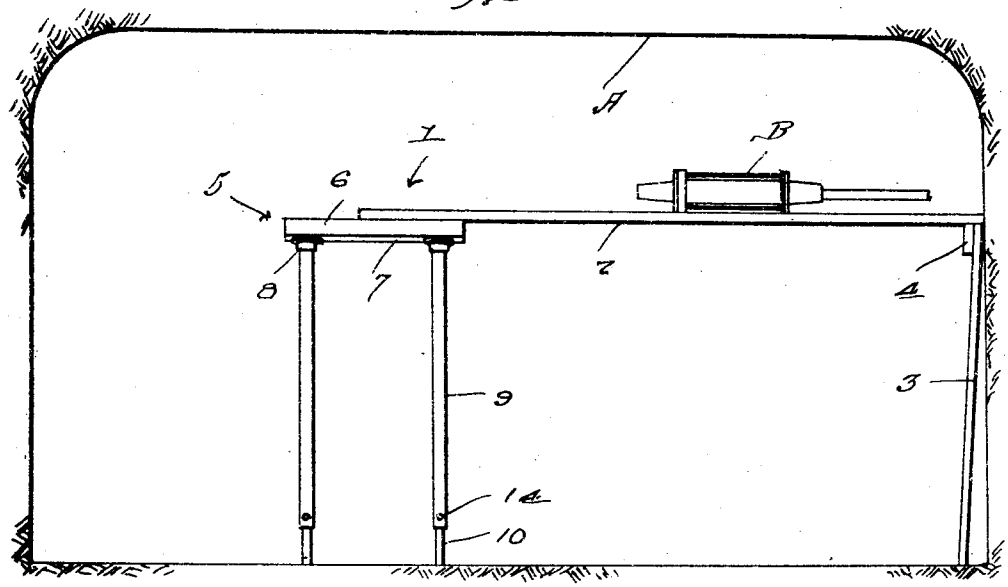
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JACK HAMMER SUPPORT

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Fig. 1.



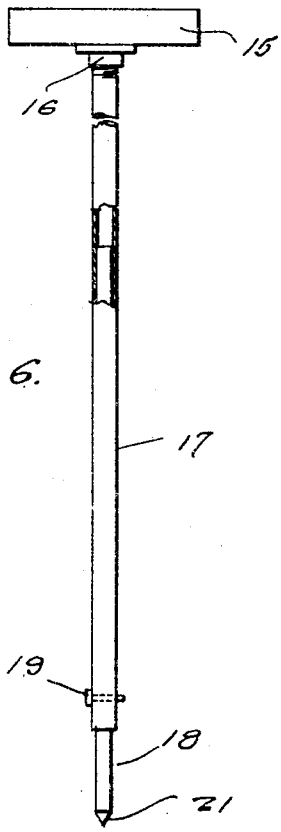
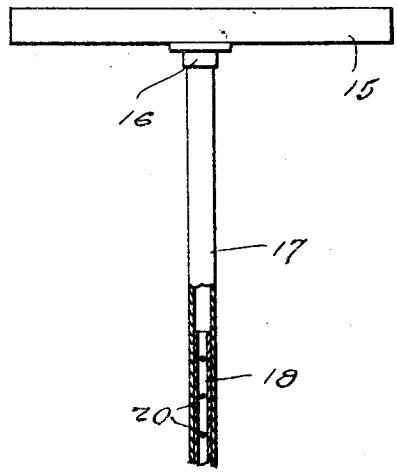


Fig. 6.

Fig. 7.



Inventor

Frank Thomas Nowalk

By Thomas A. O'Brien

Attorney

Sept. 25, 1928. 1,685,372

F. T. NOWALK

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Fig. 2.

