

(No Model.)

2 Sheets—Sheet 1.

J. R. SHEPHERD.

PACKING ATTACHMENT FOR BALING PRESSES.

No. 277,619.

Patented May 15, 1883.

Fig. 1

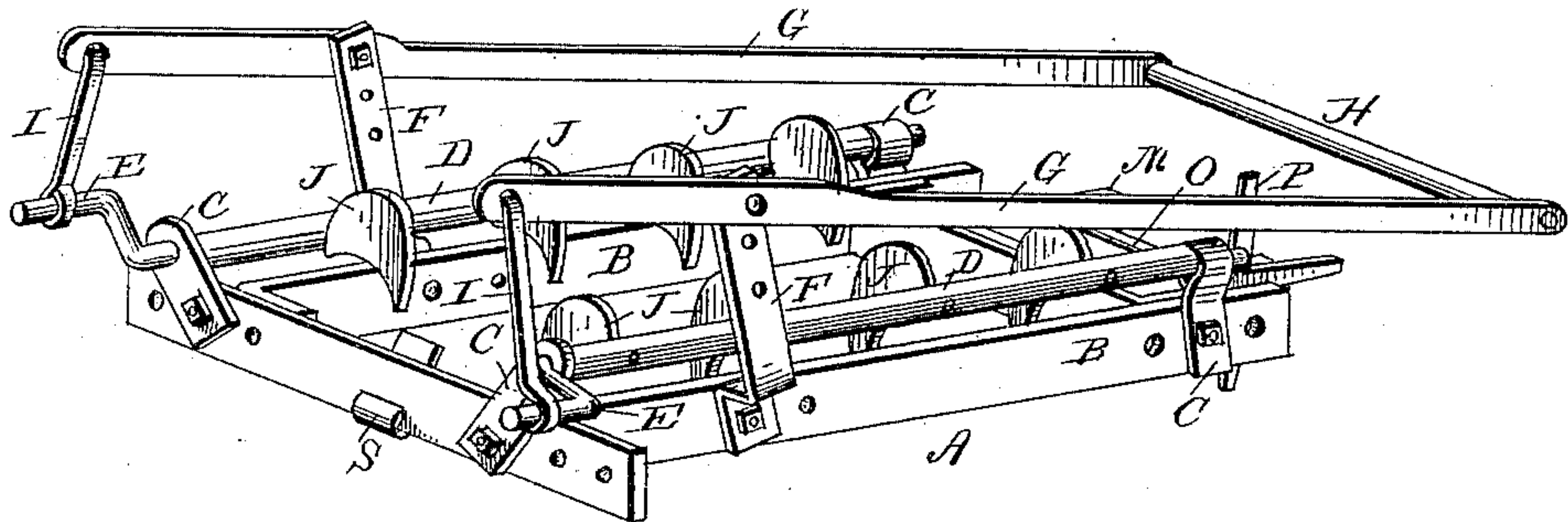
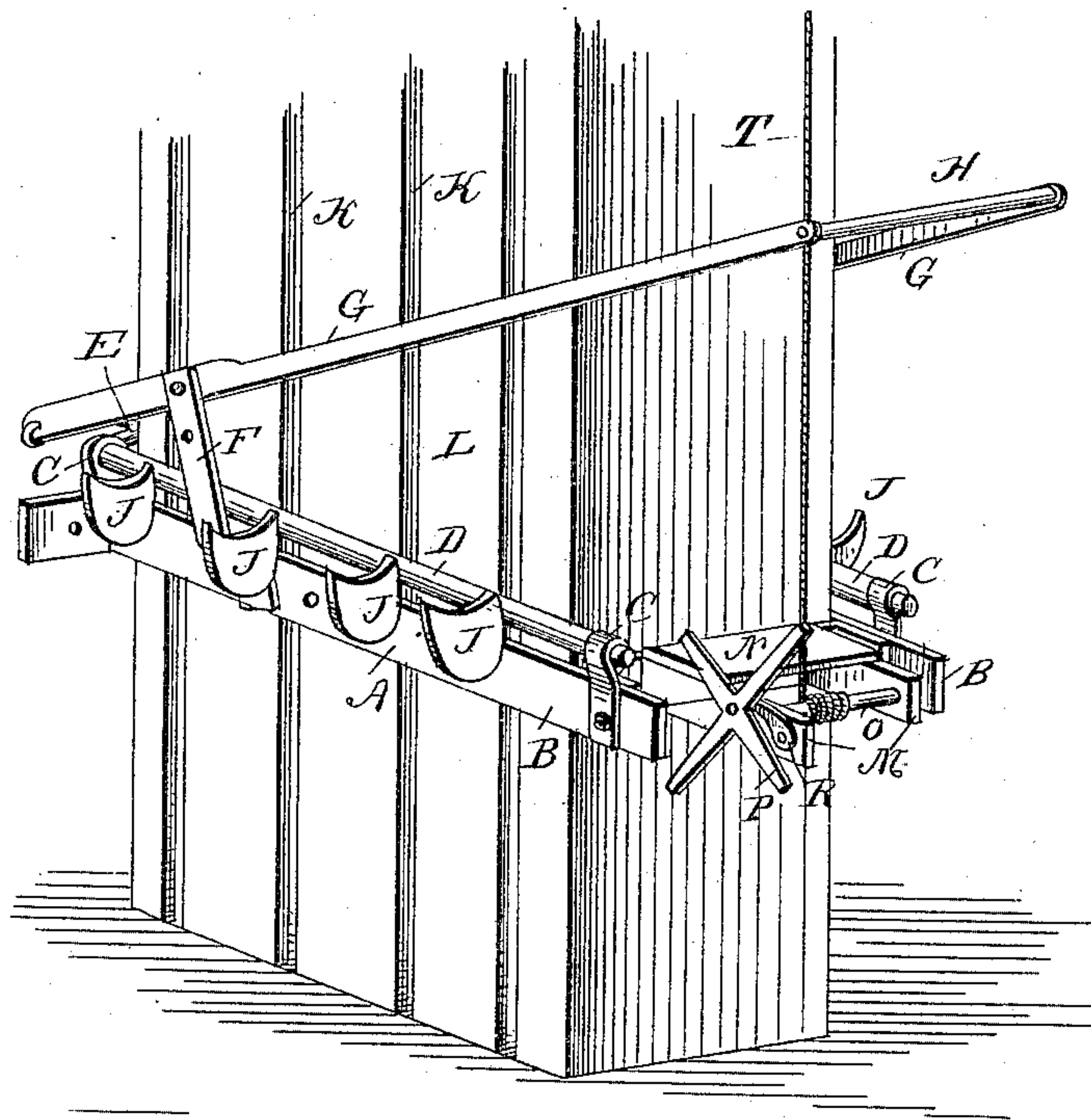


