

JOHN M. SHAW, Sr.

Improvement in Combined Cotton-Press, Gin, and Horse-Power.

No. 127,276.

Patented May 28, 1872.

Fig. 1.

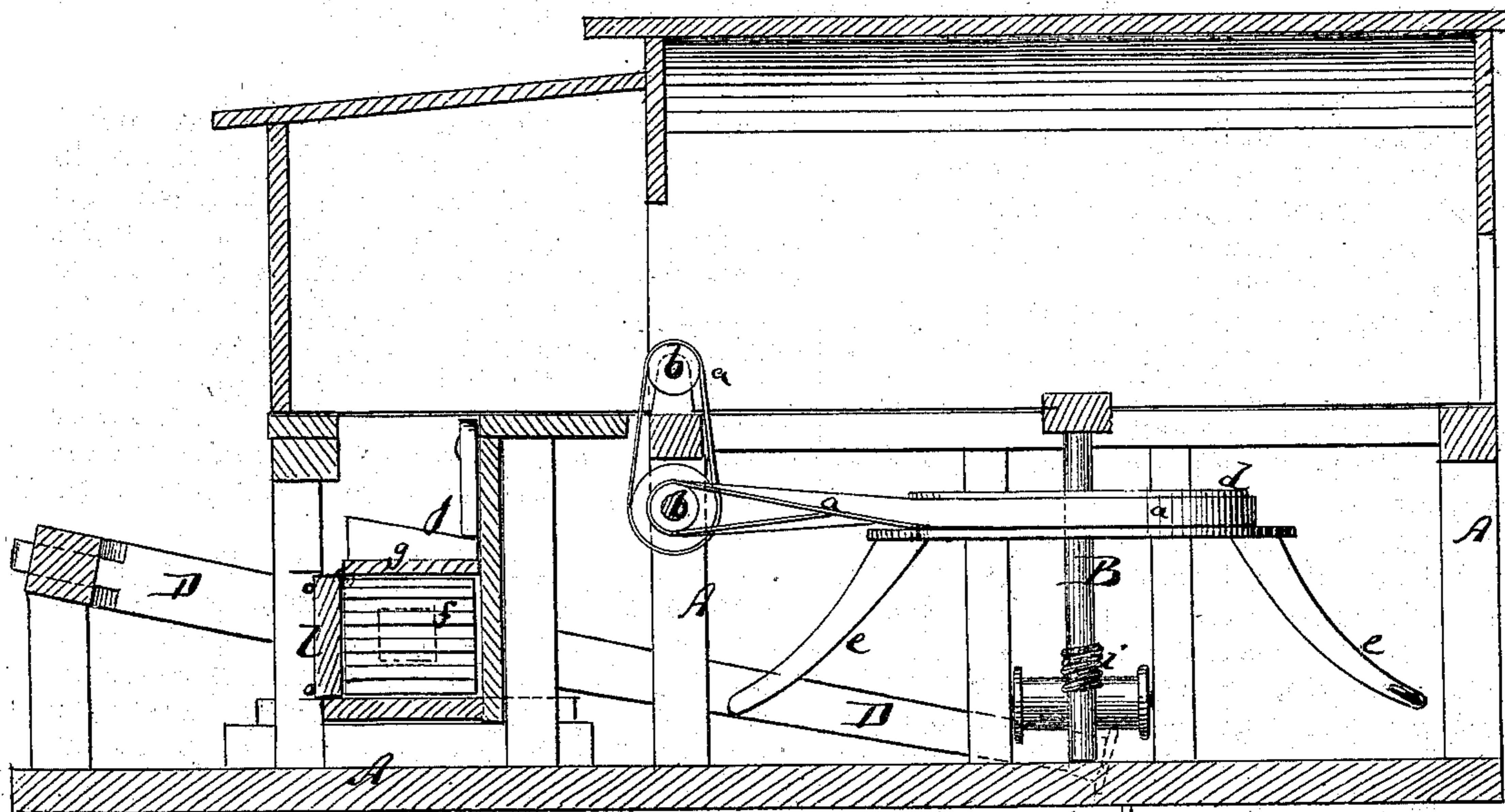
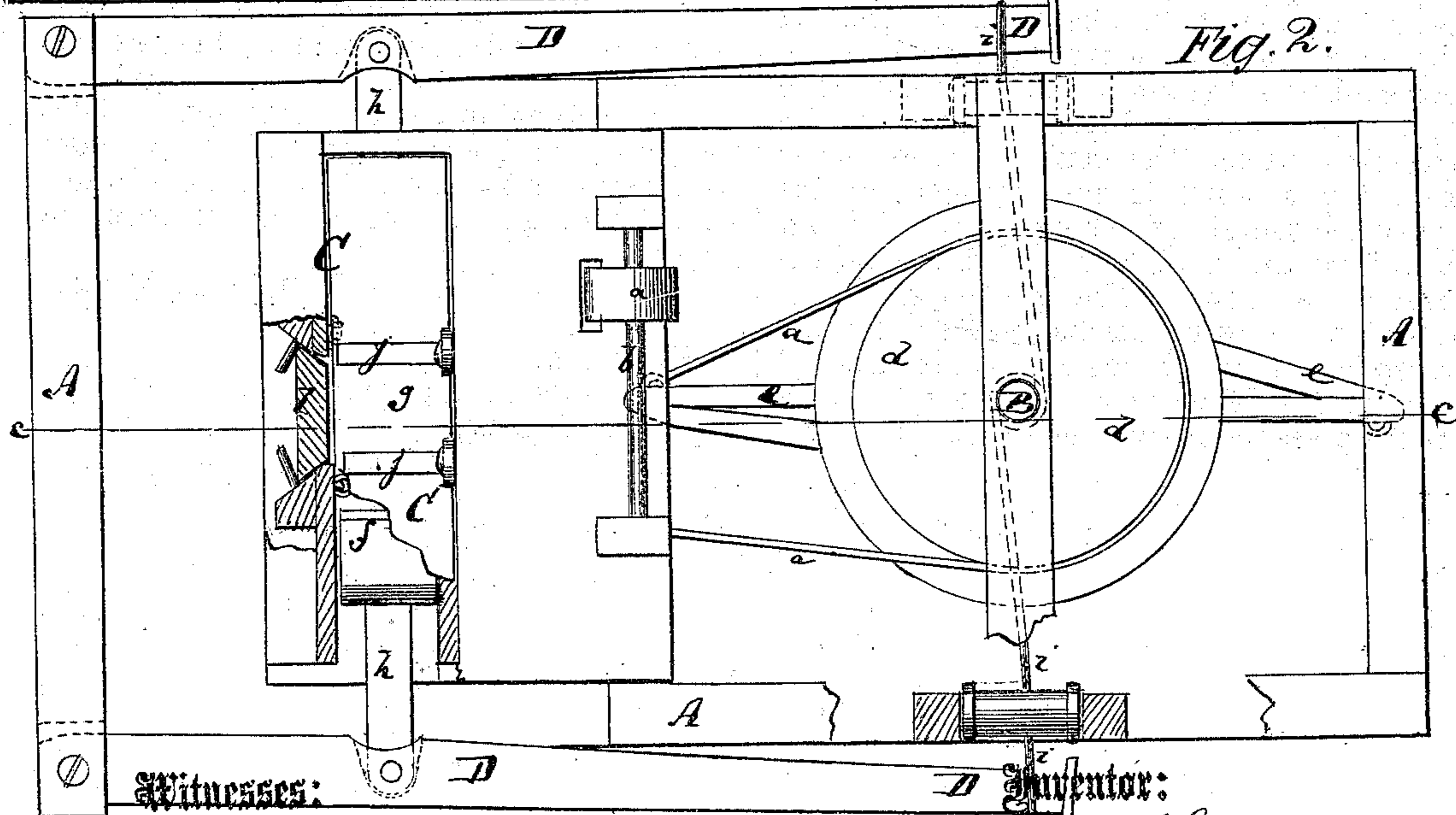


