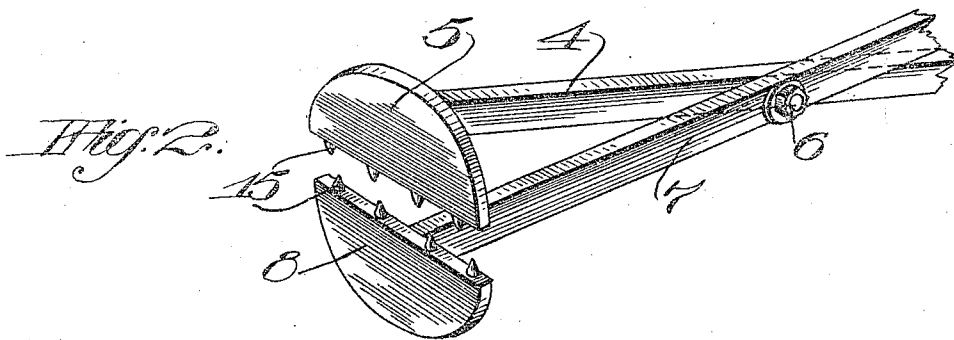
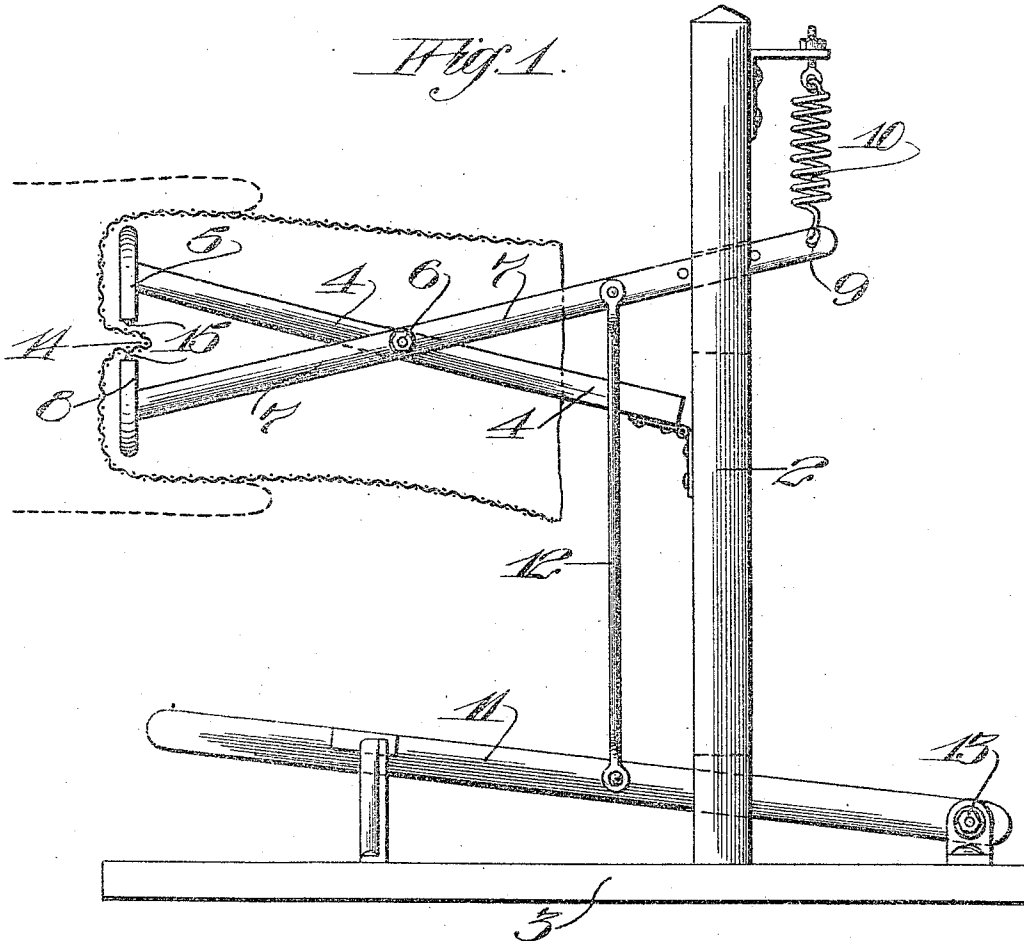


J. OGG.  
BAG TURNING MACHINE.  
APPLICATION FILED APR. 17, 1912.

1,042,367.

