

(No Model.)

J. B. TUPPER, Jr.

WINE PRESS.

No. 327,121.

Patented Sept. 29, 1885.

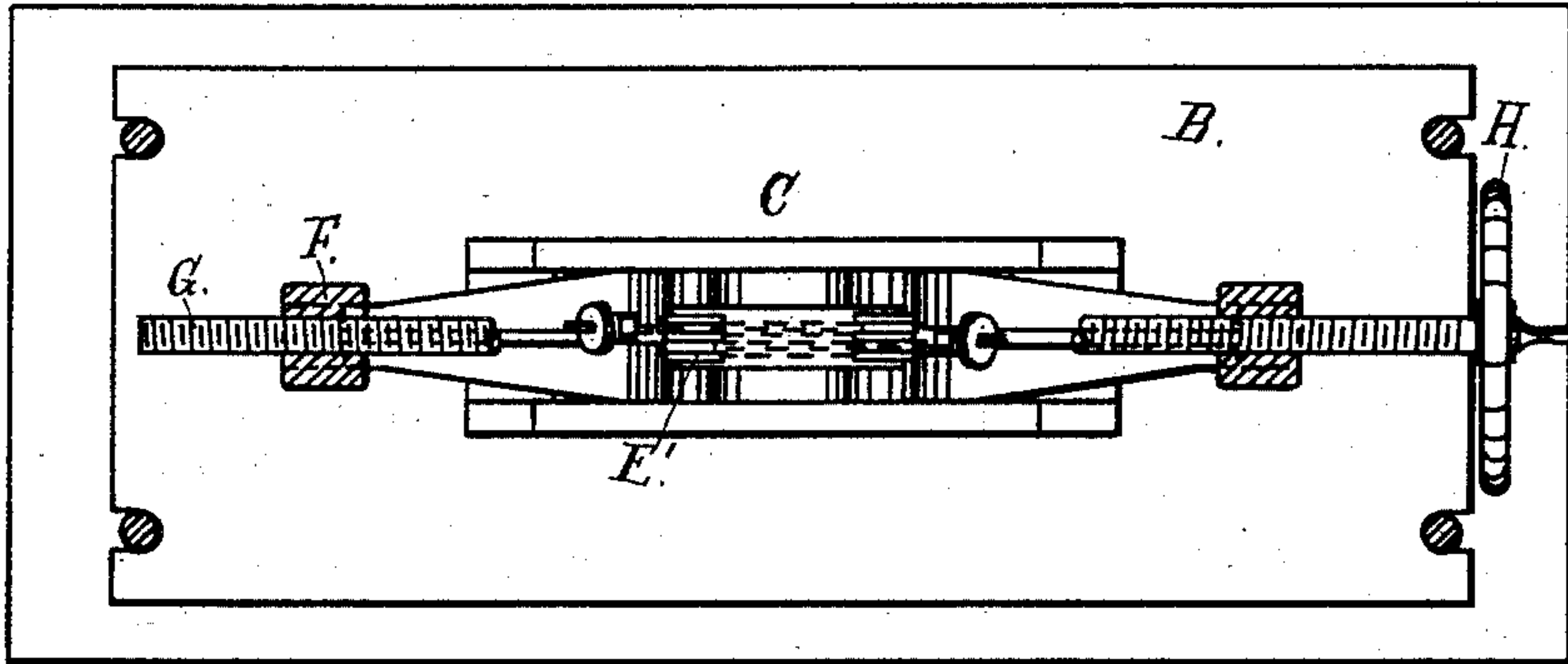
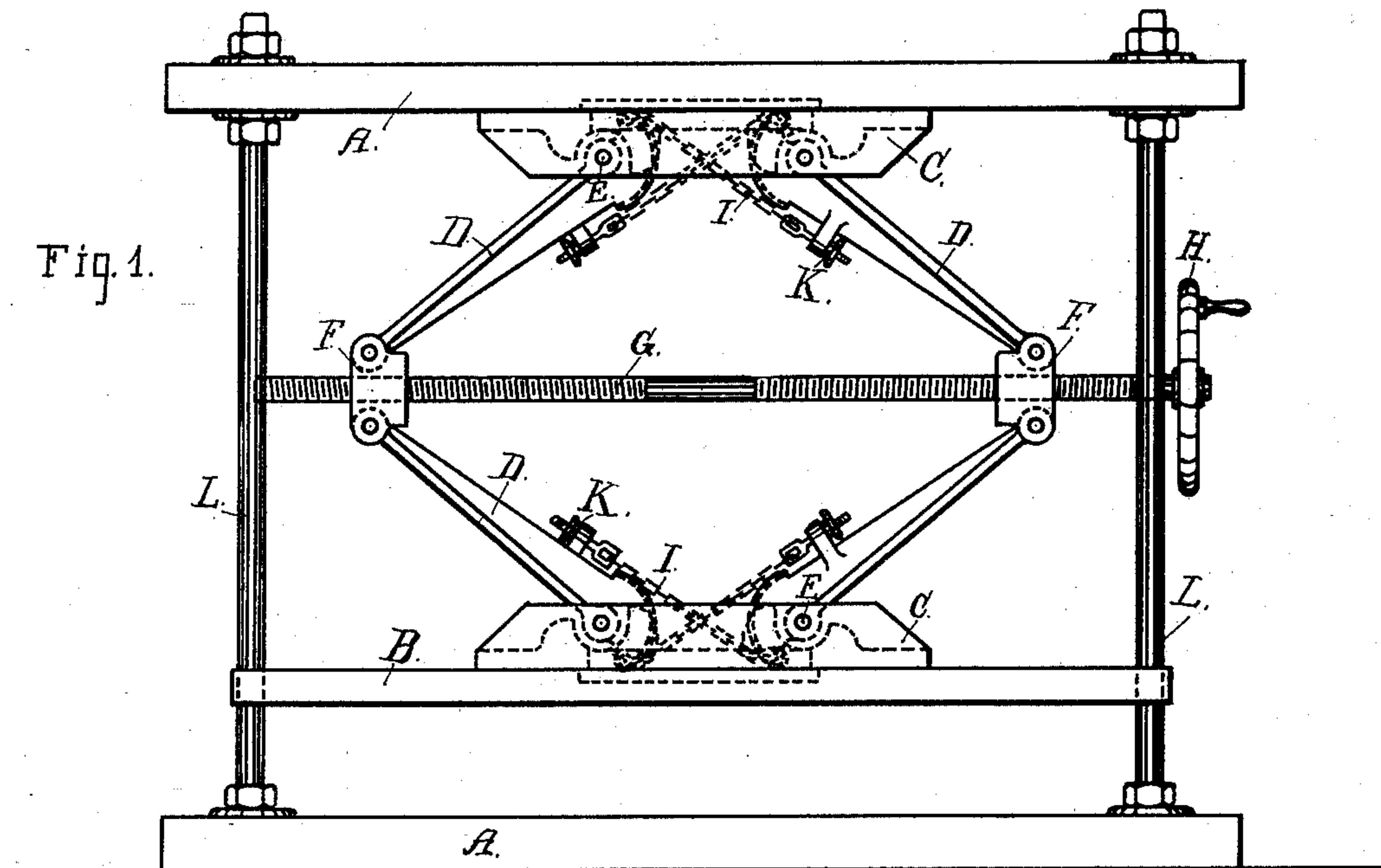