Fig. 2



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Fig. 3.

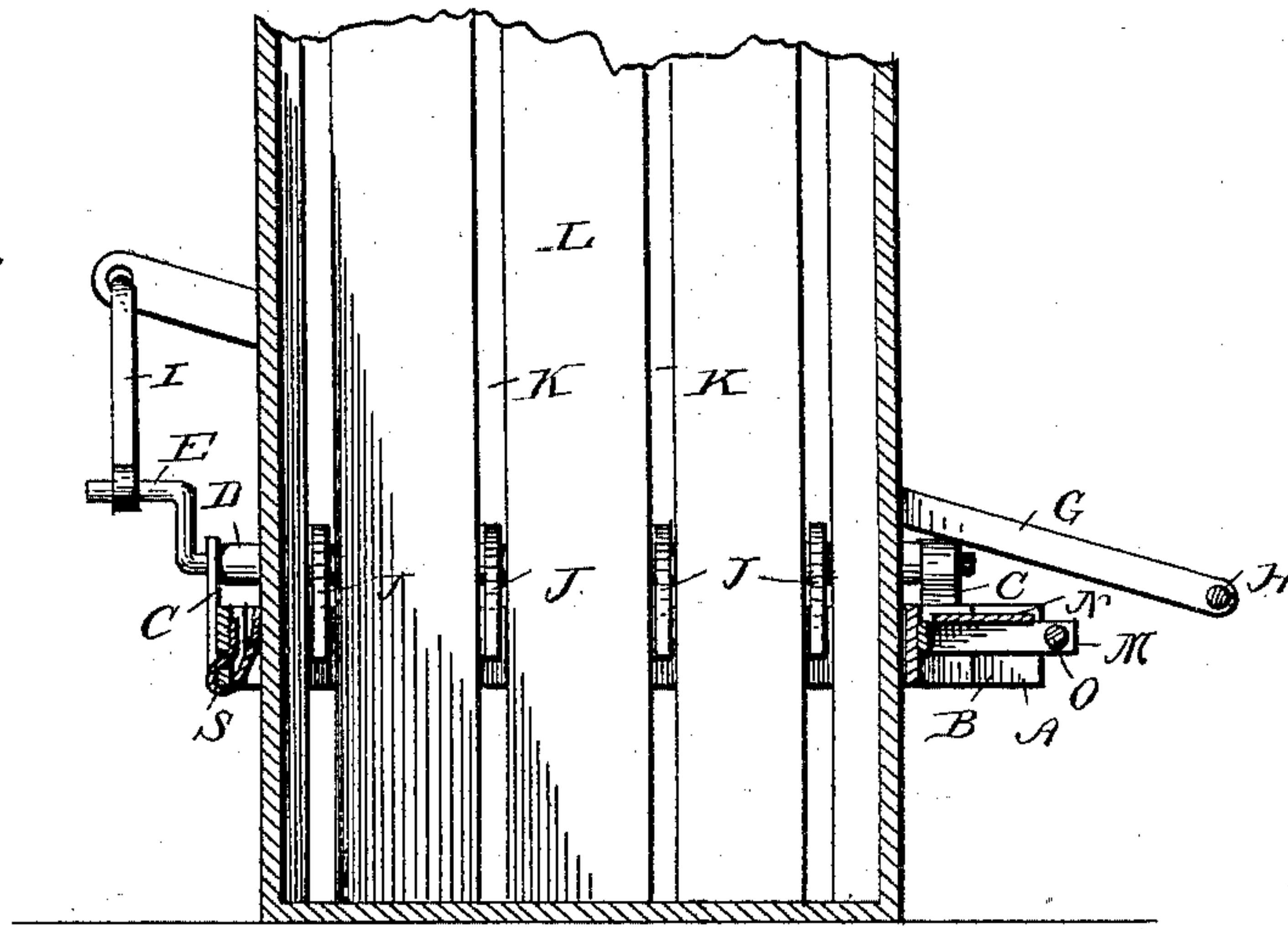


Fig. 4.

