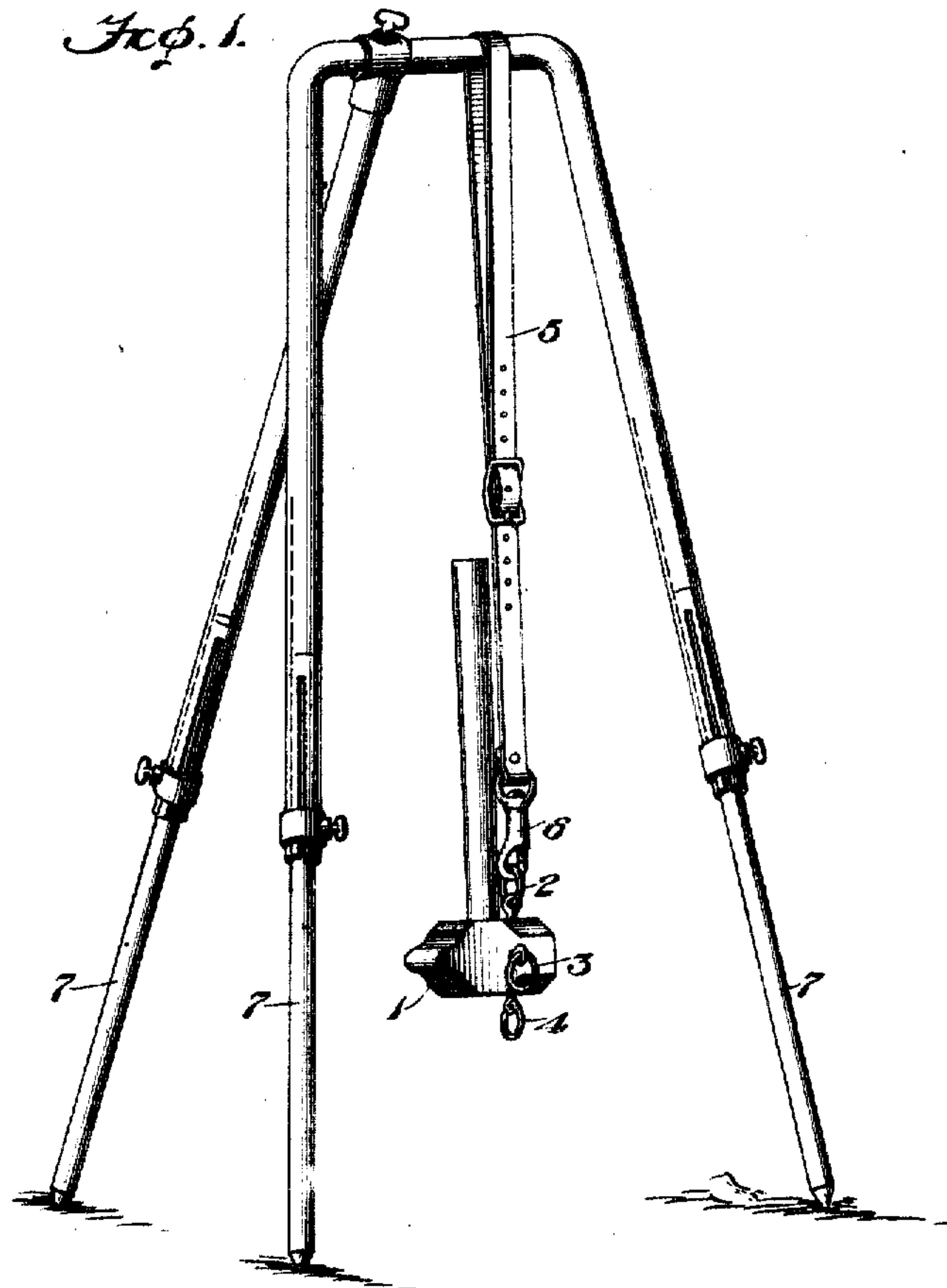


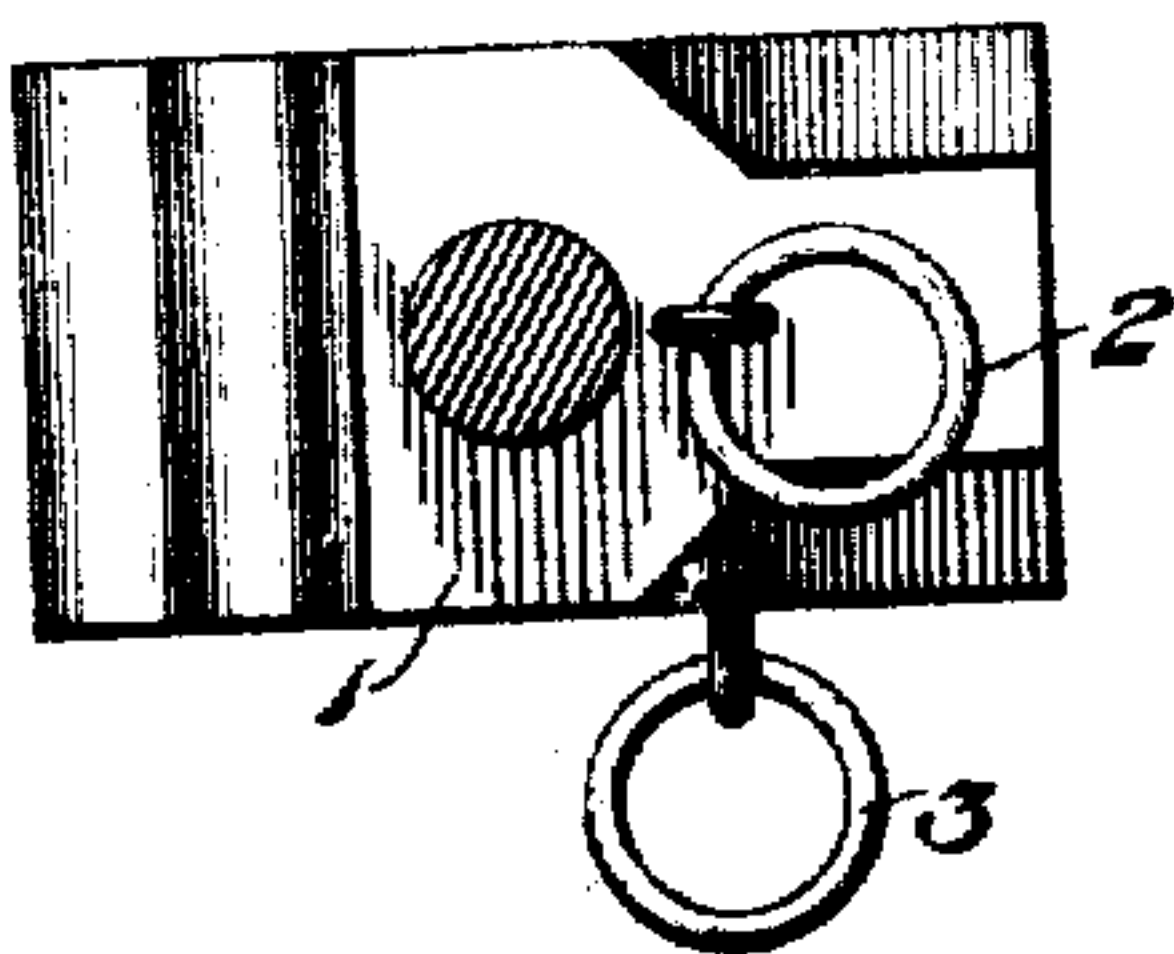
J. E. AKIN.  
HAMMER AND HAMMER SUPPORT.  
APPLICATION FILED MAY 25, 1908.

Patented Mar. 9, 1909.

