

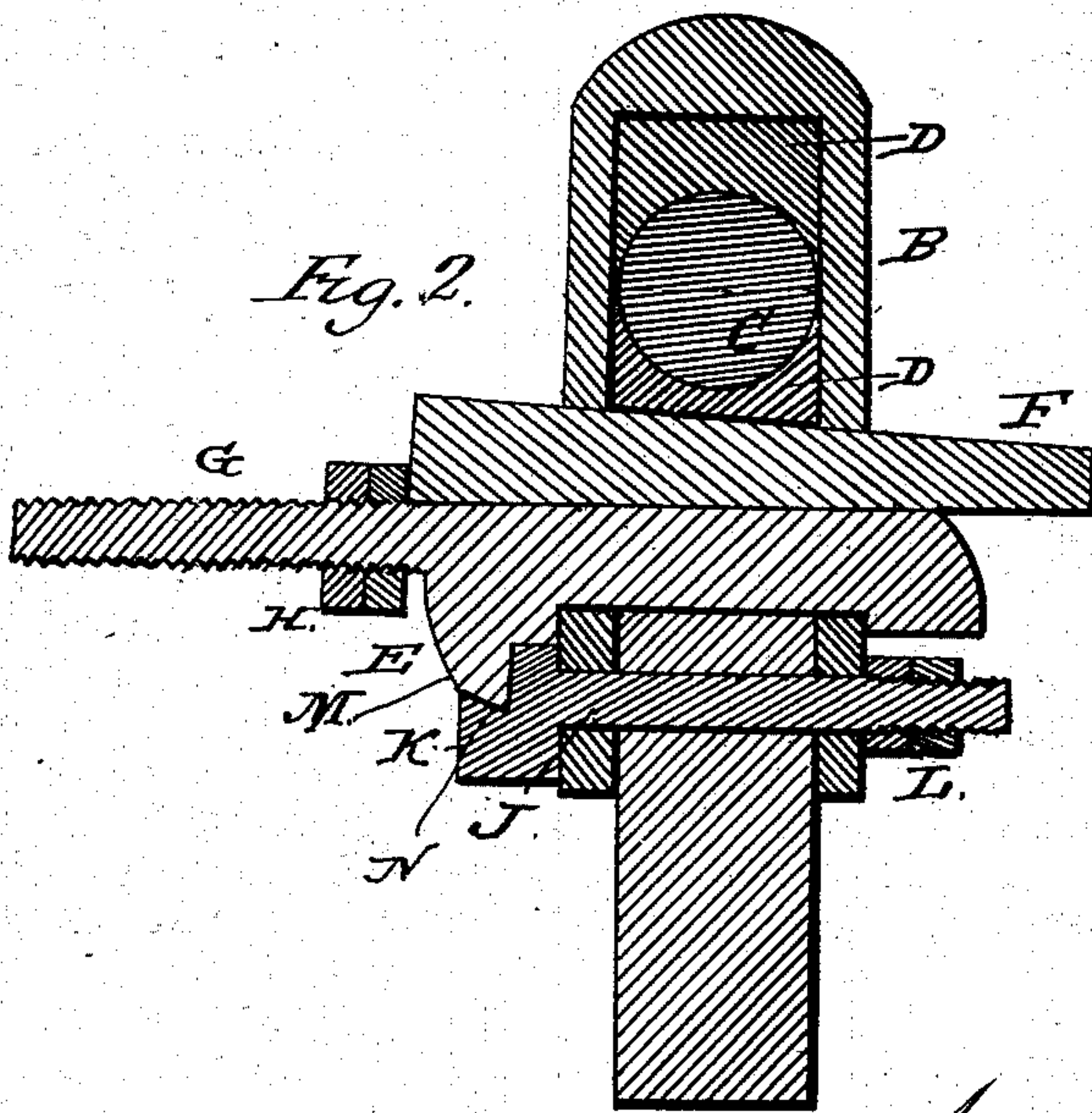
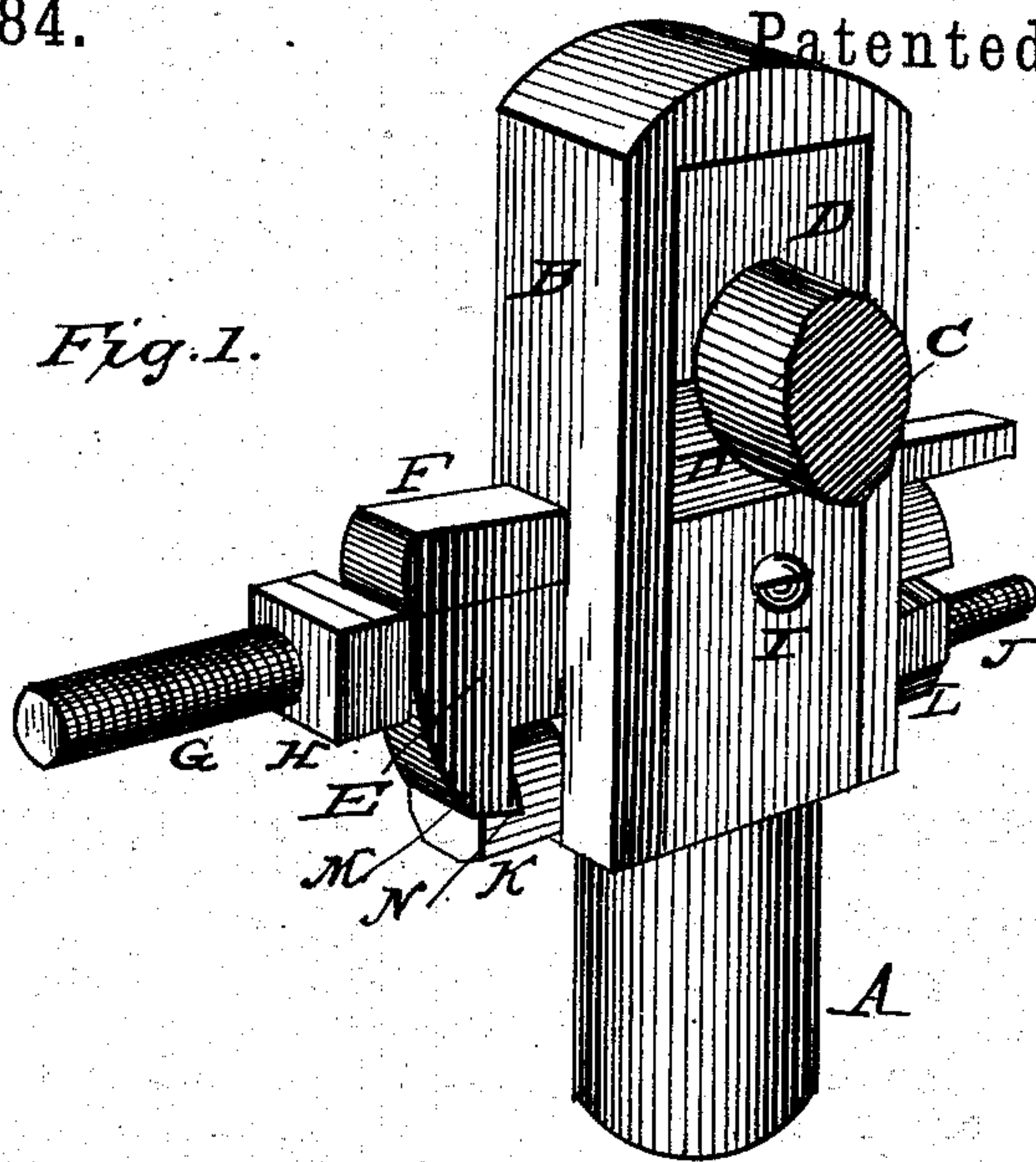
(No Model.)