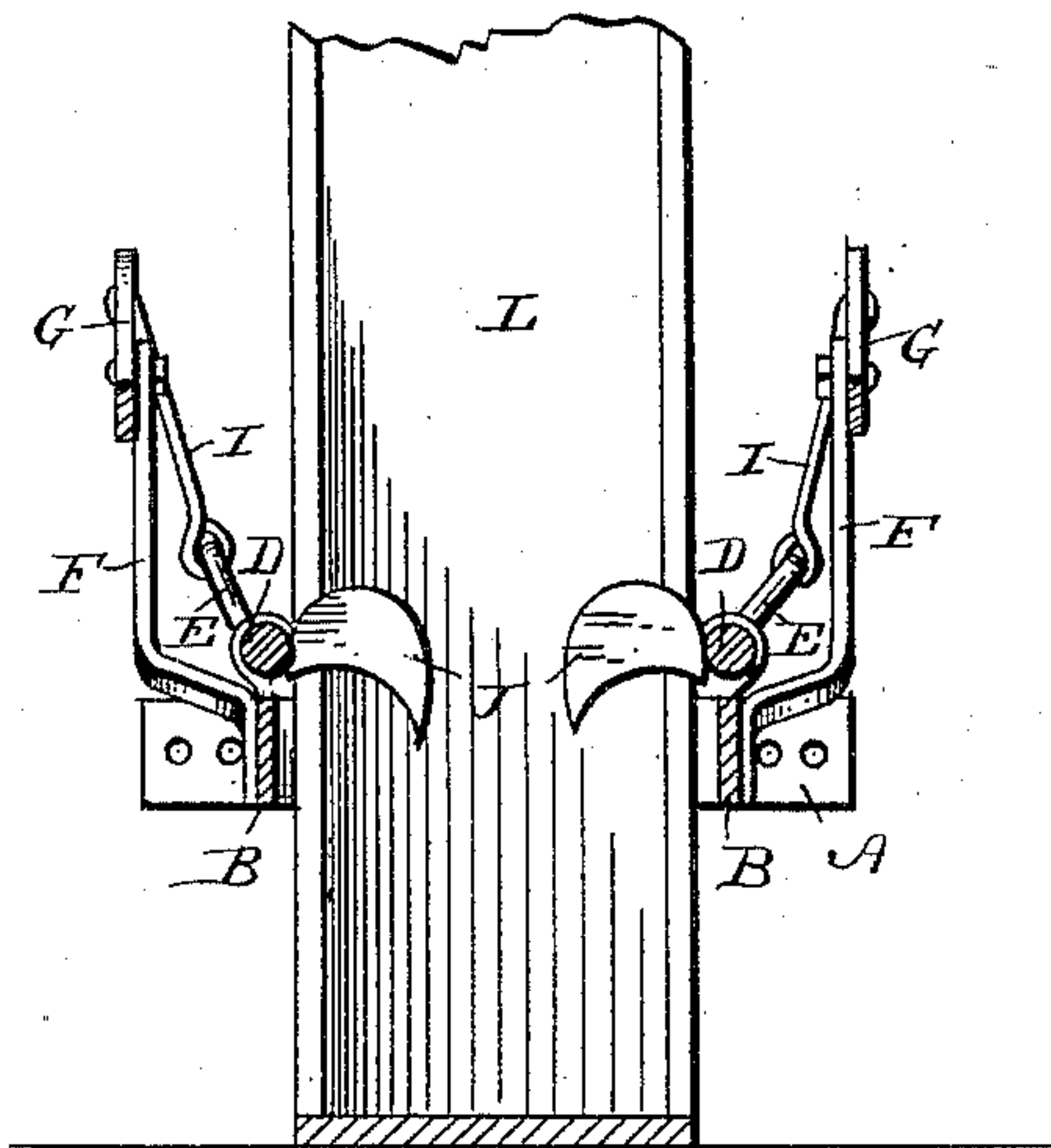