Fig. 2.



Fig. 3.

Witnesses:

Wm. Mayer
Joseph Ford

Inventor
John B. Tupper, Jr.
By *Edw. Smith*
Att'y.

UNITED STATES PATENT OFFICE.

JOHN B. TUPPER, JR., OF PETALUMA, CALIFORNIA, ASSIGNOR OF ONE-HALF TO GEORGE W. YOUNG, OF SAME PLACE.

WINE-PRESS.

SPECIFICATION forming part of Letters Patent No. 327,121, dated September 29, 1885.

Application filed June 30, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. TUPPER, Junior, a citizen of the United States, residing at Petaluma, in the county of Sonoma and State of California, have invented a new and useful Improvement in Wine-Presses, of which the following is a specification.

My invention relates to an improvement in that class of presses in which the pressure is applied by means of a screw and toggle-levers; and it consists, mainly, in the application and adaptation of sustaining and strengthening links or chains to the toggle-arms and made adjustable by set-screws.

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation of my improved press. Fig. 2 is a horizontal section of the same. Fig. 3 is a side view of one of the toggle-levers.

A represents the frame-work of my press suitably braced, and B the follower.

To the lower face of the cross-beam and the upper face of the follower are attached by bolts the bed-plates C, in which the upper and lower ends of the toggle-arm levers D operate, working in trunnion-bearings E, made in the plates and pivoted as shown.

The inner ends of the toggle arms or levers are pivoted to screw-chucks F, as shown at two points, and a horizontal screw, G, operates in these screw-chucks by means of a hand wheel or pulley, H, which raises and lowers the follower by causing the toggle arms or levers and chucks to approach each other more nearly or remotely, as the case may be, when the screw is operated or rotated.

The lower and upper ends of the series of toggles or levers are provided with two grooves or channels, E', which are parallel with each other, and within these grooves or channels I place chains or links I I, the inner ends of which are connected by a clevis or eye-holes, J, in the curved ends of the levers or toggles, while the upper or outer ends are connected

to the faces or ribs of the toggle-levers by set-screws K, and cross each other within the holding-plates, as shown. Each chain works in its channel or groove in the end of its respective lever as the operating-screw is moved to carry forward or backward the toggle-levers for raising or lowering the follower, and they work in concert with the toggles, and should one portion of the follower become lower than the other portion or bind upon the guide-rods L a true horizontal plane can be established by turning the set-screws and tightening or loosening the chains until the desired level of the follower is obtained. By this means the slack can be taken up and the toggle-levers strengthened and the pressure and strain upon the press more nearly equalized, and the pivotal ends of the toggle-levers be more nearly relieved of lateral strain or movement in the holding-plates connected to the frame and follower.

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

1. In combination with a wine-press having toggle-levers operating on pivotal points, providing the ends of the said toggle-levers with strengthening-chains, constructed, arranged, and operating substantially in the manner as herein set forth and specified.

2. The within-described improvement in wine-presses, comprising the channels or grooves in the ends of the toggle-levers, and the inner ends of the chains connected to the inner ends of the levers and operating in the channels or grooves and made adjustable by the set-screws at their outer ends, substantially in the manner as set forth and specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

JOHN B. TUPPER, JR. [L. S.]

Witnesses:

C. W. M. SMITH,
CHAS. E. KELLY.