W. M. FRANSECKY.

APPARATUS FOR BAGGING CHARCOAL.

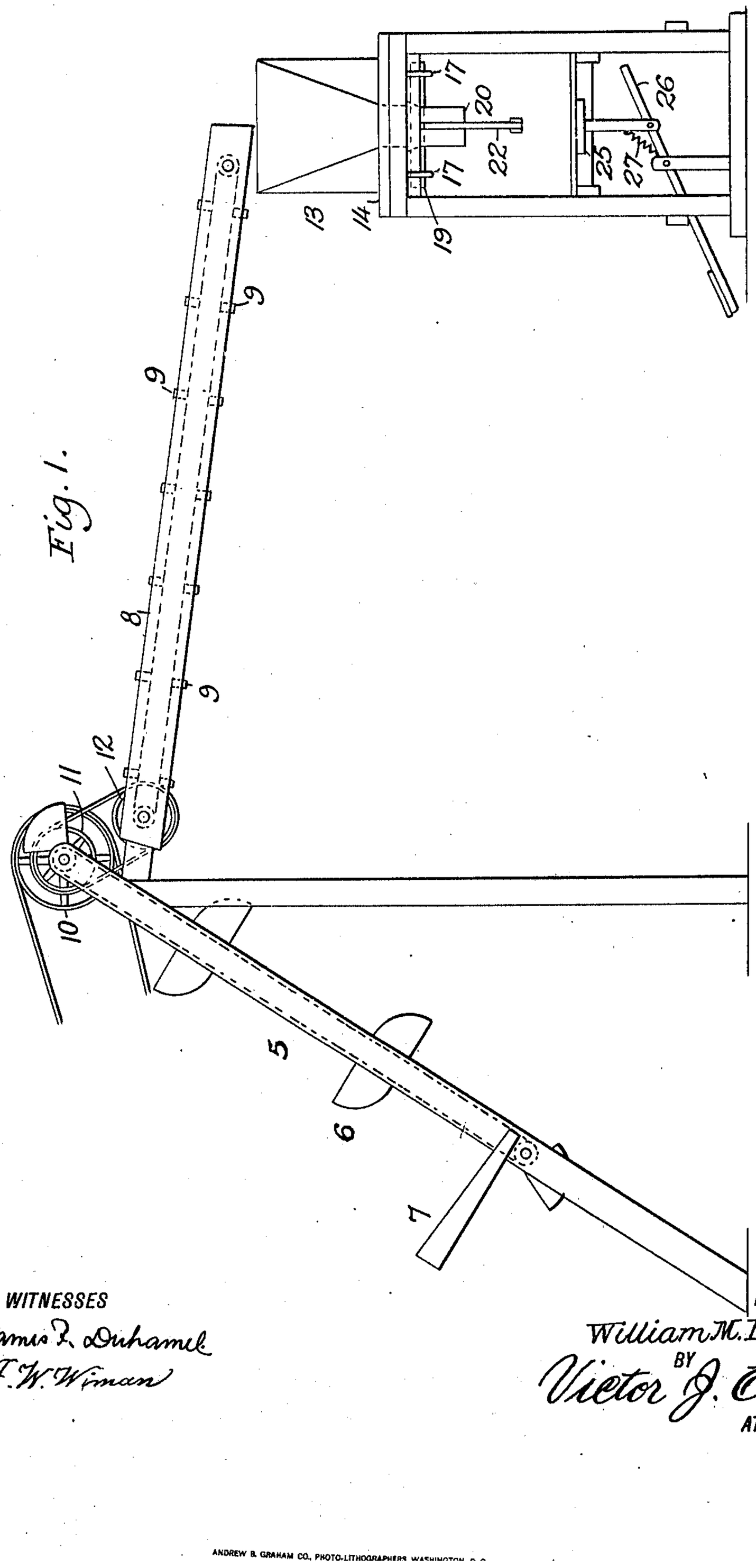
APPLICATION FILED MAR. 12, 1909.

952,987.

Patented Mar. 22, 1910.

2 SHEETS—SHEET 1.

Fig. 1.



