

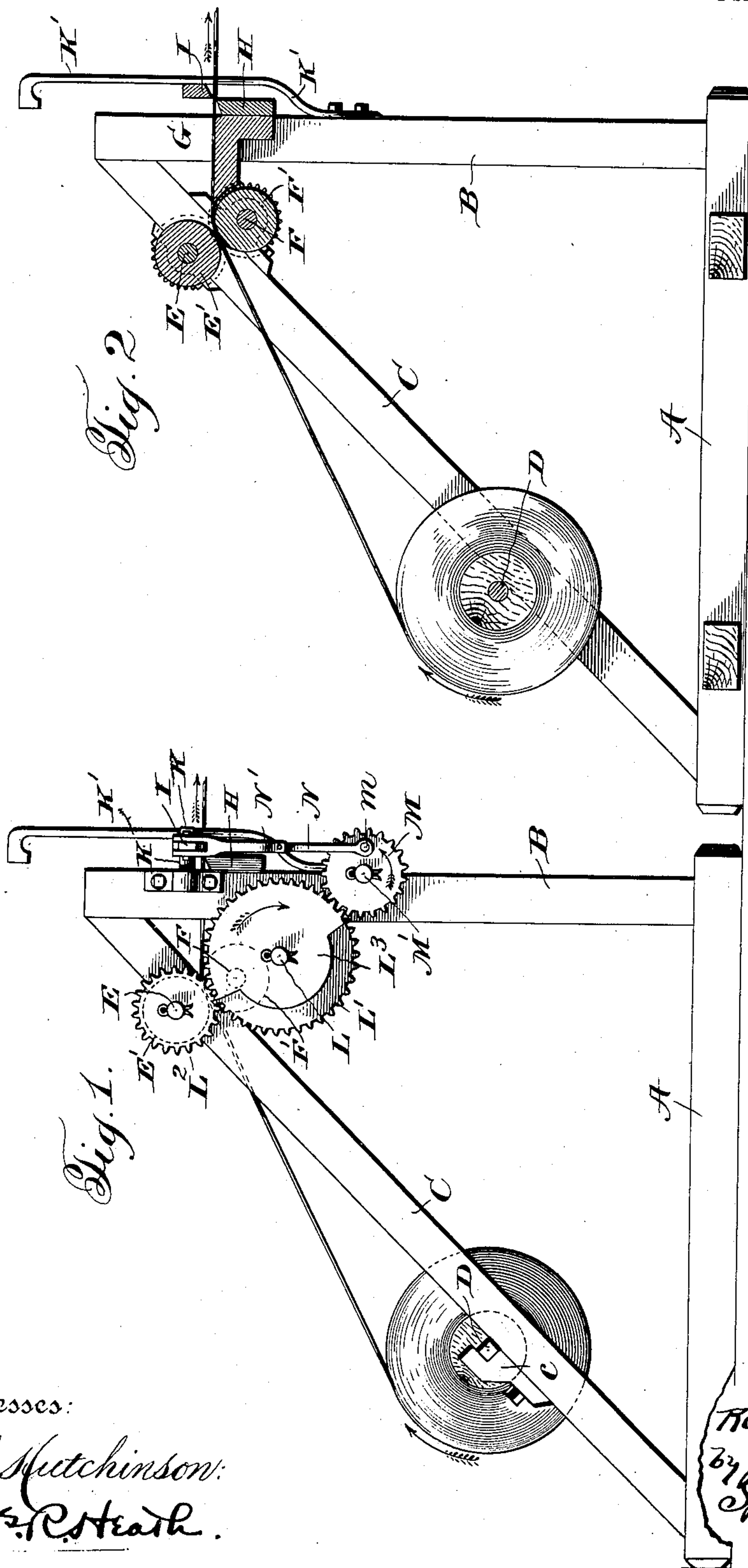
No. 880,194.

PATENTED FEB. 25, 1908.

R. CLARK.  
MACHINE FOR CUTTING BAGGING.

APPLICATION FILED MAY 28, 1907.

2 SHEETS—SHEET 1.



Witnesses:

