(No Model.)

C. E. HEWETT.

HANGER FOR SAW FRAMES.

No. 389,470. Patented Sept. 11, 1888.

Fig. 1.

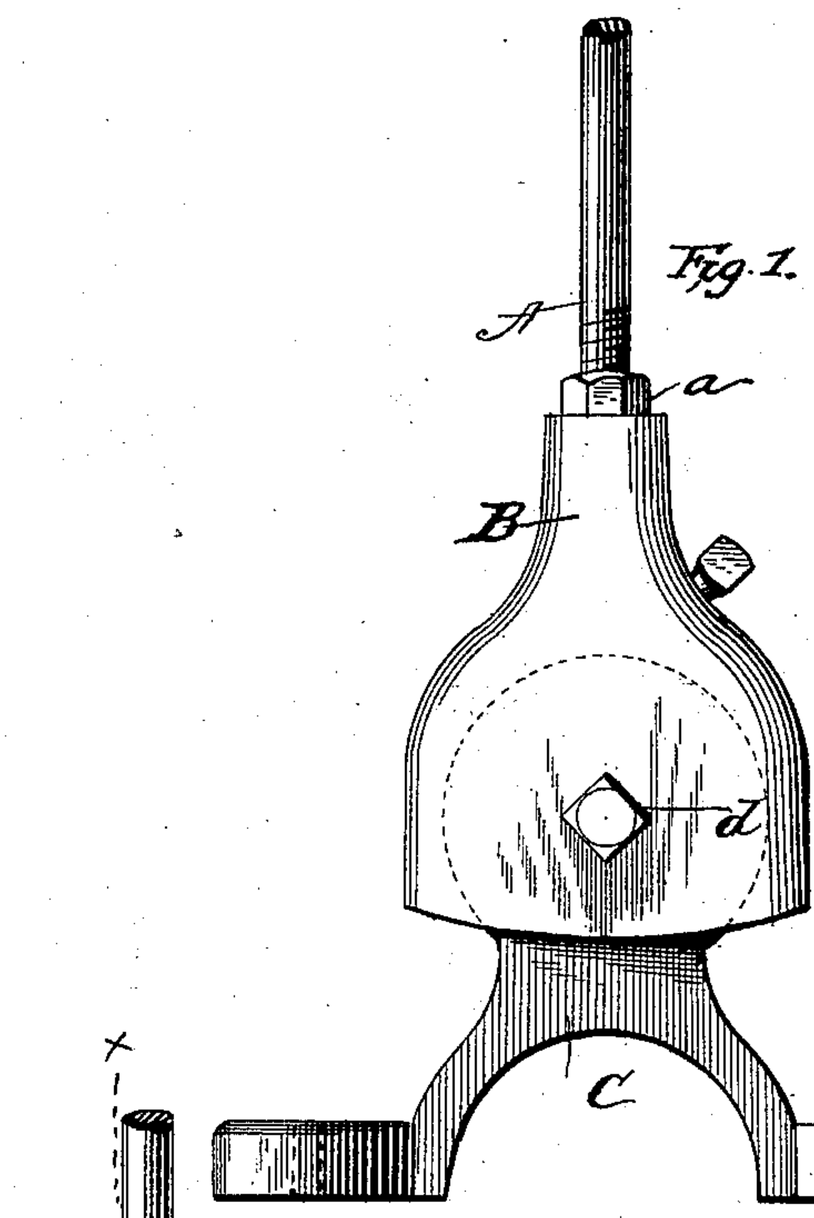


Fig. 2.

