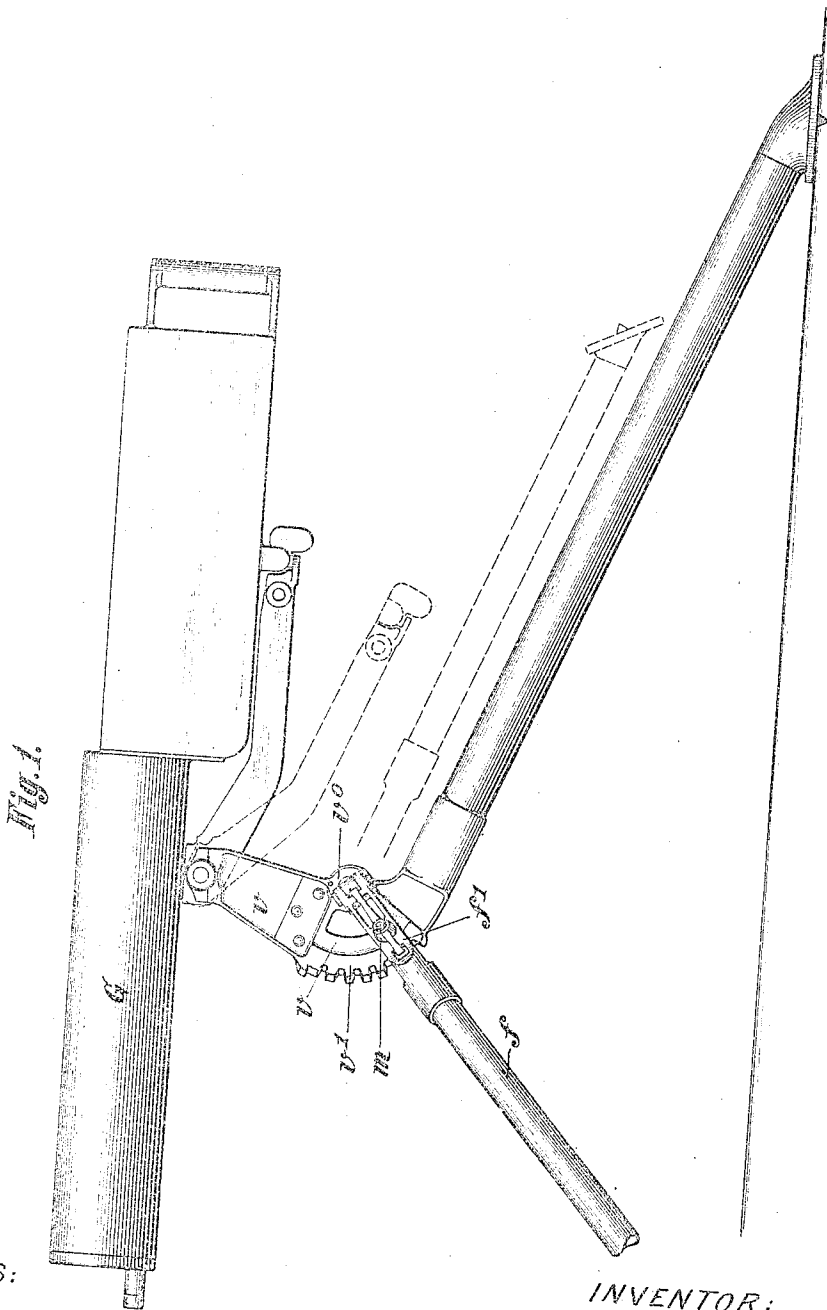


W. SONNBERG.

COLLAPSIBLE GUN MOUNT.
APPLICATION FILED AUG. 14, 1909.

1,012,738.

Patented Dec. 26, 1911.
3 SHEETS—SHEET 1.



WITNESSES:

Rene Gruine
W. Mallac

INVENTOR:

Wilhelm Sonnberg,

By Attorneys,

Arthur Thaw & Heine

W. SONNBERG.

COLLAPSIBLE GUN MOUNT.

