(No Model.)

L. P. BARNES.

BELT REEL FOR THRASHING MACHINES.

No. 292,530. Patented Jan. 29, 1884.

FIG. 1.

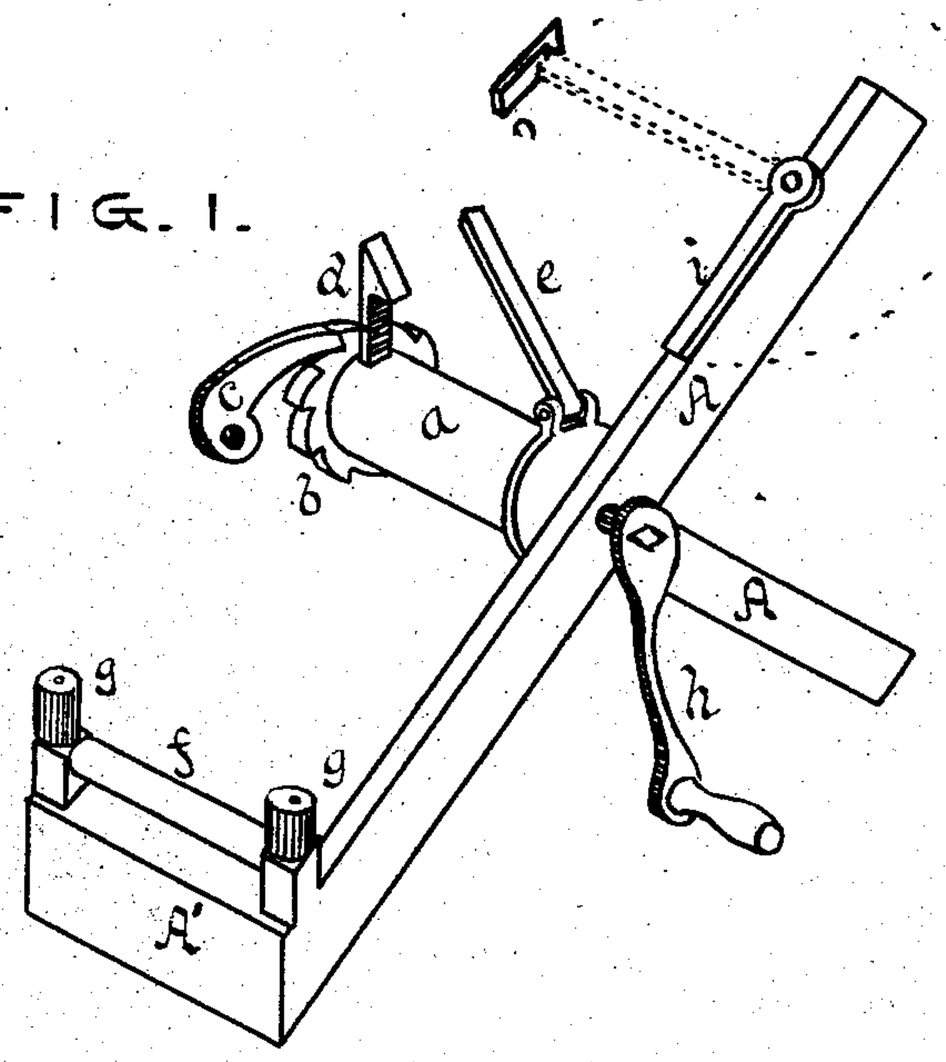
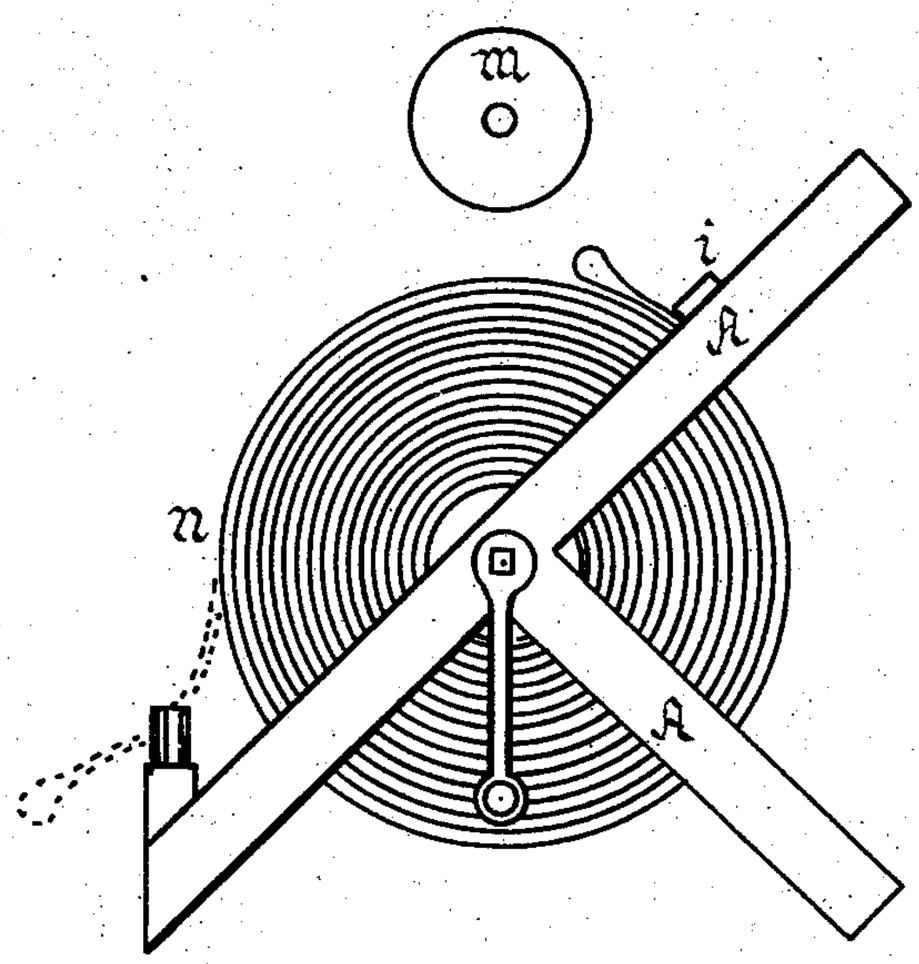