*Jas. Hutchinson.*  
*Thos. R. Stead.*

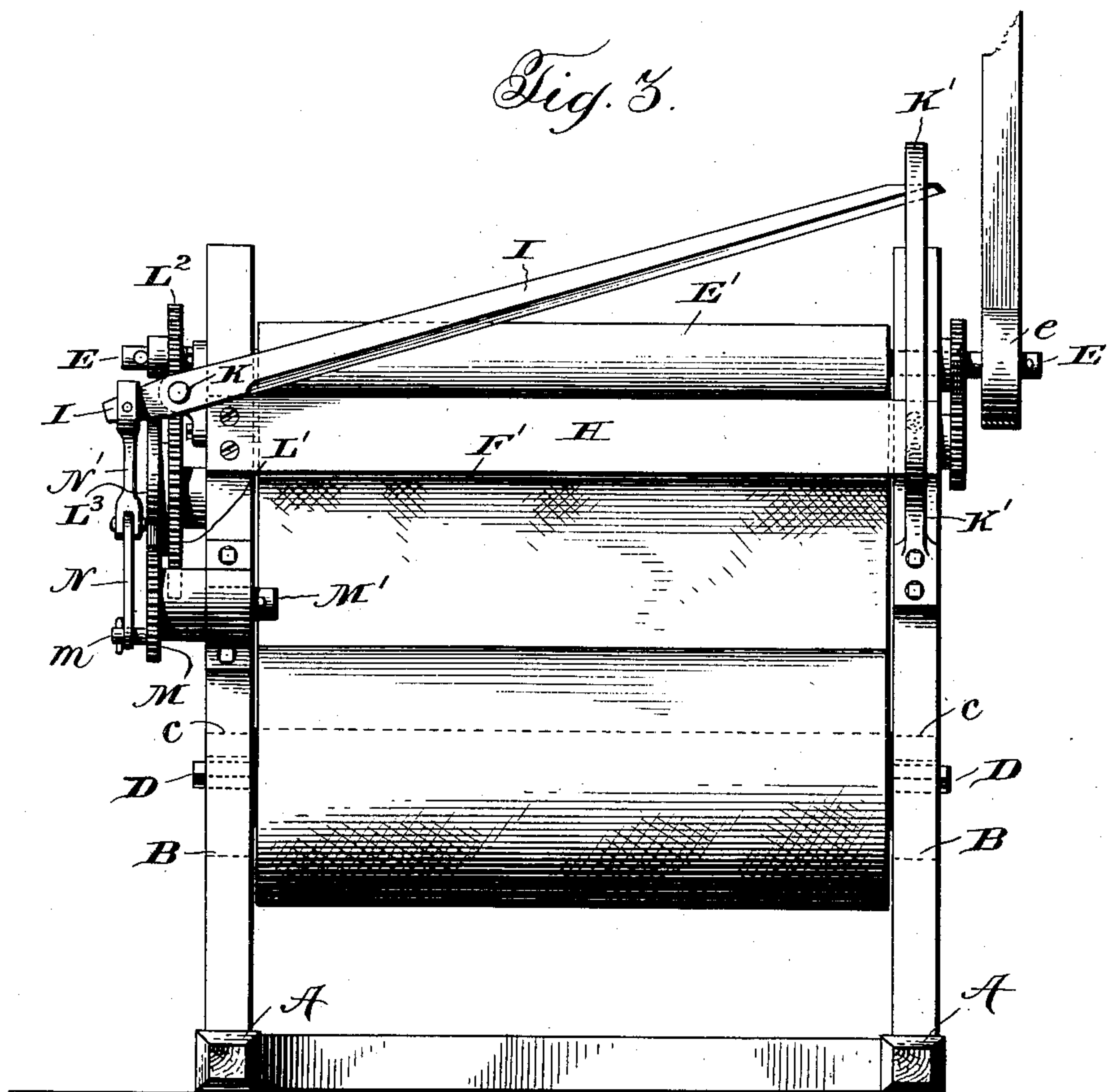
Inventor  
*Robert Clark*  
By *John W. Spellman*  
Attorney -

No. 880,194.

PATENTED FEB. 25, 1908.

R. CLARK.  
MACHINE FOR CUTTING BAGGING.  
APPLICATION FILED MAY 28, 1907.

2 SHEETS—SHEET 2.



Witnesses:

*Jas. Hutchinson.*  
*Thos. R. Strath.*

Inventor

*Robert Clark.*

*By John M. Spellman* Attorney.



# UNITED STATES PATENT OFFICE.

ROBERT CLARK, OF CHARLIE, TEXAS.

## MACHINE FOR CUTTING BAGGING.

No. 880,194

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed May 28, 1907. Serial No. 376,164.

*To all whom it may concern:*

Be it known that I, ROBERT CLARK, a citizen of the United States, residing at Charlie, in the county of Clay and State of Texas, have invented certain new and useful Improvements in Machines for Cutting Bagging, of which the following is a specification.

This invention relates to an improvement in cutting machines and more particularly to a machine designed to cut cloth or bagging into predetermined lengths for use in cotton presses.

The object of the present invention is the provision of a simple and efficient machine of this character, the operation of which is automatic, the cloth being continuously fed from a supply roll and cutting instrumentalities being intermittently actuated at predetermined intervals to sever the same into proper lengths.

A further object of the invention is the provision of a machine of this character which can be readily adjusted to obtain any desired length of cut.

Other objects of the invention will be apparent from the detailed description hereinafter, when read in connection with the accompanying drawings forming a part hereof wherein a preferable embodiment of my invention is shown and wherein like numerals of reference refer to similar parts in the several views.