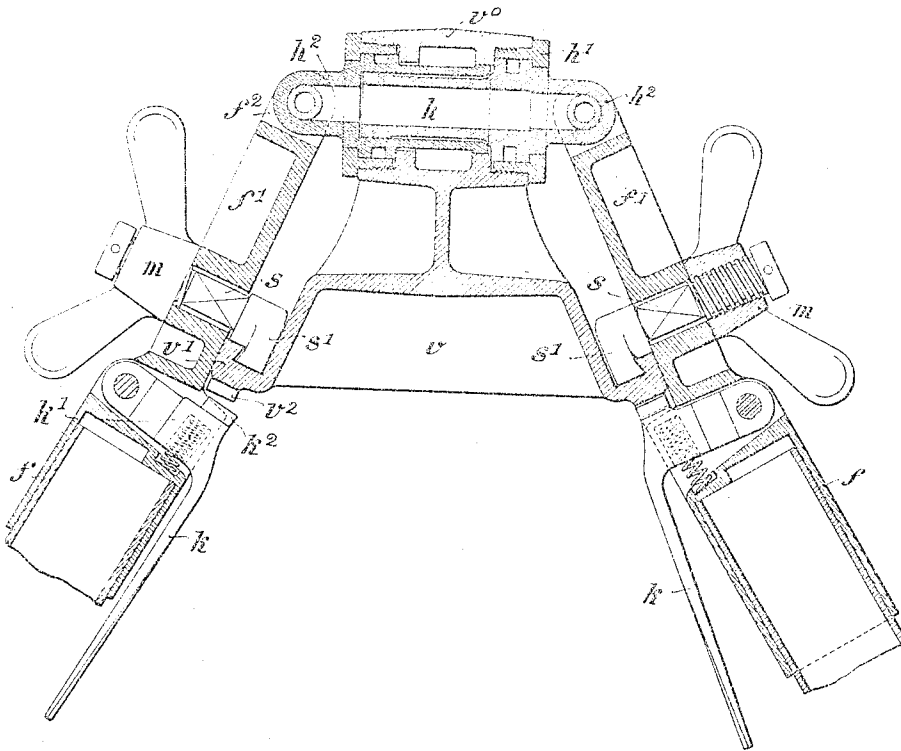
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3 SHEETS-SHEET 2.

Fig. 2.



WITNESSES:

Rene Guine
J. M. Hall

INVENTOR:

Wilhelm Sonnberg,

By Attorneys,

Arthur C. Thayer & Co.

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 3 SHEETS—SHEET 3.

Fig. 3.

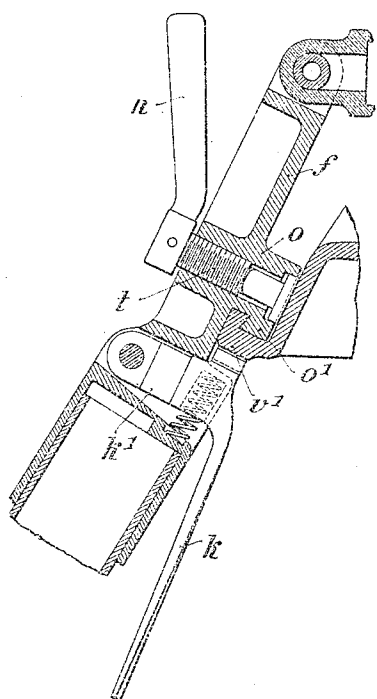
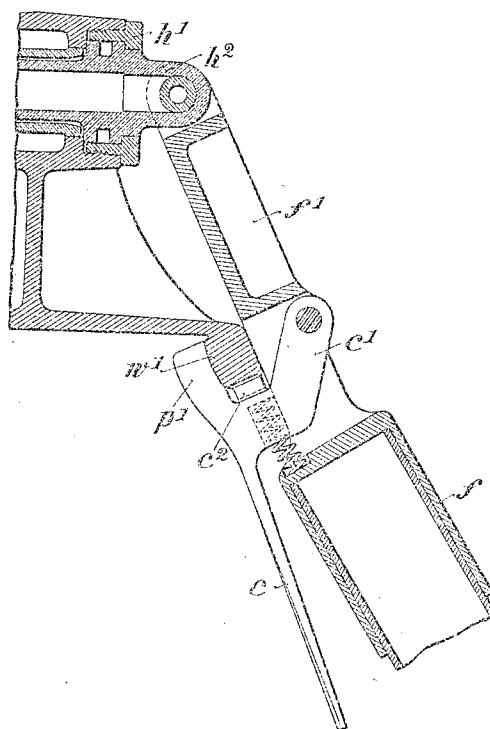