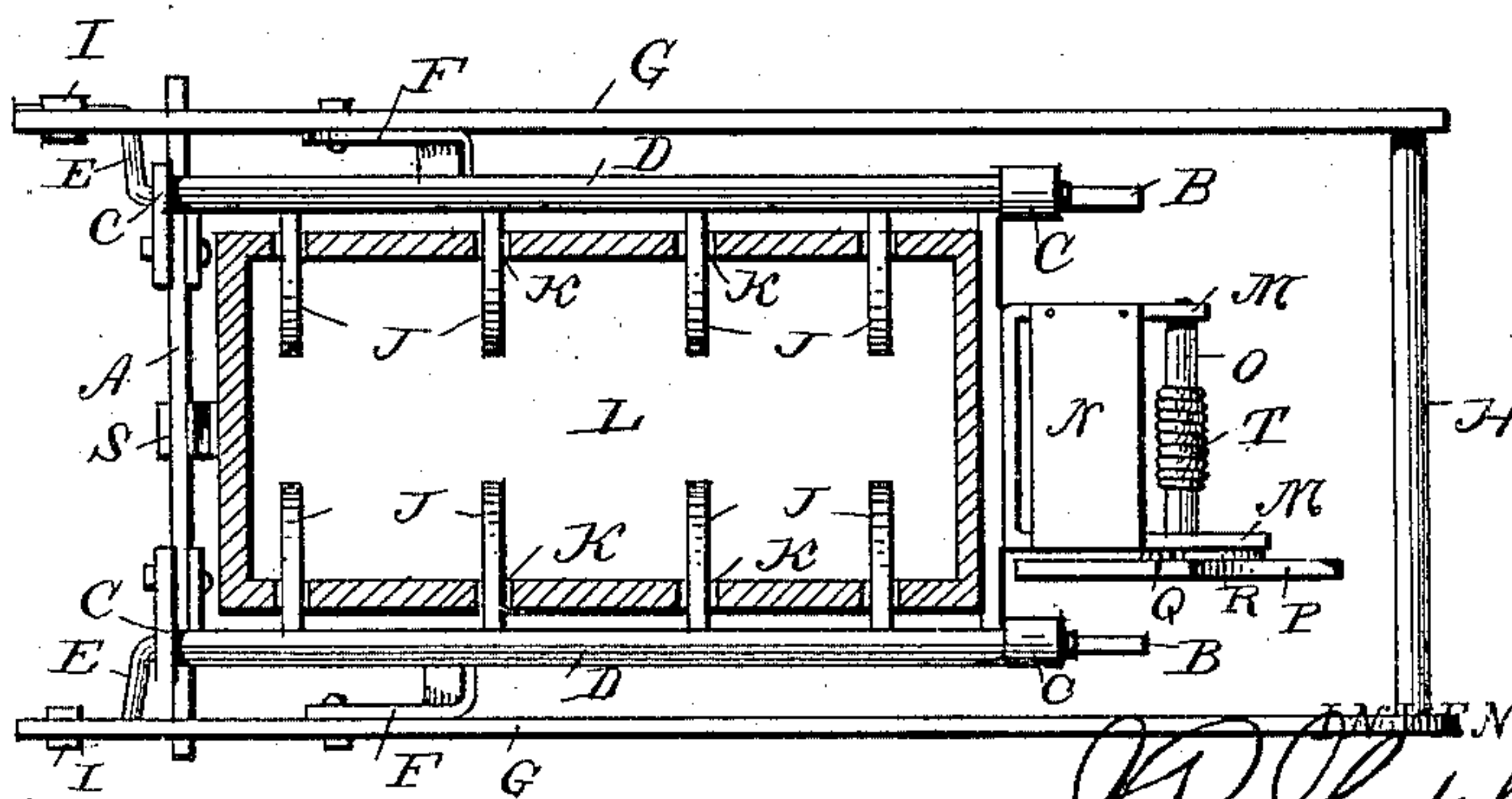


