

(No Model.)

E. FRANKLIN.

COMBINED COTTON PRESS AND GIN POWER.

No. 265,402.

Patented Oct. 3, 1882.

Fig. 1.

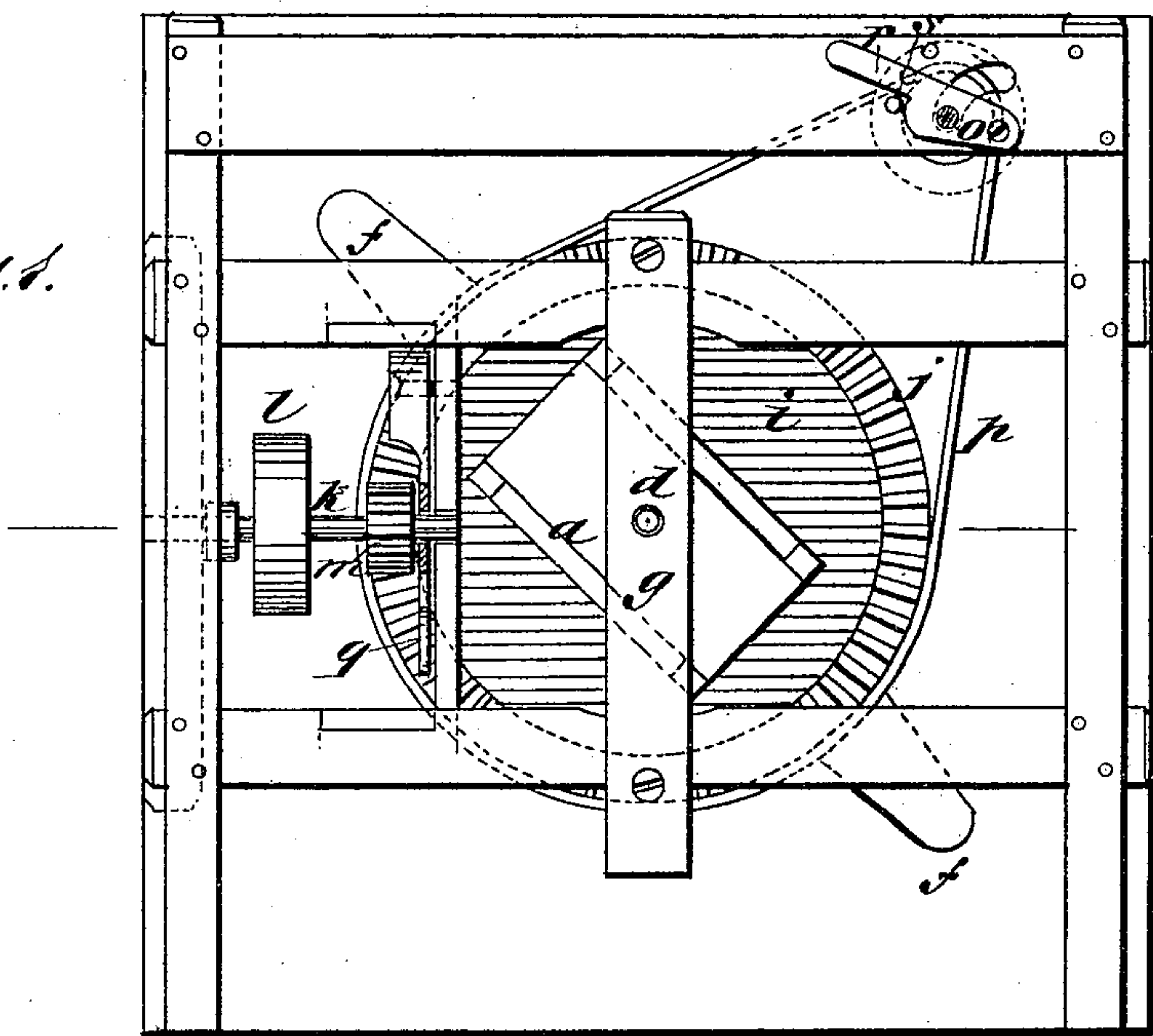
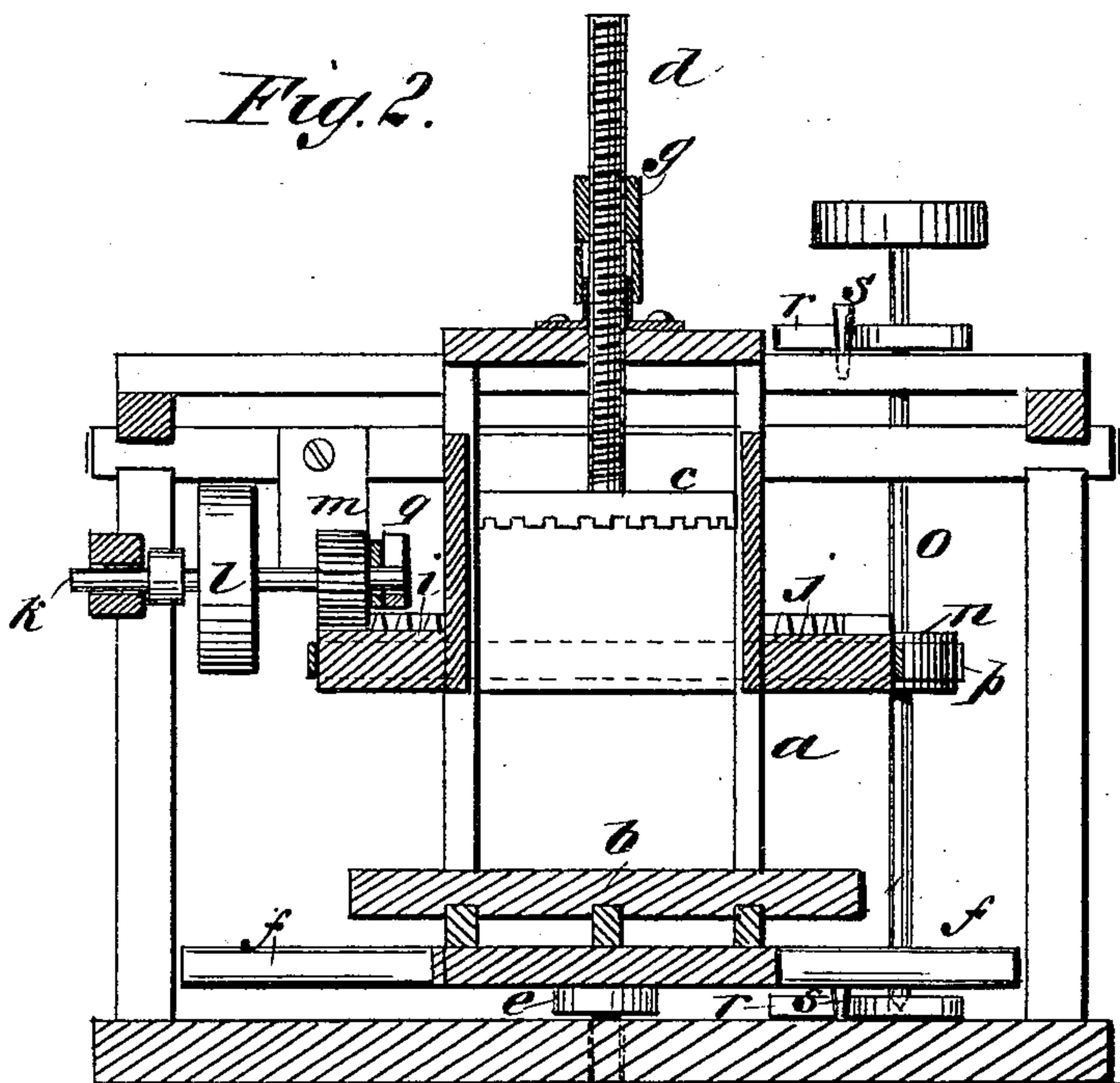