Fig. 4.



WITNESSES:

Rene' Gruine
J. M. M. M.

INVENTOR:

Wilhelm Sonnberg.

By Attorneys,

Arthur C. Frazar & Co.

UNITED STATES PATENT OFFICE.

WILHELM SONNBERG, OF BERLIN, GERMANY.

COLLAPSIBLE GUN-MOUNT.

1,012,738.

Specification of Letters Patent.

Patented Dec. 26, 1911.

Application filed August 14, 1909. Serial No. 512,738.

To all whom it may concern:

Be it known that I, WILHELM SONNBERG, engineer, a subject of the King of Prussia, residing at 43/44 Dorotheenstrasse, in Berlin, in the Kingdom of Prussia, Germany, have invented certain new and useful Improvements Relating to Collapsible Gun-Mounts, of which the following is a full, clear, and exact description.

The present invention relates to stands or supports for quick firing guns such as machine guns and the like, and more particularly to transportable supports, for example, so called tripod supports which can be carried along in a folded up condition or partly taken to pieces.

The present invention which is particularly applicable to the above mentioned tripods has for its object the simplifying and facilitating the setting up and folding together of such supports so that this can be more rapidly effected than is possible with any other known construction and consequently the quick firing or machine gun in question can be very rapidly brought into action. Any saving of time in this respect is of incalculable advantage, because, as is well known, everything, at a critical moment in the action, may depend upon the rapidity with which the machine or like guns can be brought into action; therefore any arrangement which permits of bringing a gun more rapidly into action is of great importance.

Now, according to the present invention in order to accelerate the setting up of the support—taking by way of example a tripod support—the arrangement is such that the front legs are pivoted by their upper ends to the body of the support and are each provided with a catch or fastening beneath the pivoting point which catch on bringing the leg into the standing position engages with a corresponding shoulder formed on the body of the support and thus fixes each of the front legs in its standing position with the body of the support, so that both supporting legs can be adjusted and fixed independently of each other at various angular positions to the back leg of the support by a simple swinging or turning movement.

The invention will now be described with reference to the accompanying drawings

which illustrate several modifications and in which—

Figure I is a side elevation of the tripod or support with a machine gun fitted to it. Fig. II is a vertical section taken through the upper part of the body of the support in which the legs are shown in the locked position. Fig. III is a vertical section of parts illustrating a modification in which the fixing of the leg in the standing position is effected by a screw independent of the catch. Fig. IV is a similar view illustrating a modification in which the catch forms one piece with the locking lever fixing the leg in a definite position.

Referring to Figs. I and II, and as may be seen more particularly from the latter, both the movable legs f f are pivoted, so as to move in all directions as on a universal joint, by their upper parts f' to a trunnion-like pivot h mounted in a supporting socket or bearing v^0 carried by the body v of the support somewhat like a Cardan joint. The trunnions h forming the pivots are held in their bearing v^0 by screw caps h' and at their outer ends are each provided with an eye h^2 to which is pivoted the forked part f^2 of the upper part f' of the leg.

