

W. O. WATSON.

Lever-Press.

No. 160,131.

Patented Feb. 23, 1875.

Fig. 1

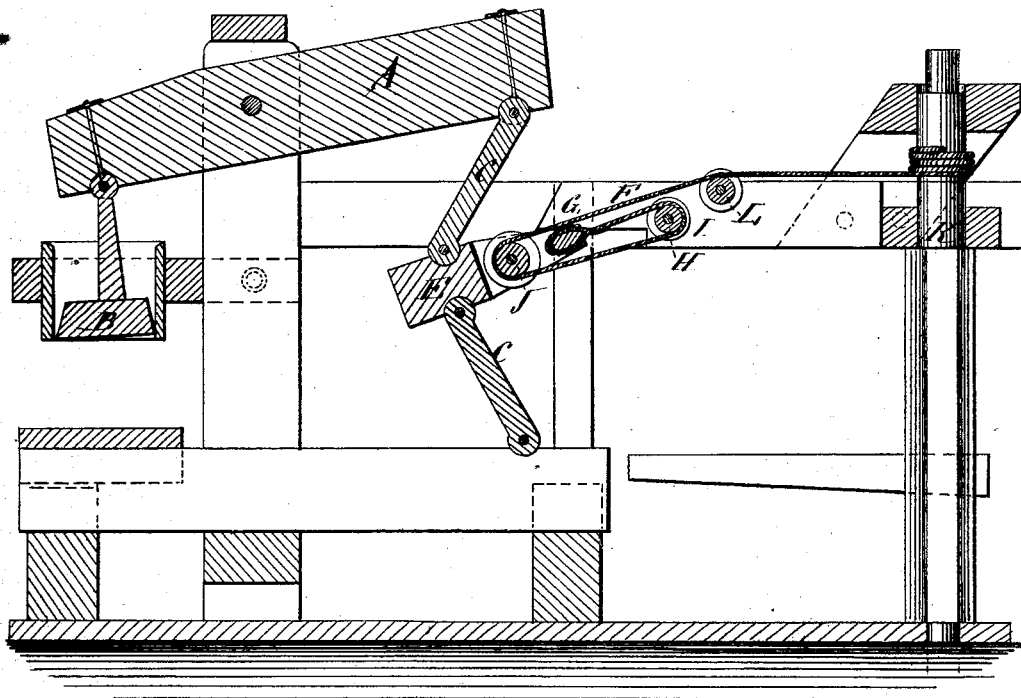


Fig. 2

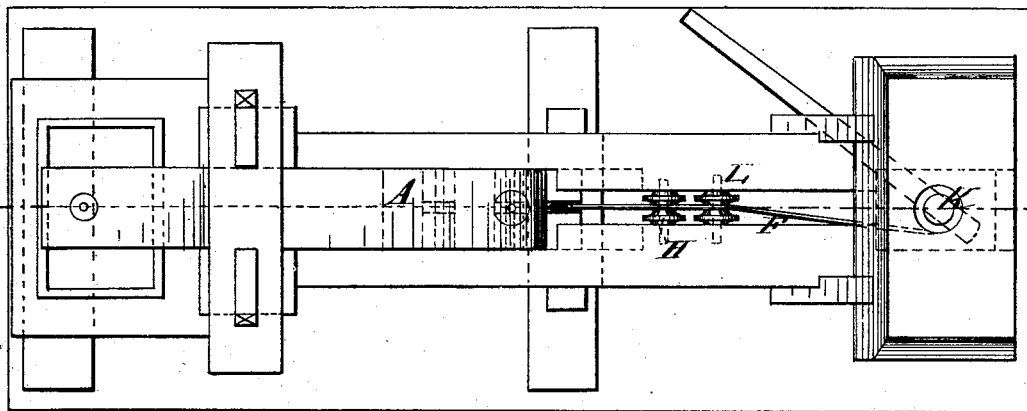


Fig. 3

WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM O. WATSON, OF ALBANY, GEORGIA.

IMPROVEMENT IN LEVER-PRESSES.

Specification forming part of Letters Patent No. **160,131**, dated February 23, 1875; application filed January 11, 1875.

To all whom it may concern:

Be it known that I, WILLIAM O. WATSON, of Albany, in the county of Dougherty and State of Georgia, have invented a new and Improved Lever-Press, of which the following is a specification:

My improvement in lever-presses consists of toggle-levers to work the main lever, connected to the capstan by a rope passing over intermediate pulley-blocks in a manner calculated to increase the leverage without the corresponding diminution of the speed consequent to the ordinary method.

Figure 1 is a sectional longitudinal elevation of my improved press, taken on the line *xx* of Fig. 2. Fig. 2 is a plan view, and Fig. 3 is a plan view of a pulley-block combined with the toggle-levers.

Similar letters of reference indicate corresponding parts.

A is the lever for working the follower B. It is worked by the toggle-levers C, with which I propose to combine the pulley-block E, to which the rope F is connected at G, and passes

over the pulley H, fixed in stationary supports I of the frame; thence back over the pulley J in block E, and thence to the capstan K, going over a guide-pulley, L.

By these pulleys H and J the leverage is largely increased, while the motion is not materially reduced, on account of the pulley J moving with the block.

The pulley H may be dispensed with, and the rope attached to a permanent object in its place with good results; but a greater leverage is obtained with than without it.

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

The combination of the block E, pulley J, and the pulley H with the rope F, capstan K, and the press-lever A, substantially as specified.

WILLIAM O. WATSON.

Witnesses:

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