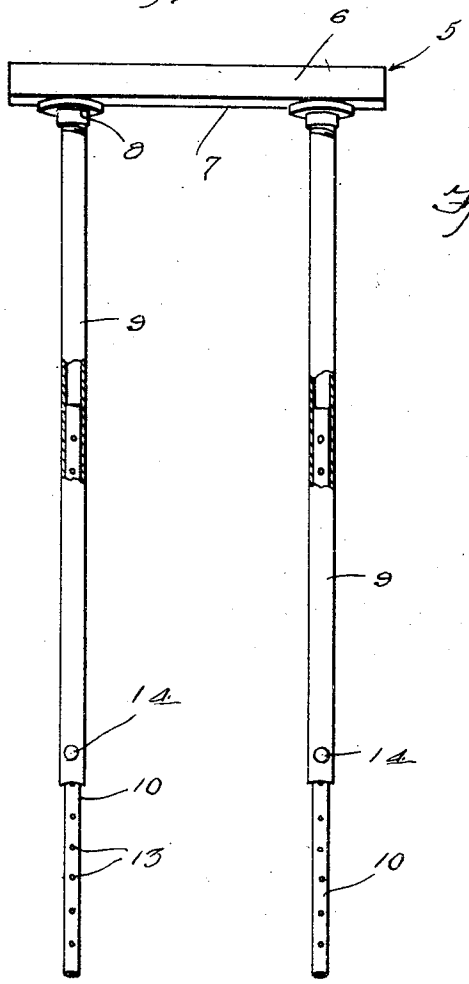


Fig. 4.

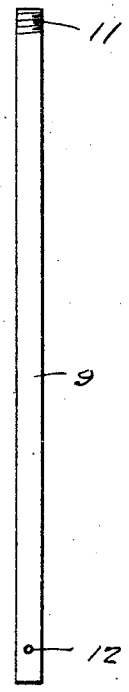


Fig. 3.

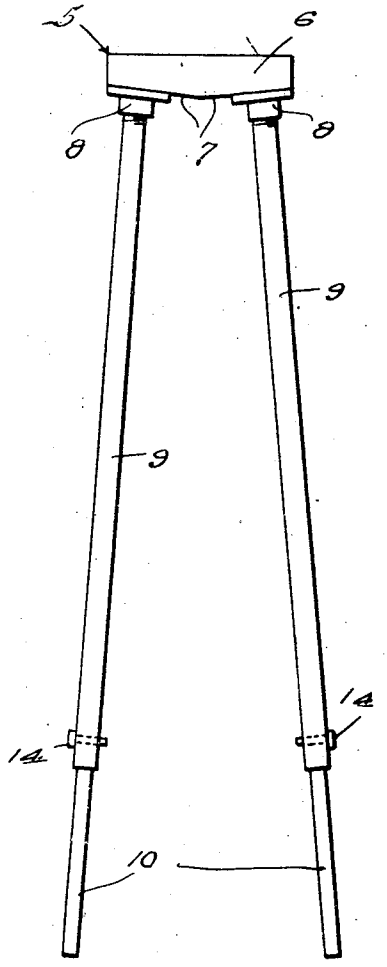
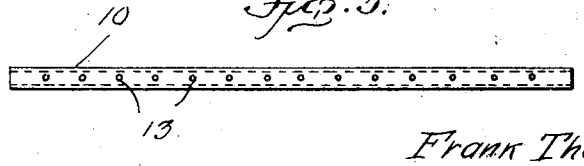


Fig. 5.



Inventor

Frank Thomas Nowalk

By Clarence A. O'Brien

Attorney

Patented Sept. 25, 1928. 1,685,372

UNITED STATES PATENT OFFICE.

FRANK T. NOWALK, OF SCRANTON, PENNSYLVANIA.

JACK-HAMMER SUPPORT.

Application filed March 5, 1927. Serial No. 173,167.

The present invention relates to improvements in supporting devices and has reference more particularly to a device for supporting a jack hammer in the proper horizontal position when in use, in mining coal.

At the present time, considerable difficulty is experienced in properly handling these so-called jack hammers, used in the mining of coal, and frequently the assistance of a number of men is required, in order to properly carry out the drilling operation in the mine.

One of the important objects of the present invention is to provide a device for supporting the jack hammer in a horizontal position so that the operator of the hammer may readily and easily operate the tool in performing the necessary drilling operation.

A further object of the invention is to provide a support of the above mentioned character, wherein means is provided for adjusting the supporting means for the rear end of the bed or table on which the jack hammer rests, when in use, thus assuring the positioning of the bed or table, in the proper horizontal position regardless of the level of the bottom of the mine.

A further and important object of the invention is to provide a support of the above mentioned character which may be readily and easily assembled or disassembled, the same being further simple in construction, strong and durable, and otherwise well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following detailed description.

In the accompanying drawings, forming a part of this application, and in which like reference characters indicate corresponding parts throughout the several views:

Figure 1 is a side elevation of the support embodying my invention, showing the manner in which the same is set up in a mine for supporting a jack hammer.

Figure 2 is a side elevation of the stand forming the supporting means for the rear end of the horizontal bed or table, parts of the upper sections of the telescopic leg members being broken away.

Figure 3 is an end elevation of the stand.