For fixing the leg when in the standing position with the body of the support, a catch s is provided in combination with the part f' and engages behind a dovetailed segment-like shoulder v' provided at the lower part of the body v of the support. According to the construction above described this catch s is formed on a screw s inserted in the part f' and is provided at its outer end with a fly nut m , which, on screwing up, firmly fixes the leg in its position on the body of the support and prevents any accidental displacement.

The adjustment of the leg is effected by a pawl and rack gear v^2 k^2 , the rack portion v^2 of which is arranged in the form of a toothed sector on the lower surface of the shoulder v' , while the pawl lever k k' provided with the pawl k^2 and pivoted in a recess in the leg beneath the screw s' is shaped like a bell crank lever, the arm k of which extends along the inside of the leg, for the purpose of facilitating the manipulation. The manipulation is so effected that when setting up the support the latter is raised with one hand while the

other hand so grasps the levers one at a time that the pawl lever k k' is held in the disengaged position as may be seen from the left side of Fig. 2. Then the leg is swung
 5 around with its catch s in the direction of the shoulder v' so that the nose of the catch enters in the groove intended for it, that is to say the nose of the catch engages behind the outer edge of this shoulder. As
 10 soon as the desired position has been reached the lever is released so that it engages by its pawl k^2 in the corresponding notch of the rack, thereby fixing the leg in this position. As already mentioned the
 15 leg can be secured in this position by tightening up the fly nut m , thereby pressing the nose of the catch s' firmly against the corresponding part of the shoulder.

In the form of construction shown at
 20 Fig. III the nose o' of the catch o forms one piece with the part f' of the leg; that is to say it forms a lower lug or shoulder of the eye through which the screw t is passed.

25 In the modification shown at Fig. IV the pawl lever and catch are formed in one piece. In this case also the pawl lever c c' is pivoted in a recess of the part f' and is provided at its upper part with an arm p'
 30 forming the fixing catch, which arm p' , in the engaging position of the pawl lever, rests against the inner edge of the downwardly projecting shoulder w' of the body of the support. The pawl c^2 which meshes
 35 in the usual manner with the toothed rack is in this case arranged in a recess between the arms p' and c' . Otherwise the pivoting of the legs is the same as in the arrangements previously described.

40 Briefly the following manipulations are performed when setting up the support. The supporting legs are grasped in the manner already described and swung around the segments into the desired position,
 45 the pawl is released, the leg placed on the ground and the support is set up.

What I claim as my invention and desire to secure by patent is:

1. A tripod gun mount, comprising a

body, legs connected to said body by a uni- 50
 versal joint, means whereby said legs may each be confined to movement in a single plane, and means for securing said legs in position.

2. A tripod gun mount, comprising a 55
 body, legs connected to said body by a universal joint, engaging means on said body and legs by which said legs may each be connected to said body so as to confine said legs to movement in a single plane, and 60
 means for securing said legs in position.

3. A tripod gun mount, comprising a
 body, legs connected to said body by a uni-
 versal joint, shoulders on said legs adapted
 to engage shoulders on said body, whereby 65
 said legs are each confined to movement in a single plane, and means for securing said legs in position.

4. A tripod gun mount, comprising a
 body, legs connected to said body by a uni- 70
 versal joint, means whereby said legs may each be confined to movement in a single plane, means for fixing said legs against angular movement, and means for securely
 fastening said legs. 75

5. A tripod gun mount, comprising a
 body, legs connected to said body by a uni-
 versal joint, means whereby said legs may
 each be confined to movement in a single
 plane, a rack and pawl engagement between 80
 said body and legs for fixing the angular position of said legs and means for securely clamping said legs in position.

6. A tripod gun mount, comprising a
 body, legs articulated to said body, racks 85
 and shoulders on said body portion, spring pressed toothed levers upon said legs and adapted to engage said racks, and binding screws having shoulders adapted to engage
 the shoulders on said body portions. 90

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

WILHELM SONNBERG.

Witnesses:

ROBERT MICHALSKI,
 HENRY HASPER.