Fig. 2.



WITNESSES:

Francis McArdle,
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UNITED STATES PATENT OFFICE.

EDWARD FRANKLIN, OF THOMASVILLE, GEORGIA, ASSIGNOR TO HIMSELF
AND WILLIAM REYNOLDS, OF SAME PLACE.

COMBINED COTTON-PRESS AND GIN-POWER.

SPECIFICATION forming part of Letters Patent No. 265,402, dated October 3, 1882.

Application filed August 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD FRANKLIN, of Thomasville, in the county of Thomas and State of Georgia, have invented a new and Improved
5 Combined Cotton-Press and Gin-Power, of which the following is a full, clear, and exact description.

My invention consists of attachments to a horse-power cotton-press, whereby the same
10 power may also be utilized for driving the gin and other machinery, all as hereinafter fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in
15 which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a horse-power press with attachments as I propose for utilizing the same power mechanism that is employed for
20 the press to work the gin also and other machinery. Fig. 2 is a sectional elevation of the same.

My invention relates to that kind of a cotton-press in which the case *a*, head *b*, follower
25 *c*, and the screw *d* for working the follower are made to revolve on the vertical pivot *e* by the horses hitched to the sweep *f* for screwing the follower down in a stationary nut, *g*, attached to the frame above the press-case.

I propose to apply a drum or wheel, *i*, to the case of the press, with a cog-rim, *j*, for driving the counter-shaft *k* and pulley *l* by the pinion
30 *m* for a means of gearing with the cotton-gin to drive it, and I also construct said drum with a band-rim, *n*, to drive a vertical counter-shaft,
35 *o*, by a belt, *p*, for working a cotton-whipper

or other machinery, thus enabling me to utilize one power apparatus for accomplishing the work for which two have been used heretofore.

In order to disconnect the counter-shaft *k*
40 when working the press and not working the gin, I arrange one end of said shaft in the lever *q* for lifting and holding it out of gear when required, and I also propose to mount the shaft *o* in the shifting-levers *r* to be set by pins *s* for
45 tightening and slackening the belt *p*, as required.

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

1. The combination, with a power-press of the character herein described, of a drum or wheel, *i*, attached to the press-case and arranged for utilizing the power apparatus of the press for driving other machinery, substan-
55 tially as described.

2. The drum or wheel *i*, fixed to the press-case *a*, combined with a pulley-shaft, *k*, having gear *m*, the shaft being journaled in a lever, *q*, for being lifted out of gear with wheel *i*,
60 substantially as and for the purpose set forth.

3. The shaft *o*, journaled in levers *r*, pivoted in the frame, which is slotted to allow swing of the shaft for adjusting the tension of the drive-belt *p*, the levers being locked in posi-
65 tion by stop-pins *s* or equivalent device, substantially as shown and described.

EDWARD FRANKLIN.

Witnesses:

J. W. GROVER,
J. B. MCKINNON.