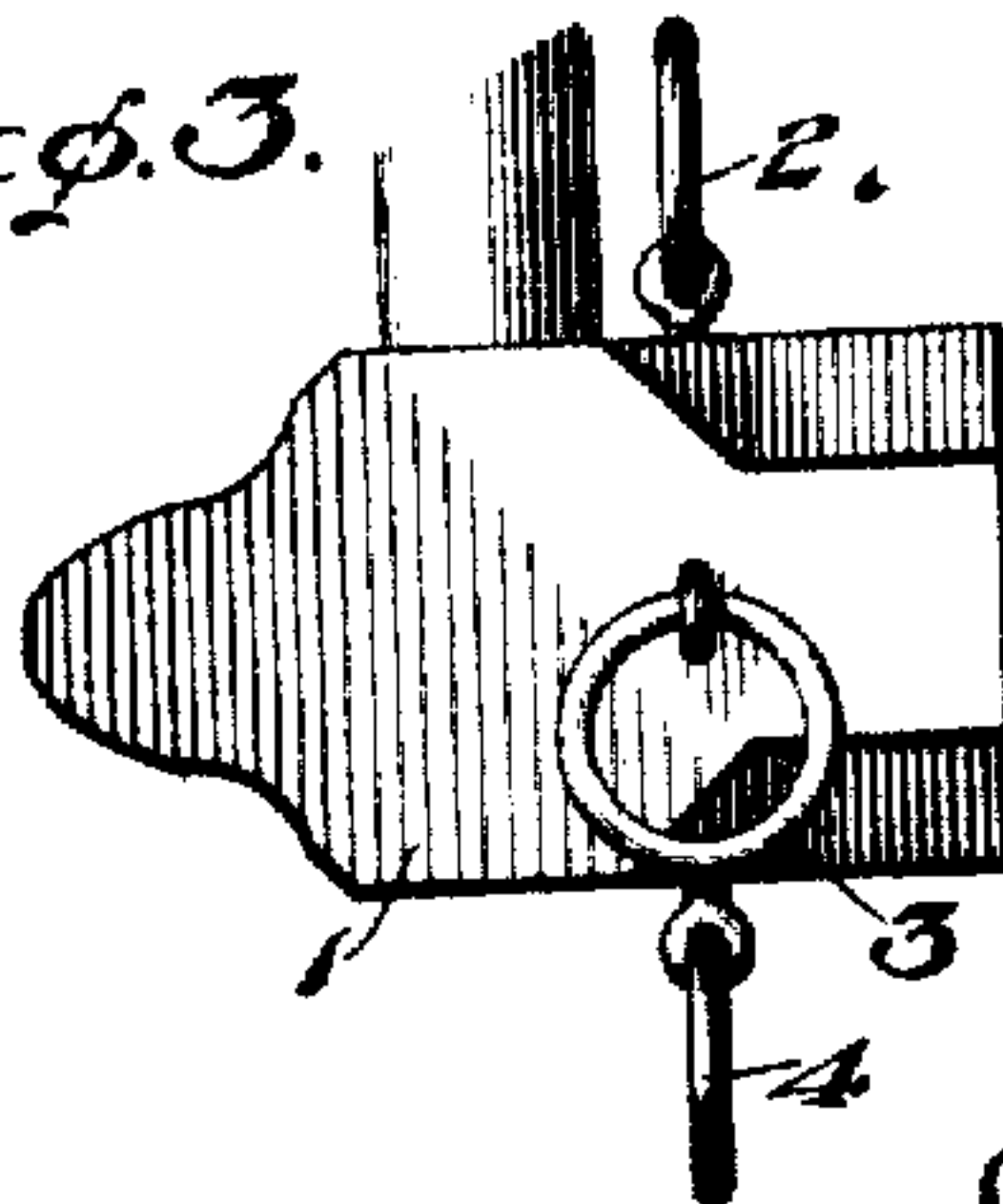
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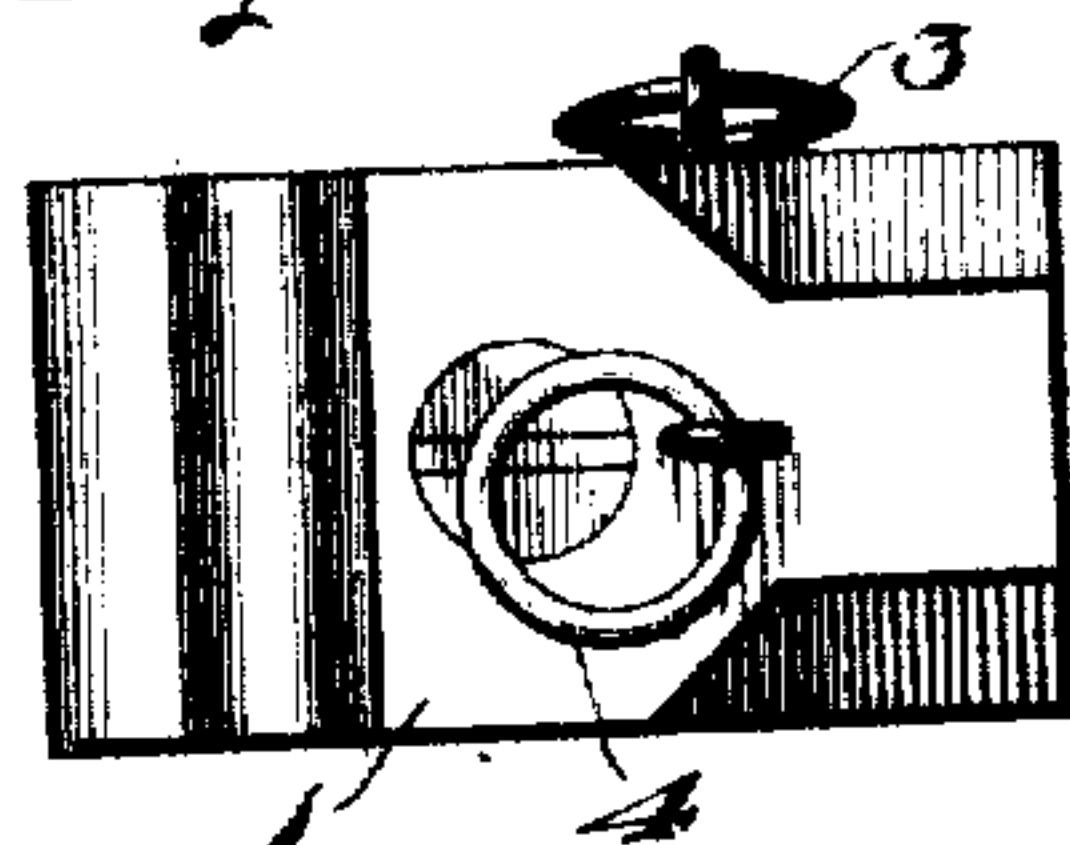
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Inventor

