

(No Model.)

G. W. ROBBURTS.

BALING PRESS.

No. 338,785.

Patented Mar. 30, 1886.

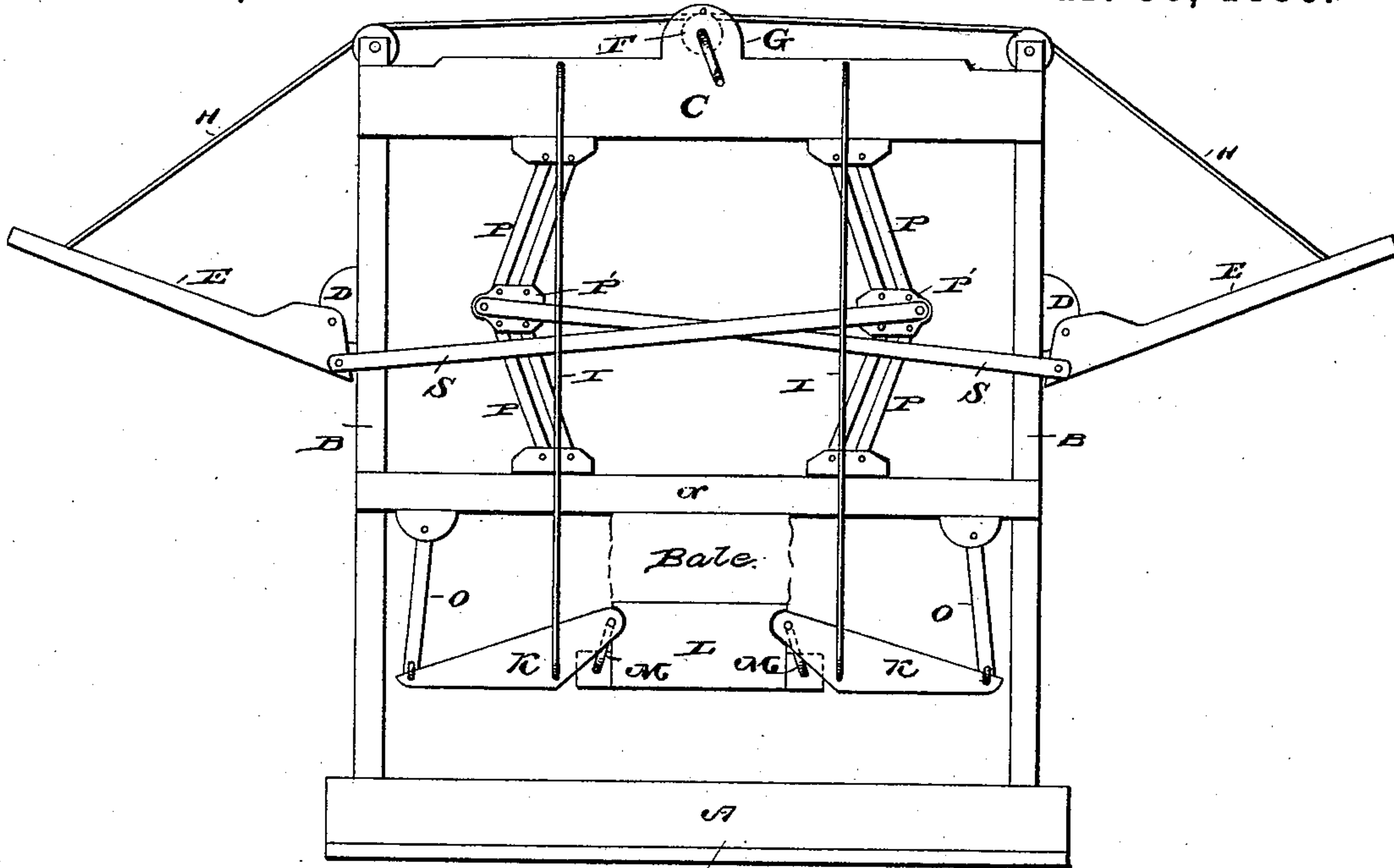
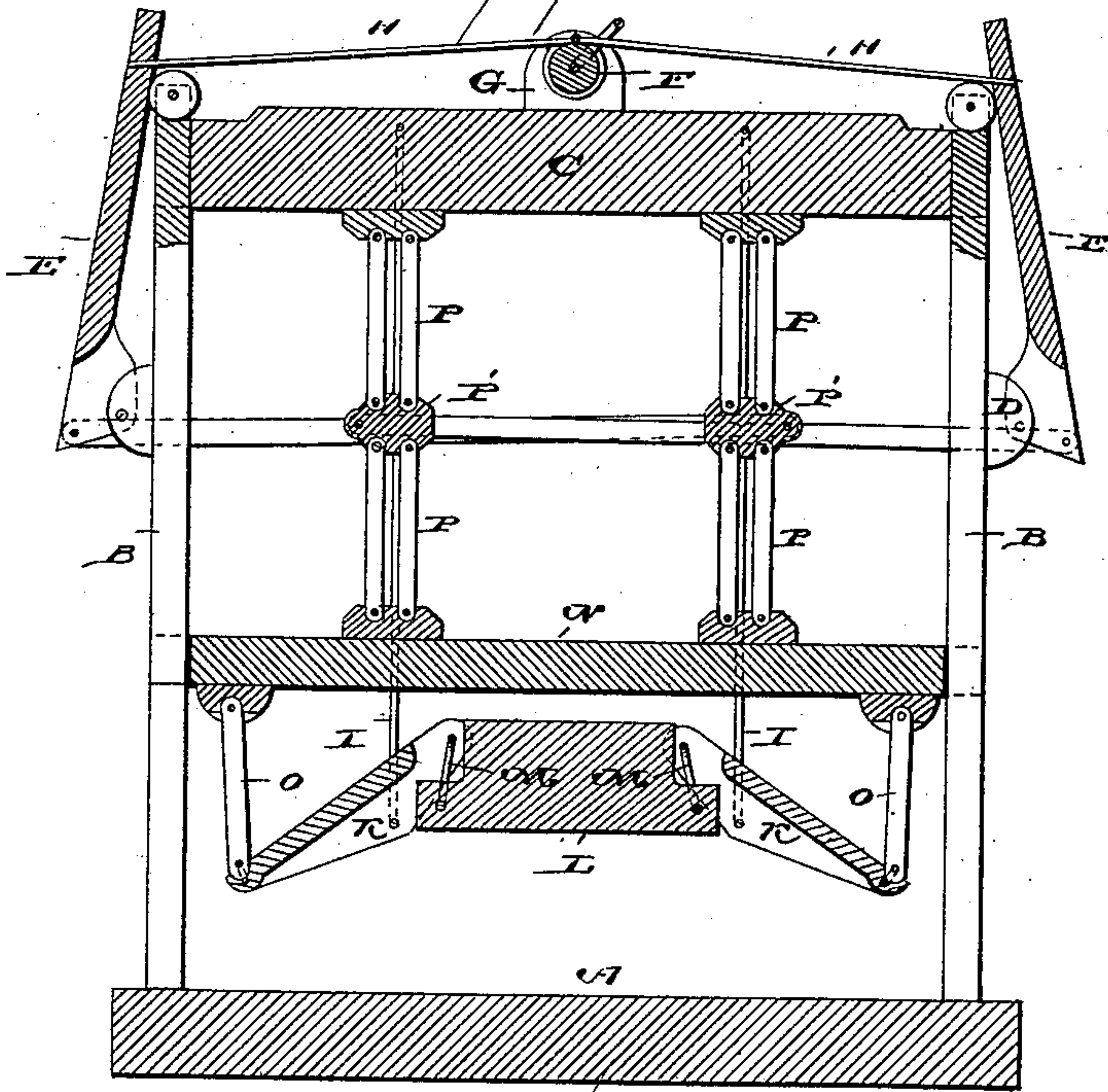


Fig 2.



