

F. W. FLYNN.
Cotton-Gin Feeder.

No. 162,371.

Patented April 20, 1875.

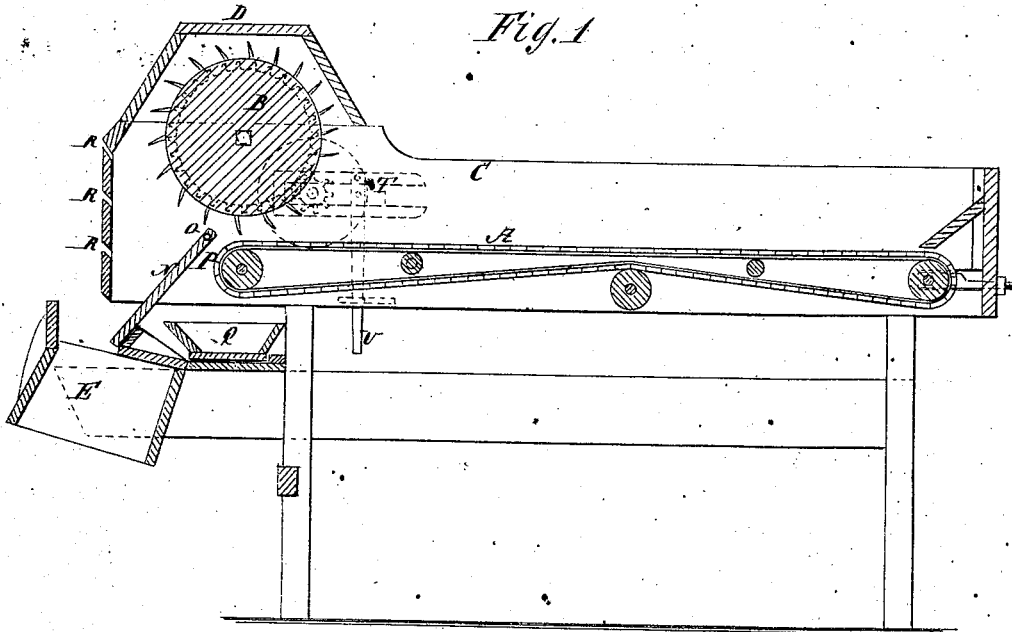


Fig. 1

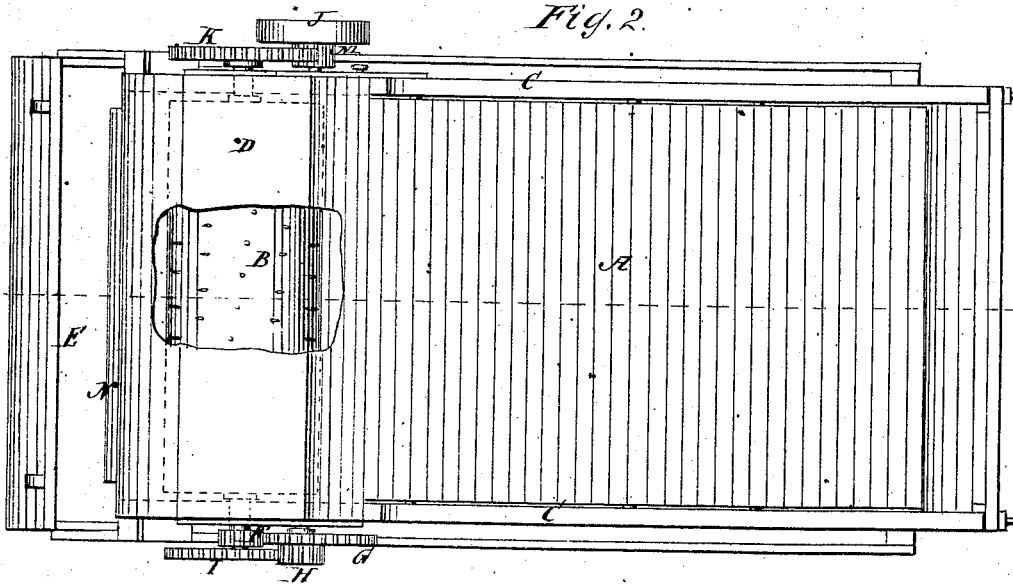


Fig. 2

WITNESSES:

E. Waugh
A. F. Terry

INVENTOR:

F. W. Flynn
BY *Miner*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FREDERICK WILLIAM FLYNN, OF GERMANTOWN, ASSIGNOR TO HIMSELF
AND WILLIAM H. LOCKWOOD, OF COLLIERSVILLE, TENNESSEE.

IMPROVEMENT IN COTTON-GIN FEEDERS.

Specification forming part of Letters Patent No. **162,371**, dated April 20, 1875; application filed
November 21, 1874.

To all whom it may concern:

Be it known that I, FREDERICK W. FLYNN, of Germantown, in the county of Shelby and State of Tennessee, have invented a new and Improved Cotton-Gin Feeder, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of my improved cotton-gin feeder, and Fig. 2 is a plan view with a part of the hood broken out.

Similar letters of reference indicate corresponding parts.

A is the endless bed, and B the revolving toothed drum, such as commonly used in a box, C, and hood D for feeding the seed-cotton to the breast E of the cotton-gin. These I now propose to gear together upon one side of the box by pinion F, wheel G, pinion H, and wheel I, in order to cause them to turn relatively to each other at the proper rate; and on the other side I gear the drum to the band-wheel J by the wheel K and pinion M, so that the feeder may be driven by a belt from the gin. These gears are so contrived, by arranging the shaft of the driving-pulley J and the shaft of the counter-wheel G and pinion H in the same relation to the drum-shaft, that they may be readily interchanged,

so that the driving-gear may be placed on either side, as may be required by the gin, which cannot always be arranged in the same relation to the feeder. This adapts the feeder to be applied readily to any gin. The driving-pulley shaft is arranged on a slide, T, which is shifted by a lever, U, for throwing the gin-feeder in and out of gear. N represents the apron which delivers the cotton from the feeder to the gin-breast. It is arranged a little in advance of the bed on a pivot, O, so as to turn freely to accommodate itself to the position of the breast, which has to be raised and lowered at times; also to make a space, P, through which the trash may fall and sand and dust may be blown by the drum into the trough Q below. R represents the ventilating-slots in the hood for the escape of the dust by the blasts generated by the drum.

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

The apron N, hinged at O, and arranged with respect to carrier A, breast E, and receiver Q, as and for the purpose set forth.

FREDERICK W. FLYNN.

Witnesses:

JAS. H. ROGERS,
J. A. HURT.