

T. M. Chapman,
Hanging Saws.
No 11,930. Patented Nov. 14, 1854.

Fig: 1.

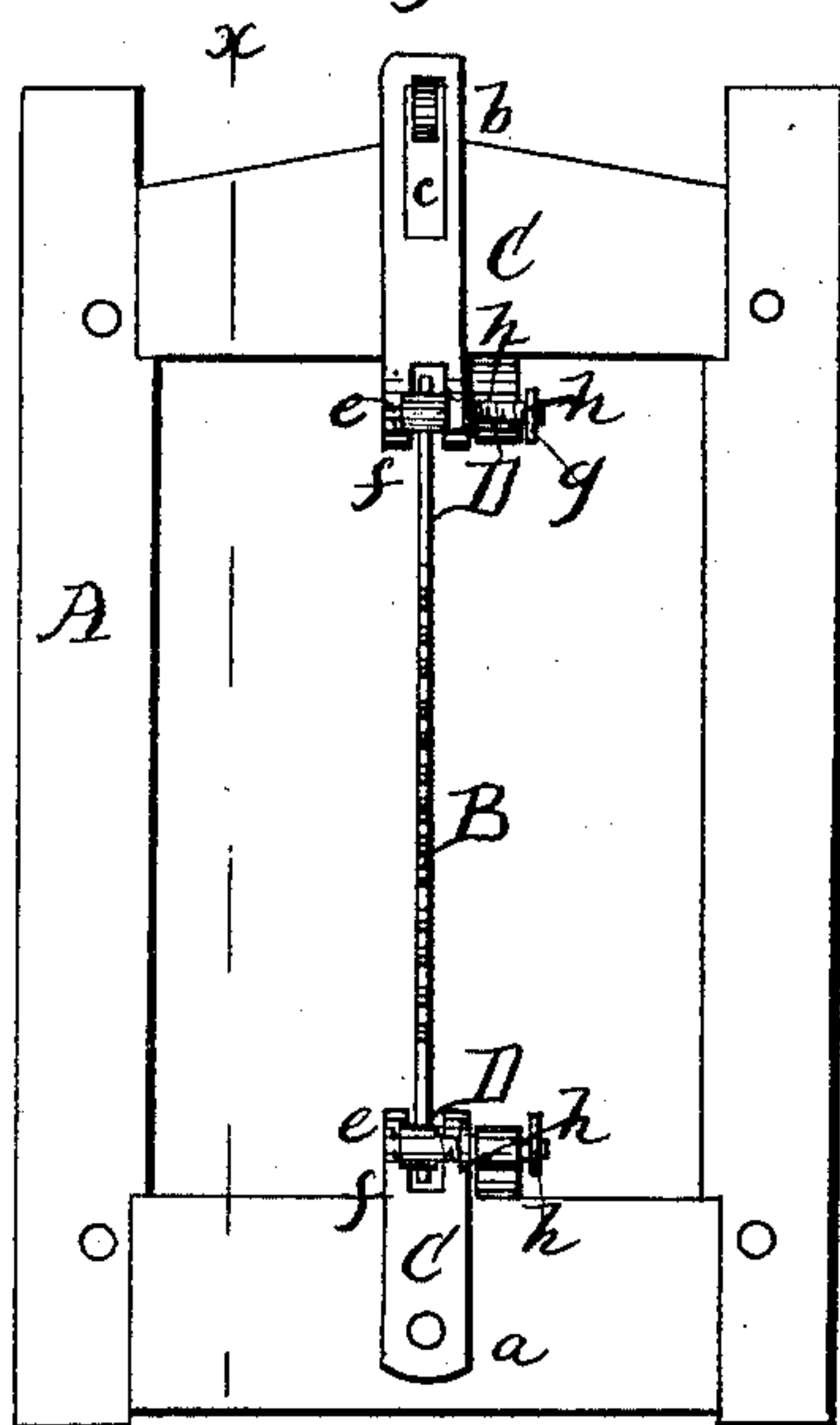
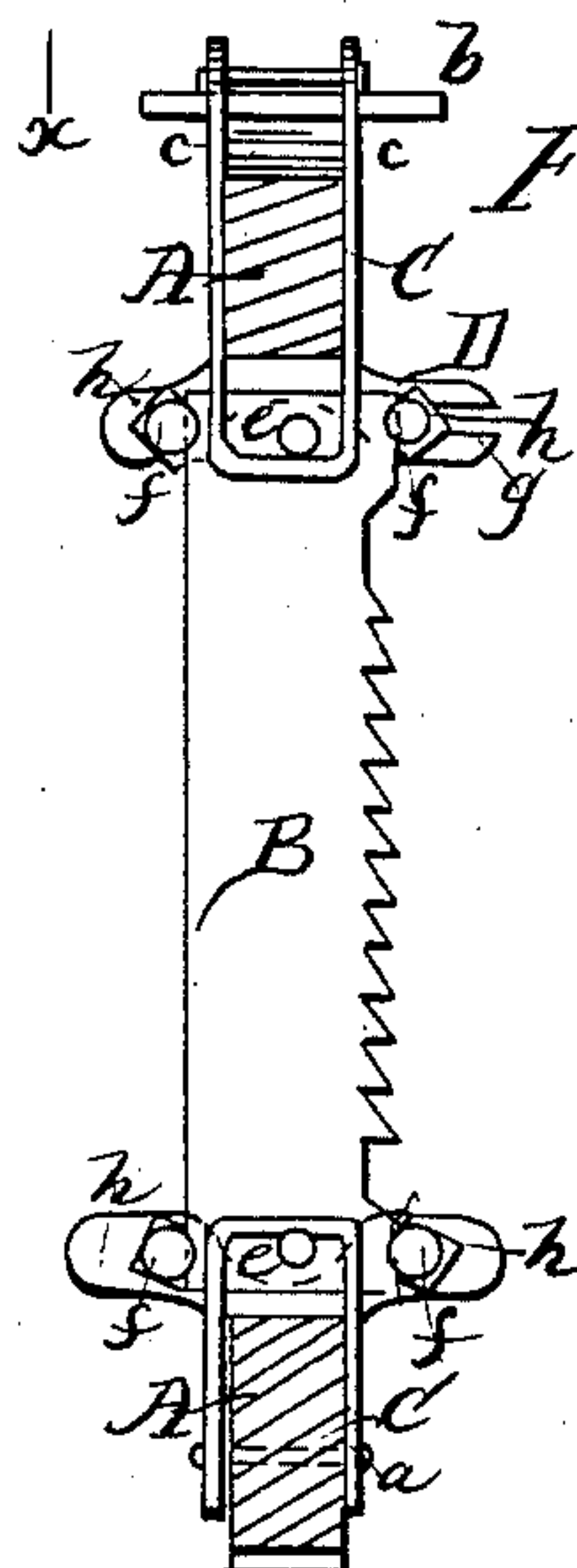


