

N. J. Lilly,

Cotton Press.

N^o 23,180.

Patented Mar. 8, 1859.

Fig 1.

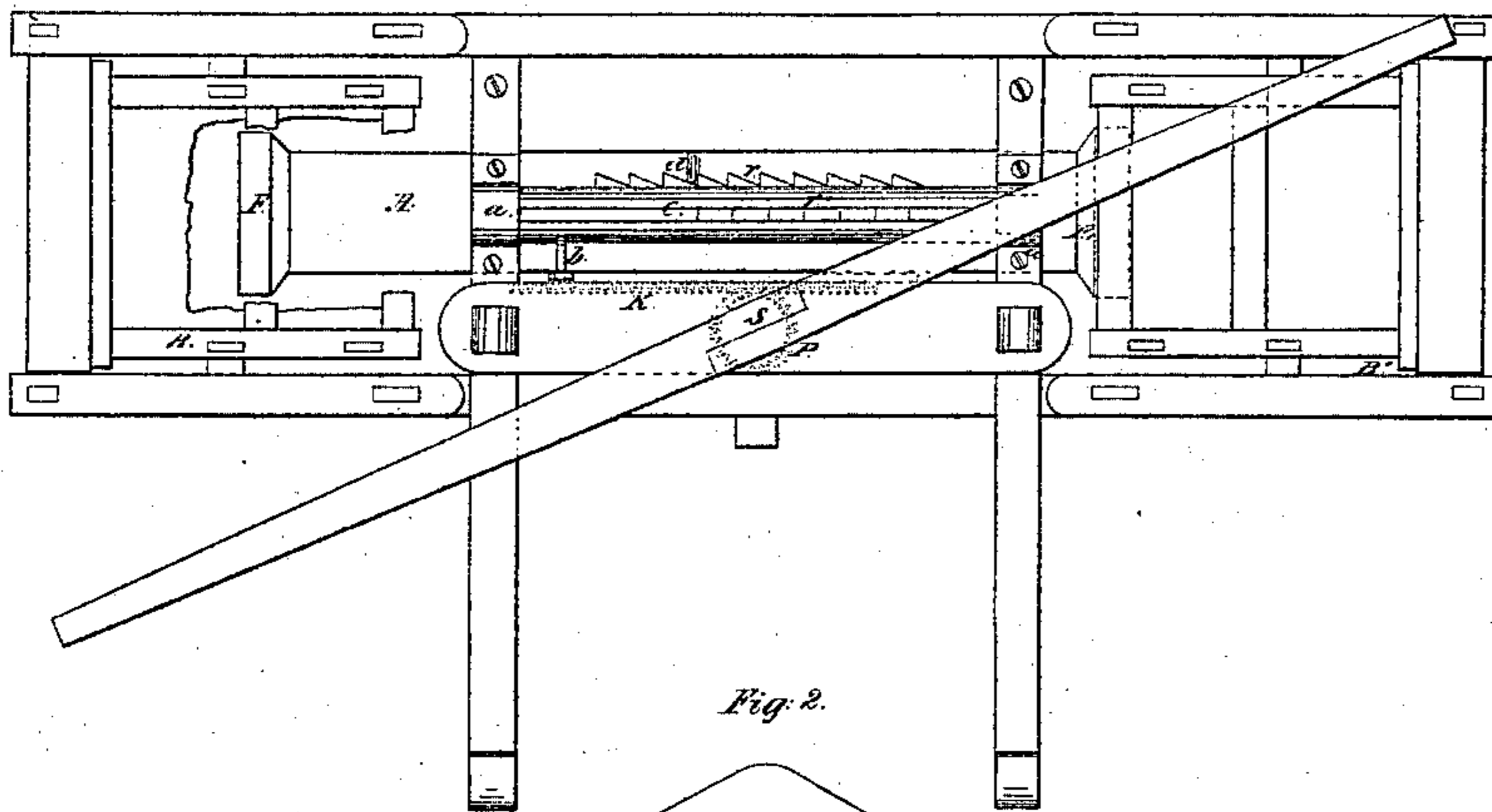


Fig 2.