FIG. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

LEANDER P. BARNES, OF OREANA, ILLINOIS.

BELT-REEL FOR THRASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 292,530, dated January 29, 1884.

Application filed October 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, LEANDER P. BARNES, a resident of the county of Macon and State of Illinois, (post-office Oreana,) have invented certain new and useful Improvements in Belt-Reels for Thrashing-Machines; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention is designed to furnish a receptacle for the belt of a thrashing-machine while the same is not in use; and it consists in a suitable frame attached to the side of the thrasher in convenient proximity to the cylinder-pulley, said frame being provided with a drum, belt-clamp, guide-rollers, and belt-lock, all constructed and arranged substantially as hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my device, and Fig. 2 a side elevation of the same in position under the cylinder-pulley of the separator.

a is the reel-drum, provided with ratchet *b*, pawl *c*, spring-catch *d*, and hinged clamp *e*.

A is the frame, which may be made in various forms and attached to the separator in any suitable manner.

A′ is a portion of the frame that furnishes a support for horizontal roller *f* and vertical rollers *g g*.

i is a swinging bar, which is used to lock the belt *n* after the same has been wound up.

h is the crank by which the winding is effected.

m is the cylinder-pulley of the separator.

The operation consists in slipping the end of the belt over clamp *e*, which is then secured by being pressed under catch *d*. The drum *a* is then revolved by crank *h*, while the belt is drawn over roller *f* and guided by rollers *g g*. When the winding is completed, the lock is effected by passing bar *i* through the loop in the end of the belt and winding said belt as tightly as possible. The ratchet *b* prevents back motion, and bar *i* prevents forward motion in the reel. The lock may also be effected by swinging bar *i* around against the belt, as indicated in the drawings, catch *o* assisting in making the position permanent. To unwind the belt, pawl *c* is first disconnected from ratchet *b*.

As before stated, the reel-frame is attached to the side of the thrasher in convenient proximity to the cylinder-pulley, and this attachment will necessarily vary in differently-constructed separators.

I claim—

1. The combination, in a belt-reel for thrashing-machines, of frame A, drum *a*, clamp *e*, catch *d*, ratchet *b*, and pawl *c*, as and for the purpose set forth.

2. The combination of frame A, reel *a*, clamp *e*, and rollers *f* and *g g*, as and for the purpose set forth.

3. The combination, with frame A, reel *a*, clamp *e*, and ratchet and pawl *b c*, of lock-bar *i*, as and for the purposes set forth.

LEANDER P. BARNES.

Attest:

S. H. GARNER,

I. D. WALKER.