WITNESSES

James F. Duhamel

F. W. Wiman

INVENTOR

William M. Fransecky

BY

Victor J. Evans

ATTORNEYS

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2 SHEETS—SHEET 2.

Fig. 2.

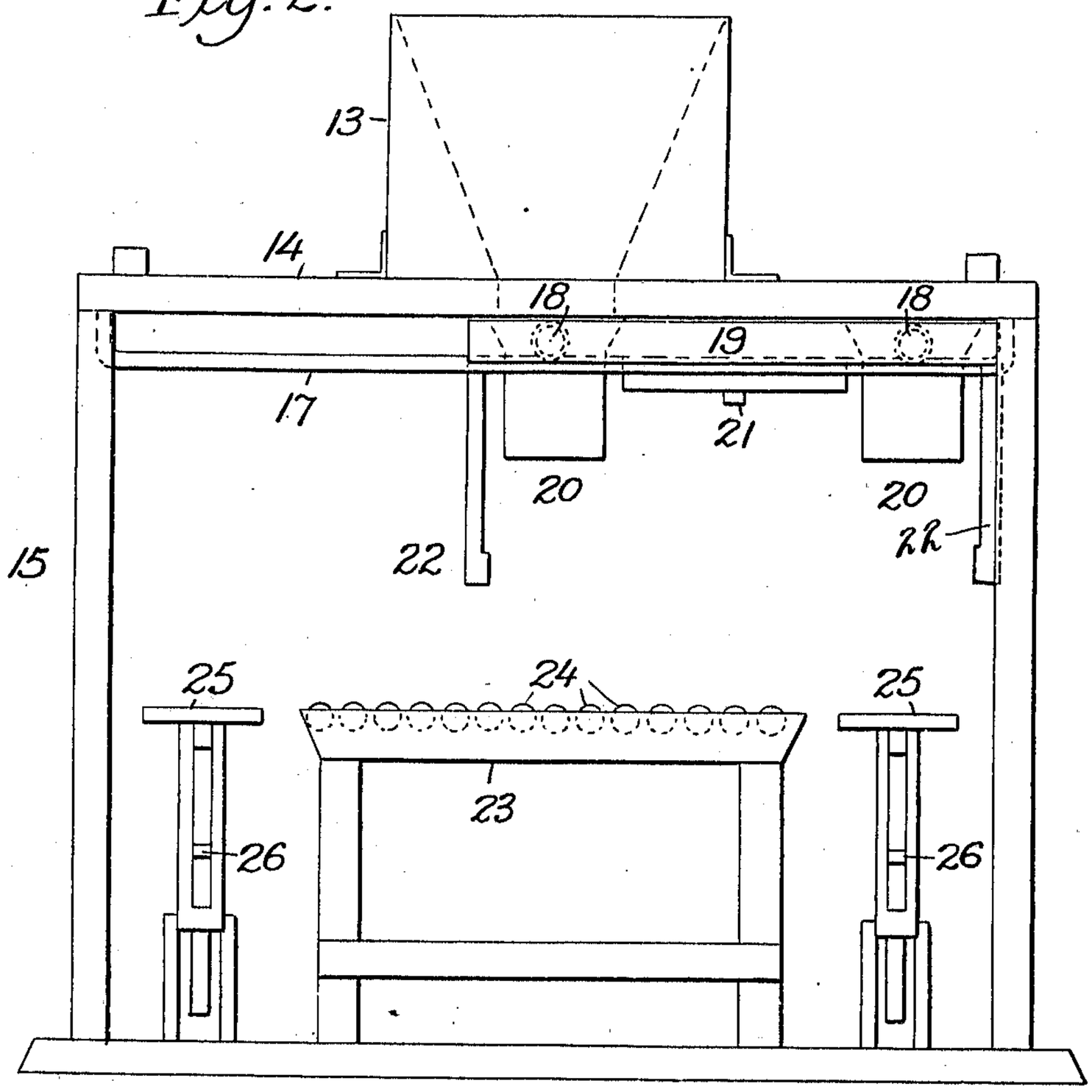
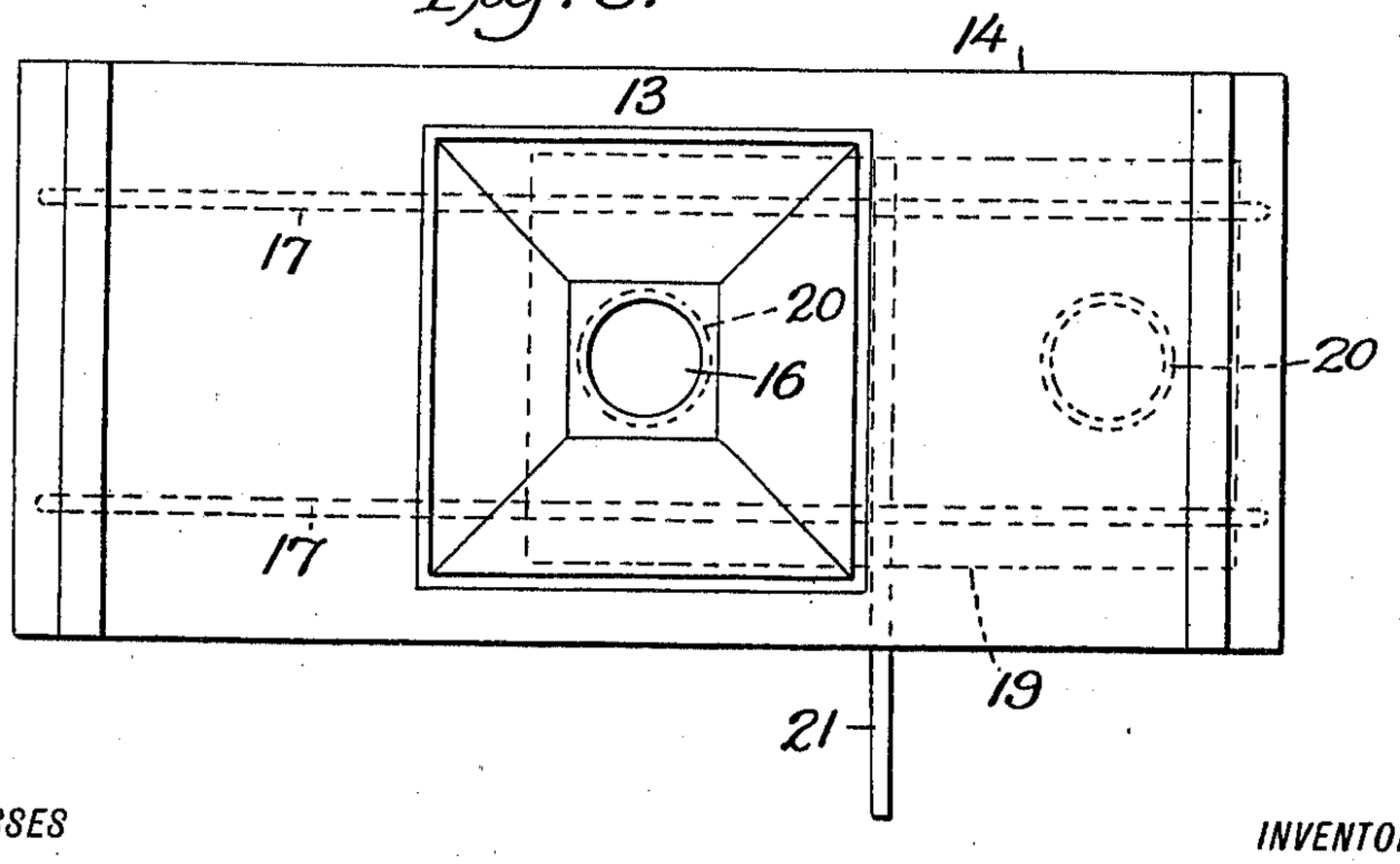