Figure 4 is a side elevation of one of the upper sections of the telescopic leg members forming a part of the stand.

Figure 5 is a side elevation of one of the lower sections of the telescopic legs associated with the stand.

Figure 6 is an end elevation of a modification of the stand, and

Figure 7 is a side elevation of the upper portion of the modification of the stand shown in Figure 6.

In the drawings, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally my improved support, the same comprising an elongated flat bed or table 2, which is adapted to be disposed horizontally within the mine A and on which bed or table is adapted to rest the jack hammer illustrated generally at B. As the construction of this hammer is well known in the art of coal mining, and as the same forms further no important part of the present invention, a detailed description thereof is throught unnecessary.

For the purpose of supporting the forward end of the bed or table 2, I provide the prop 3. This prop is disposed at an incline, the upper end thereof adapted to rest against the side wall of the mine, while the lower end rests on the floor or bottom, of the mine, in the manner as clearly shown in Figure 1. The cross arm 4 associated with the upper end of the vertical end of the prop 3 engages the bottom face of the forward portion of the bed and properly supports this particular end of the bed.

The supporting means for the rear end of the horizontally disposed bed or table 2, comprises a stand designated generally by the numeral 5, and this stand includes a substantially rectangular shaped platform 6. The bottom face of this platform is bevelled from the center of the platform to the respective sides thereof as indicated at 7 and secured to the beveled faces 7 are the internally threaded socket members 8. In the present instance, four of such socket members are provided to accommodate the forward and rear pairs of legs.

Each of the leg members comprises a pair of elongated telescopic sections 9 and 10 respectively. The upper section 9 has its upper end threaded as at 11, for engagement with the internally threaded socket member 8. The lower end portion of the upper section 9 is formed with registering openings 12, for a purpose to be presently described. The lower section 10 of each of the leg members is formed throughout its entire length with a series of spaced openings 13. This section is of a diameter slightly less than the inner diameter of the section 9, so that the lower

section will telescope within the upper section. The lower end of each of the lower sections 10 is adapted to rest on the floor of the mine, and for the purpose of adjusting the lower section 10 with respect to the upper section 9, I provide the pin 14 which extends through the openings 12 formed in the lower end portion of each of the sections 9. This pin is further adapted to extend through the openings 13 in the lower section 10 which are in registry with the openings 12.

In this manner, each of the leg members may be adjusted independently of each other so as to insure the supporting of the bed or table 2 in a horizontal position, regardless of the level of the floor of the mine.

The table or bed 2 rests on the prop 3 at its forward end and the rear end portion of the bed will rest on the platform 6 of the stand 5. In this manner, the several parts of my improved support may be readily and easily assembled and set up in position for use in a mine.

In Figures 6 and 7, I have shown a modification of the stand for supporting the rear end of the bed or table 2 and in this instance the stand comprises a rectangular shaped platform 15, wherein the bottom face is not beveled and secured to the central portion of the bottom face of this platform is a socket member 16, similar to the socket member 8 and a single leg comprising the telescopic sections 17 and 18 is associated with the platform 15. The upper section 17 is threaded at its upper end in the socket 16 and an adjusting pin 19 extends through the lower end of the upper section 17 and through one pair of openings 20 formed in the lower section 18 which registers with openings formed in the lower end of the upper section whereby the telescopic sections will be secured in their proper adjusted positions. The lower end of the lower section 18 is pointed, as indicated at 21, whereby the same will engage the floor of the mine and render the stand rigid.

The purpose of forming the bevelled faces 7 on the bottom of the platform 6 of the stand 5 is to cause the forward and rear pairs of leg members to be disposed downwardly in diverging relation, as is clearly shown in Figure 3.

The provision of a support of the above mentioned character will enable the miner to use the jack hammer in an efficient manner in drilling and will furthermore permit the use of the jack hammer in places which heretofore have been accessible only with difficulty.

When not in use the stand may be readily disassembled and will not occupy any considerable amount of space.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to, without departing from the spirit of the invention or the scope of the appended claim.

What I claim is:

A stand comprising a solid platform having a flat top face, said platform being of substantially rectangular design and decreasing gradually in thickness from its center to the side edges thereof for the full length of the platform, whereby bevelled faces are formed on the bottom of said platform, and front and rear pairs of supporting legs secured at their upper ends to the bevelled faces of the platform, whereby said front and rear pairs of legs are disposed in diverging relation toward their lower ends.

In testimony whereof I affix my signature.

FRANK T. NOWALK.