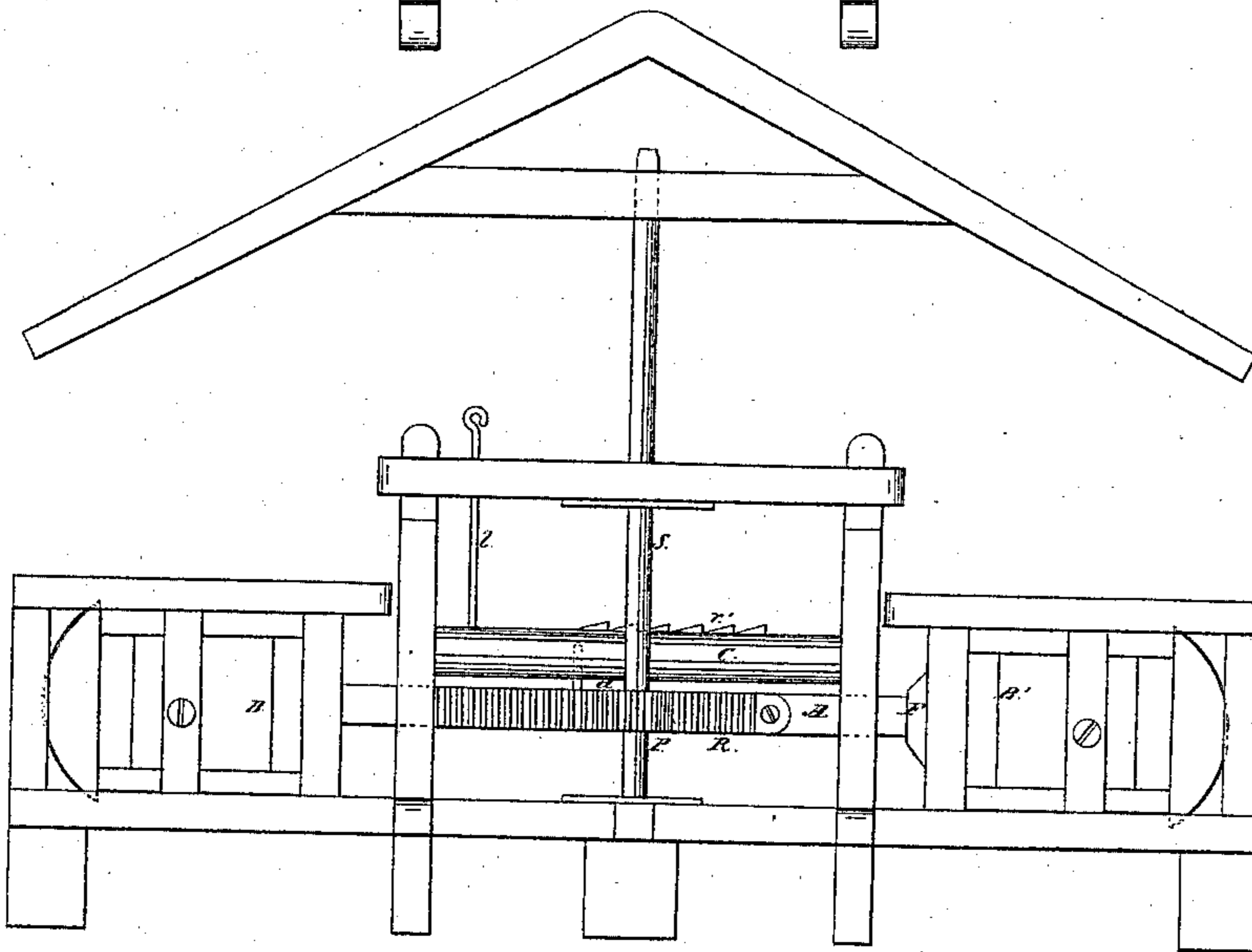
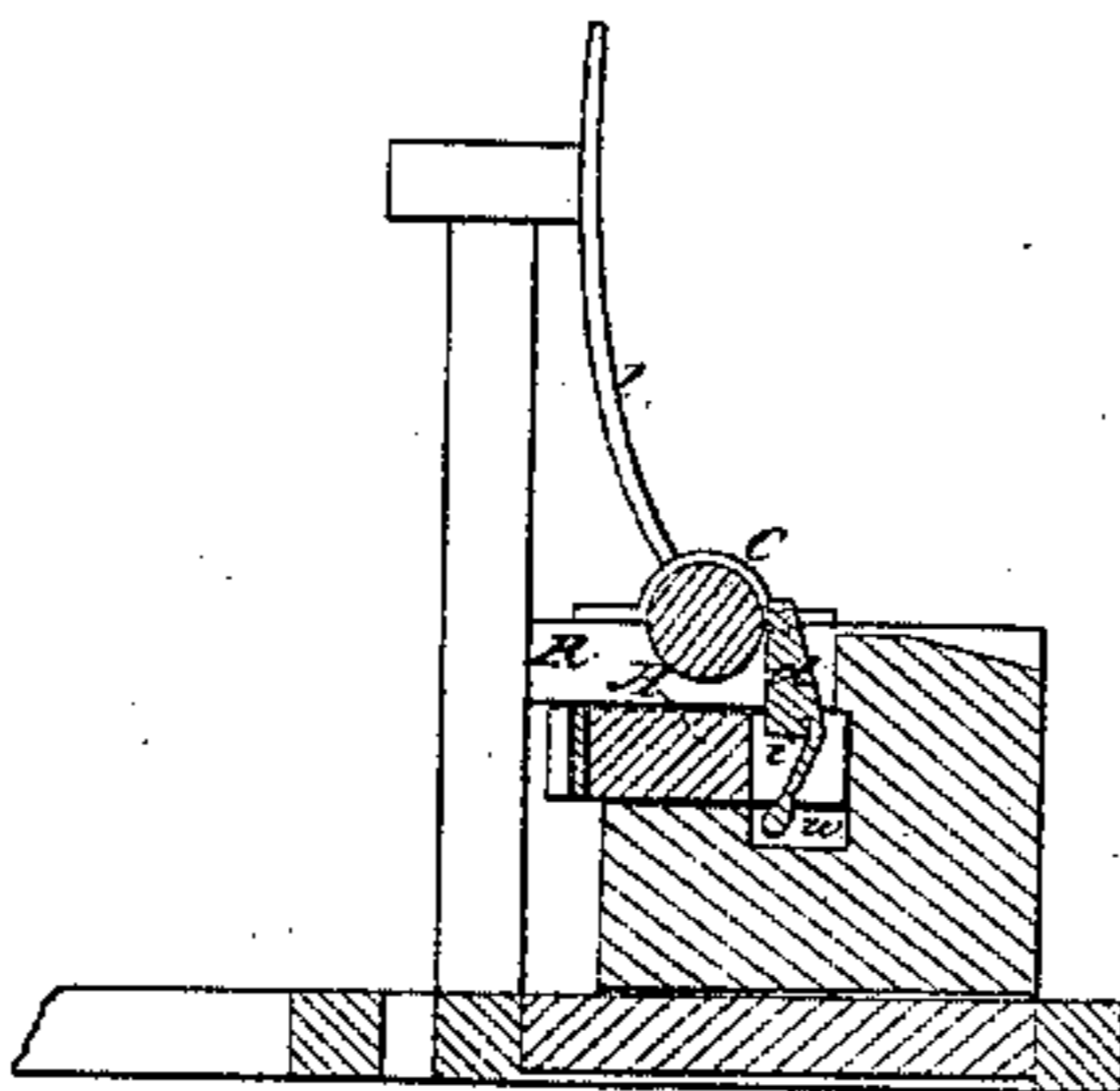