File 2

Witnesses

Washlee  
J. Garner

Inventor

George W. Robbins

By His Attorneys

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# UNITED STATES PATENT OFFICE.

GEORGE W. ROBBURTS, OF ELMO, TEXAS, ASSIGNOR OF ONE-HALF TO  
JOHN E. POLK, OF SAME PLACE.

## BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 338,785, dated March 30, 1886.

Application filed January 13, 1886. Serial No. 188,421. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. ROBBURTS, a citizen of the United States, residing at Elmo, in the county of Kaufman and State of Texas, have invented a new and useful Improvement in Baling-Presses, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in baling-presses; and it consists in the peculiar construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is an elevation of my invention. Fig. 2 is a similar view of the same in another position.

A represents the base or sill; B, the vertical uprights, which are secured at their lower ends to the sill; and C, the cross-beam, which is secured to the upper ends of the uprights B. To the sides of the uprights, at a suitable distance from their upper ends, are bolted blocks D, to which are pivoted lever-arms E. A winch, *b*, is mounted in standards G, that project from the center of the cross-beam, and ropes H connect the winch and the outer ends of the lever-arms. The winch is provided with a crank or any other suitable means by which the winch may be rotated.

I represents stringer-rods, which are made of iron or steel, and are attached at their upper ends to the beam C, and reach nearly to the sill. To the lower ends of these stringer-rods are fulcrumed the levers K, the inner approaching ends of which are pivoted to the ends of the lower follower, L, by means of links M.

N represents the upper follower, which works between the vertical uprights, and has its outer ends connected to the outer ends of the levers K by means of connecting-rods O.

P represents double toggle-jointed levers, the upper ends of which are pivoted to blocks that are bolted to the under side of the beam C, and the lower ends of which are pivoted to blocks that are bolted on the upper side of the upper follower. The blocks P', that connect the jointed ends of the double toggle-levers, are connected to the lever-arms E by connecting-rods S.

When the press is in the position shown in Fig. 1, the arms E are lowered, the toggle-levers bent, the upper follower raised, and the lower follower lowered, ready to receive the cotton or other material to be baled. By turning the winch the arms E are raised, which straighten the toggle-levers and cause the followers to approach each other until they reach the position shown in Fig. 2.

A press thus constructed is simple, positive, and direct in operation, and is exceedingly powerful.

Having thus described my invention, I claim—

1. The combination of the follower N, and levers for moving it, with the follower L and the fulcrumed levers K, having their inner ends connected to the follower L and their outer ends connected to the follower N, whereby the said followers move simultaneously, substantially as described.

2. The combination of the frame or support, the lever-arms E, the follower N, the toggle-jointed levers connecting the said follower with the frame, and the rods connecting the joints of the said levers to the lever-arms, with the follower L and the fulcrumed levers K, having their inner ends connected to the follower L and their outer ends connected to the follower N, whereby the said followers move simultaneously, substantially as described.

3. The combination of the frame or support, the lever-arms E, the winch and the ropes connecting the said arms thereto, the follower N, the toggle-jointed levers connecting the said follower with the frame, and the rods connecting the joints of the said levers to the lever-arms, with the follower L and the fulcrumed levers K, having their inner ends connected to the follower L and their outer ends connected to the follower N, whereby the said followers move simultaneously when the winch is turned, substantially as described.

4. The combination of the frame or support, the lever-arms E, the follower N, the toggle-jointed levers connecting the said follower with the frame, and the rods connecting the joints of the said levers to the lever-arms, with the stringer-rods I, having their

upper ends attached to the frame, the levers  
K, fulcrumed to the lower ends of the said  
rods, and the follower L, connected to the  
inner ends of the levers K, the outer ends of  
5 the said levers being connected to the follower  
N, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in  
presence of two witnesses.

GEO. W. ROBBURTS.

Witnesses:

JOHN J. RUTLEDGE,  
J. M. RUTLEDGE.