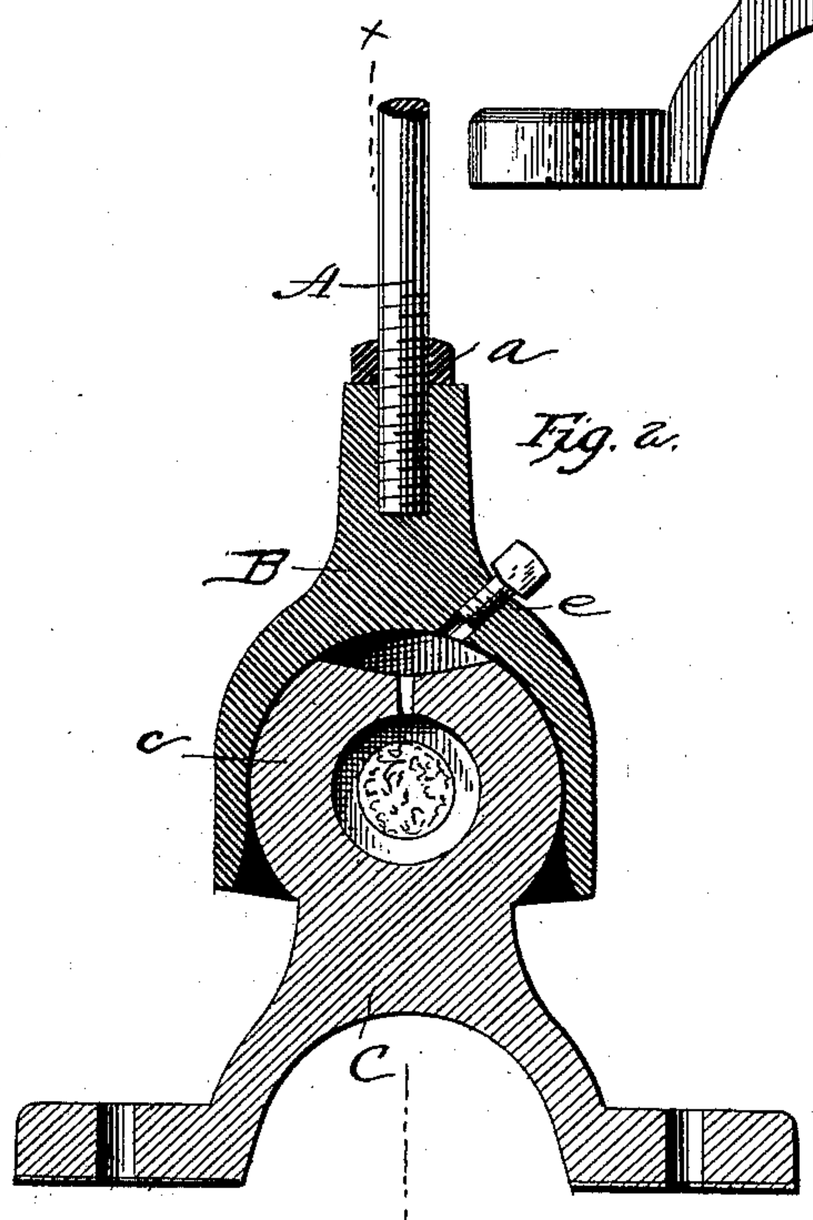
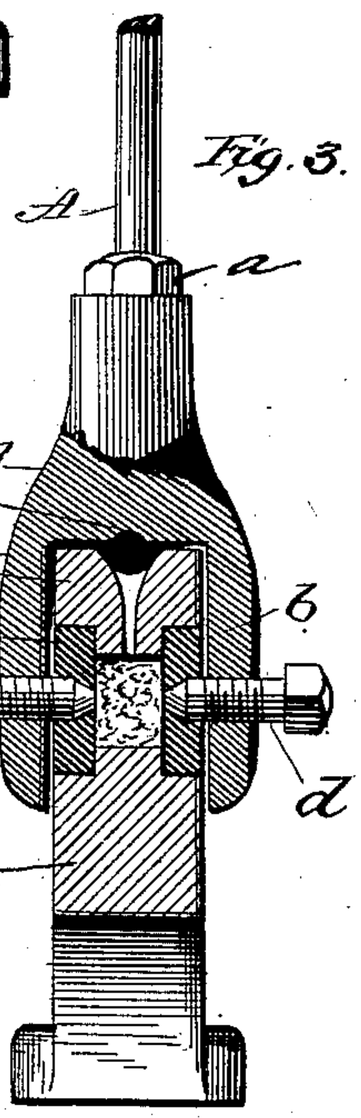


Fig. 3.