Fig 3.



Witnesses:
Jas B. Carey
Wm. Coffey

Inventor:
N. J. Lilly

UNITED STATES PATENT OFFICE.

N. I. LILLY, OF SELMA, ALABAMA.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. 23,180, dated March 8, 1859.

To all whom it may concern:

Be it known that I, NATHANIEL I. LILLY, of Selma, in the county of Dallas and State of Alabama, have invented a new and useful Improvement in Cotton-Presses; 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, forming part of this specification, in the several figures of which similar characters of reference denote the same part.

Figure 1 is a top view of the press. Fig. 2 is a side elevation. Fig. 3 is a cross-section of connecting-bar, showing weighted pawl.

This press is designed to press one bale at each extremity of the connecting-bar, both movements of which are therefore effectually utilized.

The nature of the invention consists in a peculiar combination of parts in the construction of the press, hereinafter to be set forth.

In the drawings, B B' are the boxes, swinging on trunnions for the purpose of filling, the pressing action taking place in a horizontal direction.

F F' are the followers, connected by a bar, A, carrying a rack, R, which, meshing with the pinion P on shaft S, effects the operation of the press.

Above the bar A and parallel therewith is a

shaft, C, held in bearings *a a* and turned by a lever, *l*. Upon this bar are opposite ratchets, *r r'*. Held against this shaft by the gravity of the weight *w* is a catch, *d*, hung in bar A on a pin, *i*, as seen in Fig. 3. As the follower moves into a box, the catch *d* will slip along the ratchet, and at any stoppage hold the follower. At the termination of the operation the catch holds until the bale is tied. Then by a movement of the lever *l* shaft C is turned, releasing the ratchet from the catch, and bringing the other ratchet within the action of said catch, which, being held against it by the weight *w*, acts in the same manner as the rack is moved in the other direction on a bale compressed in the other box.

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

The combination of the boxes B B', bar A, and followers F F', with the shaft C, having the opposite ratchets thereon, and the swinging weighted catch *d*, hung in the bar A, together with the rack R and pinion P, the whole operating as set forth.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

N. I. LILLY.

Witnesses:

GEO. PATTEN,

JOHN S. HOLLINGSHEAD.