In the drawings, Figure 1 is a side elevation of my improved machine. Fig. 2 is a longitudinal section thereof, and Fig. 3 is a front elevation thereof.

Referring now more particularly to the drawings the frame of my improved machine comprises base pieces A, A, which are designed to rest upon the ground and from the forward ends of which extend upwardly beams, B, B, the upper end of which are connected with the rear ends of the base beams A, A, by inclined beams C, C. Secured to the upper sides of the inclined beams C, C, adjacent the lower ends thereof are blocks *c, c* provided with squared openings therein which are designed to receive the squared ends of a shaft D, said shaft serving to support a spool or roll of bagging which is mounted to rotate freely thereon. Journaled in the forward ends of the inclined beams C, C of the frame of the machine are two superposed shafts E and F which carry rollers E' and F' between which the ends of the bagging upon the supply roll

is designed to be passed. The shaft E is provided at one end with a drive pulley *e* from which a belt extends to the gin or any suitable source of power. The shafts E and F are provided with gear wheels of equal size which are arranged to intermesh so that said shafts will be driven in unison.

G designates a table which extends between the beams B, B, of the frame and the rear edge of which extends into close proximity to the rolls E' and F' so as to receive the end of the bagging as it issues from between said rolls.

H designates a metallic shear plate which is secured at its ends to the beams B, B, of the frame of the machine and extends across the forward edge of the table G above referred to, said plate being designed to cooperate with a cutting blade to be hereinafter described to effect the severance of the bagging at the proper time.

I designates the cutting blade which is designed to cooperate with the shear plate H above referred to and is pivotally mounted adjacent its rear end upon a stud K projecting outwardly from a plate secured to one of the beams B, B, of the frame, the free end of said blade working within a guide K' secured to the other of the beams B, B.

L designates a shaft which extends transversely of the frame of the machine and is journaled in suitable bearings secured thereto in any desired manner. Detachably secured to one end of the shaft L so as to rotate therewith is a gear wheel L' which meshes with a gear wheel L<sup>2</sup> which is detachably secured to one end of the shaft E. The shaft L also has detachably secured thereto so as to rotate therewith a segmental gear L<sup>3</sup> which is arranged to periodically mesh with a gear wheel M which is secured to a shaft M' journaled in suitable bearings secured to the forward edges of the beams B, B below the blade I heretofore described. The segmental gear is provided with a sufficient number of teeth that it will periodically effect one complete rotation of the shaft M'. The gear wheel M which is carried by the shaft M' is provided eccentrically thereof with a wrist pin *m* upon which is loosely mounted the lower end of a link N, the upper end of which is pivotally connected to the lower end of a link N', the upper end of said last mentioned link being in turn pivotally connected to the rear end of the cutting blade I.

From the above described construction it



will be apparent that when the shaft E is rotated the rollers E' and F' will draw the bagging from off its supply roller and over the table H and that at regular intervals the blade I will be actuated to sever the same. The blade I is normally maintained in an elevated position to permit the bagging to pass between the same and the table as it is drawn off the supply roll by the feed rolls E' and F', and, as the segmental gear L<sup>3</sup> has just enough teeth to effect a complete revolution of the shaft M' when moved into the mesh with the pinion M, it will be apparent that when the segmental gear moves out of engagement with said gear the knife will always be left in its elevated position.

I do not desire to limit myself to the precise form and construction shown in the drawings, as it is obvious that many minor changes may be made thereto without departing from the spirit of the invention as defined in the appended claims.

What I desire to secure by Letters Patent is:

1. In a machine of the character described, a table a fixed cutting edge adjacent one edge thereof, a shaft carrying a feed roll, a pivoted cutter arranged to cooperate with said fixed cutting edge, a shaft for actuating said cutter, a gear carried by the cutter actuating shaft, a shaft provided with a segmental gear adapted to periodically engage the gear on the cutter actuating shaft, and gearing con-

necting said last mentioned shaft and the feed roll shaft.

2. In a machine of the character described, a table, a fixed cutting edge adjacent one edge thereof, a shaft carrying a feed roll, a pivoted cutter arranged to cooperate with said fixed cutting edge, a shaft for actuating said cutter, a gear carried by the cutter actuating shaft, a shaft provided with a segmental gear adapted to periodically engage the gear on the cutter actuating shaft and intermeshing gears removably secured to said last mentioned shaft and the feed roll shaft.

3. In a machine of the character described, a table, a fixed cutting edge adjacent one edge thereof, a shaft carrying a feed roll, a pivoted cutter arranged to cooperate with said fixed cutting edge, a link pivotally secured to said cutter, a shaft, a gear wheel carried thereby a link eccentrically pivoted to said gear wheel and connected to the before-mentioned link, a second shaft provided with a segmental gear adapted to periodically engage the gear on the first mentioned shaft, and gearing between the last mentioned shaft and the feed roll shaft.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT CLARK.

Witnesses:

WILLIE BEVERING,  
CHAS. CONNOLLY.