Fig. 5.



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# UNITED STATES PATENT OFFICE.

JAMES R. SHEPHERD, OF CLEBURNE, TEXAS, ASSIGNOR OF ONE-THIRD TO  
C. J. HOWE, OF SAME PLACE.

## PACKING ATTACHMENT FOR BALING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 277,619, dated May 15, 1883.

Application filed April 6, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES R. SHEPHERD, a citizen of the United States, residing at Cleburne, in the county of Johnson and State of Texas, have invented a new and useful Packing Attachment for Baling-Presses, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved cotton-packing attachment for baling-presses, the construction and operation of which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved packing attachment for baling-presses detached. Fig. 2 is a perspective view, showing the same attached to a baling-press in position for operation. Fig. 3 is a vertical longitudinal sectional view, showing the device in position. Fig. 4 is a vertical transverse sectional view, showing the device in position; and Fig. 5 is a horizontal sectional view taken through the frame of the device.

The same letters refer to the same parts in all the figures.

A in the drawings designates a suitable rectangular frame, the sides and ends of which are adjustably connected, so that the said frame may be fitted to press-boxes of various sizes. The sides B B of this frame are provided with upwardly-projecting boxes or brackets C C, forming bearings for the longitudinal shafts D D, which extend the entire length of the frame, and are provided at their rear ends with cranks E E.