*John E. Akin*

Witnesses

*Lloyd W. Patch*

*Geo. W. Hamilton*

By

*Henry W. Cope*

his Attorney



# UNITED STATES PATENT OFFICE.

JOHN E. AKIN, OF GOLDFIELD, NEVADA.

## HAMMER AND HAMMER-SUPPORT.

No. 914,545.

Specification of Letters Patent.

Patented March 9, 1908.

Application filed May 25, 1908. Serial No. 434,806.

*To all whom it may concern:*

Be it known that I, JOHN E. AKIN, a citizen of the United States, residing at Goldfield, county of Esmeralda, and State of Nevada, have invented certain new and useful Improvements in Hammers and Hammer-Supports, of which the following is a specification.

My invention relates to hammers and hammer supports.

In many operations where a hammer is used particularly in rock drilling where the driller holds and turns the drill with one hand and strikes the drill with the other it is desirable to use a heavier hammer, than is possible in the old way. This result can be obtained only by my suspended hammer. The present size of hammers used in drilling is for single hand  $3\frac{1}{2}$  to 4 lbs.; double hand 8 lbs. By the suspended hammer, the single hand will use a hammer weighing not less than 12 to 50 lbs. and for such work as it can be used for no double hand drilling will be done; for the single user will be able to strike a harder blow with one hand, using an 18 lb. hammer, than will a man using both hands with an 8 lb. hammer. He will also strike oftener, for he will not have to swing so far, and the weight carried in suspension the user will not be tired so much. Thus I claim where the hammer can be used, one man will accomplish more than two by the present method, and I claim that probably 80% of rock drilling operations can be done with a suspended hammer.

The present invention has for its object the provision of a hammer support by which the hammer may be suspended from any suitable frame work, or from the shoulders of the workman, and further to provide novel means, whereby the hammer may be suspended in different positions to accommodate the various positions the user is compelled to take, not only in mining but in machine-shop work.

The invention is carried out by providing attaching devices on the hammer whereby it may be suspended in different desirable positions, as fully set forth hereinafter.

In the accompanying drawings:—Figure 1 is a perspective of the invention, suspended by a suitable frame. Fig. 2, an enlarged detail top view of the hammer or sledge, with the handle in sections: Fig. 3, a side view thereof; and Fig. 4, a bottom view.

The hammer or sledge 1 is provided with

eyes, rings, swivels, or any other suitable attaching devices 2, 3, and 4 positioned adjacent the handle, on the side of the hammer head, and on the end thereof whereby the hammer may be suspended by suitable means in any position in which it would be used. Any suitable means can be employed for suspending the hammer either from the shoulder of the workman or from a suitable framework and I do not limit myself in that respect, nor in regard to the form of the suspending devices, except where specified in the claims. A convenient means for suspending the hammer consists of a belt adapted for adjustment and provided with a snap swivel, or hook 6 which can be readily engaged with or detached from the attaching devices 2, 3, 4. The belt can be placed over the shoulder of the workman or over a suitable framework such as shown consisting of adjustable legs 7.

In many operations, such as using a sledge or hammer on the rock drill for the preparation of a blast hole, the present invention affords means whereby the sledge may be suspended to suit requirements of the workman and it relieves the workman from sustaining the weight of the sledge by his hands and also positions the same ready for use at all times.

Having thus described my invention what I claim as new, and desire to secure by Letters Patent, is:—

1. A hammer or sledge carrying means on its head for the attachment of a suspending device.

2. A hammer or sledge carrying a plurality of independent attaching devices at different points for connection to a suspending device.

3. A hammer or sledge carrying attaching devices on its side and inner and outer faces for attachment of a suspending device.

4. In combination with a hammer or sledge of a suspending device attached to the head thereof by which the hammer is freely suspended at the point of attachment.

5. In combination with a hammer or sledge of a suspending device detachably connected directly to the head thereof.

In testimony whereof, I hereunto affix my signature in presence of two witnesses.

JOHN E. AKIN.

Witnesses:

H. C. HERRICK,  
JOHN P. KERIN.