Fig. 3.



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ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM M. FRANSECKY, OF BROOKLYN, NEW YORK.

APPARATUS FOR BAGGING CHARCOAL.

952,987. Specification of Letters Patent. Patented Mar. 22, 1910.

Application filed March 12, 1909. Serial No. 482,970.

To all whom it may concern:

Be it known that I, WILLIAM M. FRANSECKY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Apparatus for Bagging Charcoal, of which the following is a specification.

This invention relates to devices for packing or bagging certain articles or materials and more especially the bagging of charcoal and is adapted to convey the material from its place of storage to a hopper beneath which slide funnels about which have been fitted bags that are carried with the funnels alternately beneath the hopper and filled, then removed to allow the replacing of empty bags all of which will be more fully explained with the details of the construction of the device in the following specification, set forth in the claims and shown in the drawings, where:

Figure 1 is a view of the plant embracing the invention. Fig. 2 is an elevation of the bagger. Fig. 3 is a plan view of same.

An elevator 5 with buckets 6 is located in a bin or near a supply of charcoal and carries a boot 7 in the path of the buckets to receive the material which is carried upward and deposited on an endless belt 8 of slats or perforated material to allow the dust and small particles to pass from the larger lumps that are to be bagged. The belt 8 is also divided into compartments by means of cross bars 9 and each is large enough to accommodate the contents of one of the buckets 6. The elevator 5 receives its motion from any desired source through a pulley 10 and the belt 8 is driven by means of pulleys 11 and 12 with connecting belt. The material is delivered from the belt 8 to a hopper 13 on the top 14 of a frame 15 which has a hole 16 passing through the top to allow the escape of the charcoal. Beneath the top 14 are rails 17 on which play the wheels 18 of a slide 19 adapted to play beneath the top and having at each end an opening in which are fitted the funnels 20 for the free passage of the charcoal. This slide is operated by an arm 21 projecting from its side while each end has a depending arm 22 to impinge the side of the bag on the funnel to partly support it while being filled and carry it in place for filling. The bag is supported on a table 23 whose surface is made up of the rollers 24 to facilitate the movement of the bag toward one of the platforms 25 which the bag reaches in the final movement of the slide 19 and is held in its elevated position by means of the treadle 26 and spring 27, and upon receipt of the bag the treadle is released and the weight of the bag and its contents depresses the platform which takes an inclined position backward and the bag slides off to be disposed of as desired. The platforms 25 are two in number and situated at each end of the table 23 and are normally on a level with the top beams of this table until they receive a bag and its contents. They are carried by the treadles 26 which are fulcrumed in standards at each end of the frame 15. The new bags are placed on the funnels just before they are carried beneath the hopper and the supply of material is shut off by the slide until the funnel reaches its proper position.

It is obvious that various modifications may be made in the details of the apparatus and these arrangements without departing from the essential features above described.

What I claim as new and desire to secure by Letters Patent is:

1. In a bagging apparatus, the combination with a conveyer, of a hopper at the end of same, a slide beneath the hopper with an opening and funnel at each end and provided with depending arms adapted to engage the bag held by said funnels, and a table composed of a frame and rollers to support the bag while the slide is being shifted.

2. In a bagging apparatus, the combination with an elevator and conveyer, of a frame with a hopper at its top to receive the contents of the conveyer, rails beneath the top of the frame, a slide on the rails having openings, funnels depending from the openings, a table below said slide composed of rollers supported in a frame, and platform at each end of the table.

3. In a bagging apparatus, the combination with an elevator, of a conveyer connected with same, a frame with a hopper beneath one end of the conveyer, a slide working on rails beneath the hopper and having openings, funnels carried beneath the openings, a series of rollers carried by a frame to support the bag when filled, and adjustable platforms at each end of the table.

4. In a bagging apparatus, the combination with an elevator, of a conveyer at the upper end of the elevator, a frame carrying

a hopper at its top to receive the contents of the conveyer, rails beneath the hopper, a slide on the rails with openings, funnels below the openings to fit within the bags, arms from the slide to support the bags, a table comprising a frame with rollers on its upper surface to carry the bags, and adjustable platforms at the ends of the table and supported by levers.

5. In a bagging apparatus, the combination with a table made up of a frame and rollers and adapted to carry a bag while it is being filled, of a shifting platform with funnels at each end and located above the table, a frame carrying the platform and having a hopper above same to register with the funnels, uprights at each end of the table, a lever pivoted in the uprights, and platforms carried at the rear end of the levers and adjacent to the table.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM M. FRANSECKY.

Witnesses:

L. V. FRANSECKY,

GEO. H. BARBER.