F F are arms extending upwardly from the sides B B, near the rear ends of the latter, and to the upper ends of these arms are pivoted levers G G, the front ends of which are connected by a cross-piece or handle, H. The rear ends of the levers G are connected with the cranks E by pivoted rods or pitmen I. The levers are preferably pivoted adjustably to the arms F, in order that the fulcrum may be changed for the purpose of obtaining any power desired.

The inner sides of the rock-shafts D D are equipped with inwardly-projecting crescent-shaped packing-fingers J J, which are made

preferably of heavy plate metal. Vertical slots K are formed in the sides of the press-box L, through which these fingers may work.

The front end of the frame A is provided with brackets M, upon which a platform, N, is constructed, upon which the operator may stand while manipulating the device. The brackets M also form bearings for a transverse shaft, O, having at one end a sprocket-wheel, P, and a ratchet-wheel, Q, engaging a pawl, R, pivoted to one of the brackets for the purpose of preventing the shaft from revolving in a reverse direction. The rear end of the frame is provided on its inner side with a bent spring, S, serving to bear against the end of the press-box for the purpose which will be presently stated.

By raising the front ends of the levers G the packing-fingers may be thrown out from the sides of the frame, thus enabling the latter to be adjusted upon the press-box, as shown in the drawings. The transverse shaft O is connected by a rope, T, with the roof of the press-house.

When cotton is being packed in the box, the operator, who stands upon the platform N, may by operating the levers throw the packing-fingers in through the slots in the sides of the press-box, thus packing the cotton far more easily and compactly than could be done by stamping or otherwise. The packing-fingers, by pressing upon the cotton, serve to lift or raise the frame as the box becomes filled. By turning the sprocket-wheel with his foot the operator winds the rope T upon the shaft O, thus preventing the front end of the frame from sagging. The rear end of the frame is likewise kept from dropping or sagging by the friction of the spring S against the rear end of the press-box.

By means of this device the cotton may be packed in the press-box rapidly and compactly, the entire weight of the frame of the operator serving to press or pack it. The work may also be done far more evenly and with much less exertion and annoyance from dust than by the method of stamping now in vogue.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. The combination, with a vertically-slotted



press-box, of a vertically-sliding frame, the sides of which have rock-shafts equipped with packing-fingers, substantially as set forth.

2. In a packing attachment for bailing-presses, the combination, with a frame the sides and ends of which are adjustably connected, of rock-shafts journaled to the sides of the said frame, and having inwardly-projecting packing-fingers, substantially as set forth.

3. In a packing attachment for bailing-presses, the combination of a rectangular frame, rock-shafts journaled to the sides of the latter and having inwardly-projecting packing-fingers, and provided with cranks at their rear ends, the levers pivoted to arms at the sides of the frame, a cross-piece connecting the front ends of the said levers, and pivoted rods connecting their rear ends with the cranks at the rear ends of the rock-shafts, as set forth.

4. In a packing attachment for bailing-presses, the crescent-shaped plates forming packing-fingers and attached to the inner ends of the suitably-operated rock-shafts, as set forth.

5. In a packing attachment for bailing-presses, the herein-described frame, provided at its front end with brackets supporting a platform, and having a transverse shaft provided with a sprocket-wheel and a ratchet-wheel, in combination with a pawl engaging

the said ratchet-wheel, and a rope connecting the said shaft with the roof of the press-house, as and for the purpose set forth.

6. In a packing attachment for bailing-presses, the herein-described frame provided at its front end with means for supporting it at any desired elevation, and having its rear end provided with a friction-spring engaging the rear end of the press-box, as set forth.

7. The herein-described packing attachment for bailing-presses, the same consisting of an adjustable rectangular frame, rock-shafts journaled to the sides of the same and having inwardly-projecting packing-fingers, and provided with cranks at their rear ends, operating levers connected with the said cranks, means, substantially as described, for sustaining the front end of the frame, which has a platform for the operator at any desired elevation, and a friction-spring at the rear end of said frame, the whole constructed and operating substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES RANIE SHEPHERD.

Witnesses:

F. T. VICKERS,  
R. B. BISHOP.