Fig: 2.



UNITED STATES PATENT OFFICE.

THOMAS M. CHAPMAN, OF OLD TOWN, MAINE.

DEVICE FOR ADJUSTING MILL-SAWS.

Specification of Letters Patent No. 11,930, dated November 14, 1854.

To all whom it may concern:

Be it known that I, THOMAS M. CHAPMAN, of Old Town, in the county of Penobscot and State of Maine, have invented a new and useful device to be attached to saw sashes or gates whereby saws may be readily attached to the gate or sash and also readily detached therefrom; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a front view of a saw gate or sash with my improvement applied to it. Fig. 2, is a transverse section of do. $\alpha \alpha$ Fig. 1, is the line of section.

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

The nature of my invention consists in having a stop at each side of the saw both at its upper and lower ends, said stops being placed in stocks and rendered adjustable as will be hereafter shown, whereby the saw may be taken from the sash or gate, and also secured therein with accuracy in a short space of time even by an inexperienced hand.

To enable others skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents a saw gate or sash of usual construction, and B, represents a saw secured therein.

C, C, are stirrups secured to the centers of the top and bottom cross pieces of the gate or sash.

The lower stirrup is secured permanently to the lower cross piece by a bolt (a) but the upper stirrup is secured to the upper cross piece by a key (b) being of slightly taper form and bearing on the upper part of said cross piece as shown clearly in Fig. 2.

The ends of the stirrups are slotted to receive the ends of the saw, which has a hole or aperture made through it at each end in which holes or apertures pins (e) are placed see Fig. 2, and red lines in Fig. 1, and by which the saw is properly strained in the sash or gate, the key (b) owing to its taper form draws, when driven in the slots (c) the upper stirrup upward and thus causes the saw to be strained.

D, D, are stocks secured to the upper and lower cross pieces of the gate or sash and adjoining the sides of the stirrups C, C. Each stock is provided with bolts (f) one passing through each end, said bolts having heads with recesses cut in them in which recesses the front and back edges of the saw fit see Fig. 2. The front bolt of the upper stock is fitted in a slot (g) in the stock as shown clearly in Fig. 2 so that said bolt can be withdrawn from its stock. The bolts are secured to the stocks by nuts (h, h,) two on each bolt one being at each side of the stock, as shown in Fig. 1.

The bolts (f) serve as stops or guides and prevent the saw from moving out of place either forward or backward as will be seen by referring to Fig. 2, and they also serve as guides when adjusting the saw to the sash or gate.

In order to detach the saw from the gate or sash the key (b) is loosened and the front bolt (f) in the upper stock removed, the saw is then freed, by removing the pins (e) (e), and it is attached to the gate or sash by placing the front and back edges of the saw in the recesses in the heads of the bolts (f) inserting the pins (e) (e) in the apertures or holes in the saw, and driving the key (b) in the slots (c) (c) in the upper stirrup C.

By the above improvement the saw may be taken from the sash or gate and readjusted properly therein in a short time and by an inexperienced hand. The stirrups also may be made much lighter than usual. The cost of the stocks is but little as cast iron may be used.

What I claim as new and desire to secure by Letters Patent, is,

The stocks D, D, secured to the upper and lower cross pieces of the gate or sash A, the stocks having a bolt or stop (f) at each end arranged in the manner and for the purpose as herein shown and described.

THOS. M. CHAPMAN.

Witnesses:

SAML. W. HOSKINS,
B. SAML. KIDEOUT.