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HANGER FOR SAW-FRAMES.

SPECIFICATION forming part of Letters Patent No. 389,470, dated September 11, 1888.

Application filed March 6, 1888. Serial No. 266,314. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HEWETT, of Brandon, in the county of Rutland and State of Vermont, have invented a new and useful Improvement in Hangers for Saw-Frames; and I do hereby declare that the following is a full, clear, and exact description of the same.

In the sawing of marble or other kinds of stone into slabs a gang of saws held in a suitable frame is used to accomplish the purpose, and this frame carrying the saws must be supported so as to have reciprocating movement in relation to the material to be sawed, and in order to do this the frame has to be pivoted so as to swing back and forth, and thus cause the saws to cut into the material at each reciprocation. Heretofore it has been customary to support the saw-frame in numerous ways, the best known of which is to have arms pivotally attached to the sides of the frame and pivoted at their other ends to suitable supporting-posts.

The present invention relates to an improved hanger or support for the frame carrying the gang of saws, and my object is to provide a simple device which shall support the frame so that it can have the desired reciprocating movement with a minimum amount of friction.

The invention therefore consists of various details of construction and in the arrangement of parts, all hereinafter fully described and particularly claimed.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved hanger-box, and Fig. 2 is a central vertical section of the same. Fig. 3 is a section on line *x x*, Fig. 2.

In the drawings, A is the hanger-arm, suitably attached at its upper end to a supporting-beam. The lower end of this arm is screw-threaded and is adapted to be screwed into cap B, which it supports. A jam-nut, *a*, is provided near the end of the hanger-arm, and acts to prevent the arm A from working out of place. The cap B is made narrow at the top, where it is attached to the hanger-arm, and wider at its lower part, adapted to receive the head of the base-piece C, which is attached directly to the frame supporting the gang of saws. The base-piece C has downwardly-extending arms, the lower ends of these arms being bolted or otherwise secured to the sash of the gang of saws. (Not shown.) The head of the base-piece is rounded, so as to fit within the socket in the cap B, and this head *c* has secured in its sides steel pivot-cups *b b*, adapted to form bearings for shafts *d d*, which pass through the sides of the cap B, thus supporting the base-piece, and through it the saws, but allowing it pivotal movement, thus giving to the gang of saws the desired reciprocating movement. I make the head *c* of the base-piece hollow and provide an opening in the top adapted to register with an opening, *e*, fitted with a suitable plug near the top of the cap B, and this head *c*, I fill with cotton waste, and by pouring in oil through the opening *e* the filling will be saturated, and thus the bearings of the shafts *d d* in the steel cups will be kept lubricated.

It will thus be seen that by my construction the sand and water which is fed from above to the saws cannot get into the bearings upon which the saw-frame moves, since the cap B, which supports the frame, acts as a shield for the bearings.

I claim as my invention—

1. A hanger for saw-frames, consisting of a cap, B, suspended from a suitable support, and a base-piece secured at its lower end to the saw-frame and pivoted at its upper end within the cap B, substantially as described.

2. A hanger for saw-frames, consisting of a cap, B, suspended from a suitable support, having a socket in its lower end, the base-piece C, having a rounded head adapted to fit within the socket of the cap B, said head having steel pivot-cups secured in its sides, and pivots *d d*, extending through the sides of said cap, their inner ends bearing in said pivot-cups, substantially as described.

3. A hanger for saw-frames, consisting of a cap, B, suspended from a suitable support, having an opening near its upper end and a socket in its lower end, the base-piece C, hav-

ing a rounded head pivoted within said socket, as described, said rounded head being formed hollow for the reception of cotton waste or other like material and having an opening at the top adapted to register with the opening *e*, all substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES E. HEWETT.

Witnesses:

CHARLES H. JOYCE,

FREDERIC R. BAILEY.