Patented Oct. 22, 1912.



Witnesses:  
Chas. Kestberg  
R. L. Bunn

Inventor:  
James Ogg  
By G. B. Strong  
Attorney

# UNITED STATES PATENT OFFICE.

JAMES OGG, OF PAHALA, TERRITORY OF HAWAII.

## BAG-TURNING MACHINE.

1,042,367.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed April 17, 1912. Serial No. 691,487.

To all whom it may concern:

Be it known that I, JAMES OGG, a subject of the King of England, residing at Pahala, in the District of Kau and Territory of Hawaii, have invented new and useful Improvements in Bag-Turning Machines, of which the following is a specification.

This invention relates to an apparatus for turning bags.

The object of the present invention is to provide an extremely simple and inexpensive apparatus whereby bags and sacks which may have contained granulated material or fine grain may be readily turned inside out.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawing, in which—

Figure 1 is a side elevation of the device. Fig. 2 is a perspective of the lever jaws.

In establishments and institutions where goods and divers materials are packed and unpacked in fabric sacks a great loss of the material occurs by its retention in the interstices of the fabric. It is desirable, when great numbers of the bags containing these various materials are emptied, that they be thoroughly shaken or cleaned so as to prevent loss which, when bags are used in great numbers, amounts to a considerable item.

To the end of providing an apparatus for thoroughly emptying the fabric containers and enabling them to be quickly reversed or turned inside out, I have provided a structure comprising a frame or post 2 which may be attached to a suitable platform 3; there being hinged or otherwise suitably connected to the post 2 a lever or bar 4, on the outer end of which is provided a combined spreader and jaw 5. Pivoted upon the bar 4 at 6 is a coöperative lever 7, having on its end adjacent to the jaw 5 of the arm 4 a complementary jaw and spreader 8. The opposite end of the lever 7 extends through a slot or groove in the post 2 and is connected at 9 to a contractile spring 10 appropriately connected to the post 2; the function of the spring 10 being to normally pull the rear end of the lever upwardly thus expanding or separating the jaw spreaders 5 and 8.

In operation a sack to be turned is slipped over the jaws 5 and 8, which for the time

being are moved toward each other by a pressure on the foot lever or pedal 11. The latter is connected by a link 12 to the lever arm 7 and is pivoted at 13 to the support 3. After the bag has been passed sufficiently over the projecting arms 4 and 7 so that the bottom of the bag is stopped by the jaws 5—8, the bottom of the bag is dented in to form a bight 14 to be caught by the teeth 15 on the adjacent jaws 5—8; the pedal 11 being operated so as to cause the jaws to grip and hold the bottom bight of the bag. Then the mouth of the bag is pulled back until completely turned. Next shake the bag while the bottom is still held by the jaws. Then release the pedal and the machine is ready for another bag.

In practice it has been found a great convenience and labor saver and makes a much cleaner job for the operator than doing it all by hand. In the case of fertilizer bags it is hard to get labor to stay at this work. With this machine a boy can do as much bag turning as three men would do.

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

1. A bag turner comprising a pair of approximately centrally pivoted levers carrying coacting jaws at one end, one of the levers pivoted to a support, the other lever having its inner end yieldingly supported so as to normally expand the jaws, and means for operating the levers to close the jaws.

2. A bag turner consisting of a vertical support, a lever pivoted at one end to the support and extending horizontally, a second horizontally extending lever pivoted to the first named lever, the second lever having its rear end working in a vertical guide in said support, a spring normally lifting the guided end of said lever, coacting jaws carried at the front end of the levers, and means acting on the levers to close the jaws.

3. A bag turner consisting of a pair of levers pivoted together and having a pair of coacting bag gripping jaws, said jaws and levers constructed and arranged so that a bag may be slipped over them, one lever pivoted to a suitable support, means for holding the jaws normally open, and means for operating the levers to close the jaws to grip a bag and allow the bag to be turned inside out.

4. A sack turning apparatus comprising

a pair of connected levers over which a bag may be extended, having bag expanding and gripping members at their outer ends, means for normally expanding said members, a  
5 support upon which the members are mounted, and a foot pedal connected with one lever to close the gripping members.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES OGG.

Witnesses:

HENRY GLASS,  
EDWARD TODD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."