing circular retaining slideways, preferably on the gun carriage, in which the platform may work, and also providing a connecting pivot. To facilitate movement of the carriage on the platform when the latter rests on the ground and acts as a support for the carriage, anti-friction bearings are provided, preferably in the form of yieldingly supported rollers.

The gun carriage is supported on the trucks by any suitable elevating and depressing means such as by screw jacks or equivalent devices, but I preferably employ screw jacks having elastic suspension such as described in my above application Sr. No. 183,595.

In order that the invention may be more readily understood, reference is had to the accompanying drawings which are intended to assist the description of the invention but not to define the limits thereof.

In said drawings:—

Figure 1 is a view partly in side elevation and partly in longitudinal vertical section showing a gun carriage embodying my improvement in position for traveling;

Fig. 2 is a plan view partly in section taken on the line II—II of Fig. 1; and

Fig. 3 is an elevational view of the gun carriage in position for firing.

In the drawings, S designates a gun carriage in the side members of which is revolubly supported a cradle X having the usual slides on which the cannon Y can recoil. The gun carriage S is supported by jack screws K working in nuts formed in the frames G, which latter are connected to the gun carriage by guides and to the trucks by elastic suspensions E mounted on axles B of the trucks. U is a platform normally supported from the gun carriage in slideways S′ and connected thereto by a pivot V. The gun carriage is provided with yieldingly mounted antifriction rolls W to facilitate turning of the carriage on the platform. Brackets *u*—*u* are provided on the underside of the platform for receiving spades Z to anchor the platform in its firing position on the ground.

The operation of the device as thus far described is as follows:—Assuming the gun carriage to have been transported on its trucks to the place of operation, the platform U is turned into battery position such as indicated at U′, Fig. 2, while the gun carriage is supported by jack screws K on the trucks. Then the gun carriage and platform are lowered by proper manipulation of the jack screws K until the platform U rests on the ground. Further operation of the jacks in the same sense lifts the trucks off the ground. The gun carriage will now be supported on the platform which rests on

the ground and is anchored thereto by spades Z. The gun can be brought into aiming position by traversing the carriage S on platform U.

The entirety may be returned to its initial position for traveling by lowering the trucks into contact with the ground and elevating the carriage and platform off the ground.

What is claimed is:—

1. In a gun mount, the combination of gun supports, a plurality of wheeled trucks therefor having elevating and depressing connections therewith and a firing platform transportable with and revolubly connected to said supports for turning into firing direction when the latter are elevated into traveling position and adapted to revolubly support said gun supports when the wheeled trucks are elevated from the ground.

2. In a gun mount, the combination of gun supports, a plurality of wheeled trucks therefor having elevating and depressing connections therewith, a firing platform transportable with said supports and means for revolubly suspending said platform from said supports including pivot means and peripheral platform-retaining means adapted to permit turning the platform into firing direction when said gun supports are in traveling position, and to revolubly support said gun supports when the wheeled trucks are elevated from the ground.

3. In a gun mount, the combination of gun supports, a plurality of wheeled trucks therefor having elevating and depressing connections therewith, a firing platform transportable with said gun supports, means for revolubly suspending said platform from said supports when the latter are in traveling position, and anti-friction bearing means between said supports and platform becoming operative when said platform is lowered into firing position.

In testimony whereof I have signed this specification.

EUGÈNE SCHNEIDER.

Witnesses:
ANDRÉ MOSTICKER,
JOHN F. SIMONS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."