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN M. SHAW, SR., OF WATER VALLEY, MISSISSIPPI.

IMPROVEMENT IN COMBINED COTTON PRESSES, GINS, AND HORSE-POWERS.

Specification forming part of Letters Patent No. 127,276, dated May 23, 1872.

Specification describing a new and Improved Cotton Press, Gin, and Horse-Power combined, invented by JOHN M. SHAW, Sr., of Water Valley, in the county of Yalabusha and State of Mississippi.

Figure 1 represents a vertical section of my invention, the line *c c*, Fig. 2, indicating the plane of section. Fig. 2 is a plan or top view, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described in connection with all that is necessary to a full understanding thereof, and then clearly pointed out in the claim.

A in the drawing represents a frame-work, supporting a cotton-gin of suitable construction, the frame being made of wood, metal, or both, of proper form and size. B is the vertical driving-shaft for operating the gin. It is by belts, *a a*, and suitable countershafts *b*, connected with the gin in such manner as to impart the requisite degree of speed to the parts of the same. The shaft B carries a large wheel, *d*, from which levers *e e* project, for the application thereto of horse-power. The first belt *a* from the shaft B is placed around the wheel *d*, as shown. The gin, which is not shown in the drawing, discharges its cotton into a receptacle, C, which has removable ends, *f f*, and a removable cover, *g*. The ends *f f* constitute the press-followers, pressing the cotton be-

tween them. They are by shanks or rods *h* connected with long levers D D, which are, in turn, by ropes or chains *i i*, connected with the shaft B. By turning the shaft B the ropes *i* are wound around it, and both levers D moved to carry the followers *f* against the cotton and compress the latter into bales. The cover *g* is removed when the followers are apart and the press is to be charged. It is held in place by suitable catches or jaws *j j*. The face *l* of the press can be taken off when a bale is to be removed.

By combining the cotton-gin with the press so as to discharge directly from the former into the latter, much labor and space are economized. This feature, regardless of construction of parts, I regard the one of most vital importance in the invention, and of great benefit to the public.

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

The combination, with a cotton-gin and cotton-press, of a horse-power shaft, B, provided with ropes *i i*, the levers D D, and the followers *f f*, arranged as and for the purpose described.

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Witnesses:

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