I. C. SHAW.

GIB.

No. 276,484.

Patented Apr. 24, 1883.



WITNESSES:

*Wm. L. Dutcher*  
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*Ira C. Shaw*  
INVENTOR,  
*by Louis Bagges & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

IRA CLAYTON SHAW, OF RIXFORD, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO HIRAM T. BREESE, OF SAME PLACE.

## GIB.

SPECIFICATION forming part of Letters Patent No. 276,484, dated April 24, 1883.

Application filed February 28, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, IRA C. SHAW, of Rixford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Gibs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a pitman-head provided with my improved gib, and Fig. 2 is a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to gibs for strap-heads on pitmen, &c.; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the end of a pitman, B the strap, and C a part of a wrist-pin or crank-pin.

D D are the boxes between which the crank-pin turns, and which are held in place by the gib E and the cotter or key F. The inner portion of the gib is of the usual construction, but one end of the same, G, is extended outward and screw-threaded, and two nuts, H, turn upon the same. These nuts serve to drive the cotter, which bears against the lower box, in, thus doing away with the necessity of hammering the key in and holding the same in place when once in.

To furthermore secure the gib, a short set-screw, I, may be screwed in from the side of pitman-head, bearing against the side of the gib.

The strap B is held in place by means of the gib, and by means of a screw-bolt, J, passing through the lower ends of the strap and through the pitman-head below the gib, where

it clamps the ends of the strap between its head K on one side and one or two nuts, L, upon its screw-threaded end at the other side. To secure this bolt in place if the nuts should work off, the gib is provided with a downward projection, M, at the inner end of its screw-threaded portion, which engages a notch, N, in the upper and outer corner of the head K of the bolt, so that the bolt cannot work out and cause any accident in case the nuts should work loose. In this manner it will be seen that the gib serves to hold the cotter in place and the screw-bolt securing the strap, thus insuring the safe and tight working of the pitman-head and its boxes.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a strap-head of the described class, the combination, with the cotter F, of the gib E, having screw-threaded extension G, provided with nuts H, as and for the purpose shown and set forth.

2. In a strap-head, the combination of the screw-bolt J, securing the lower ends of strap B upon the pitman-head, and provided with nuts L, and head K, having notch N, with the gib E, having downward projection M, as and for the purpose shown and set forth.

3. In a strap-head, the combination of the pitman-head A, strap B, boxes D, gib E, having screw-threaded extension G, provided with nuts H and downward projection M, cotter F, and screw-bolt J, having nuts L, and head K, having notch N, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

IRA CLAYTON SHAW.

Witnesses:

W. B. COLE,

H. A. SCOVILLE.