No. 815,707. PATENTED MAR. 20, 1906.

J. C. HUTCHISON.

CONVEYER FOR PIE MAKING MACHINES.

APPLICATION FILED SEPT. 30, 1905.

FIG. 1.

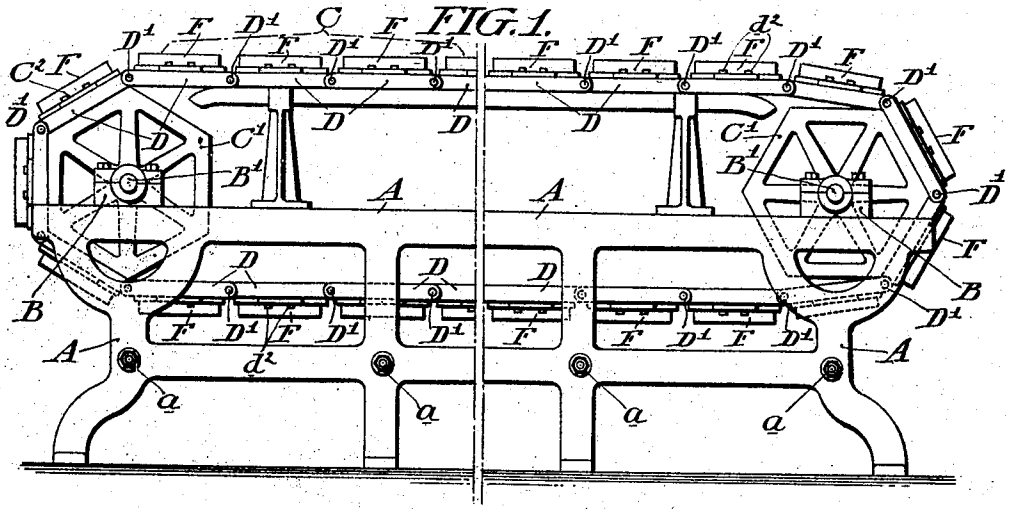


FIG. 2.

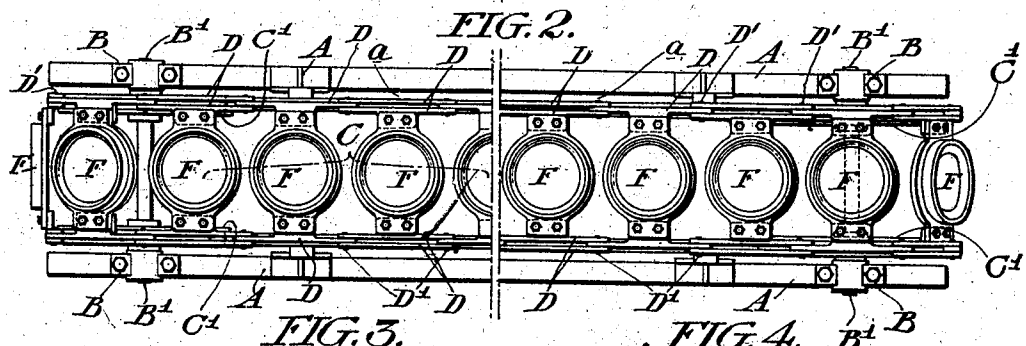


FIG. 3.

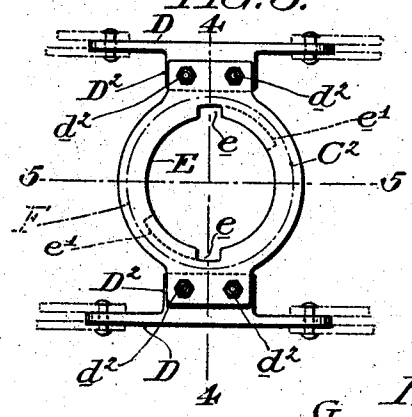


FIG. 4.

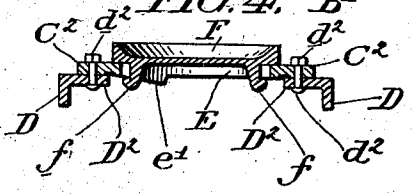


FIG. 5.

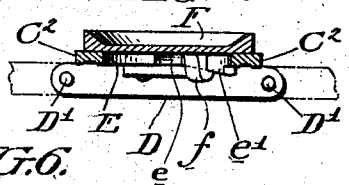
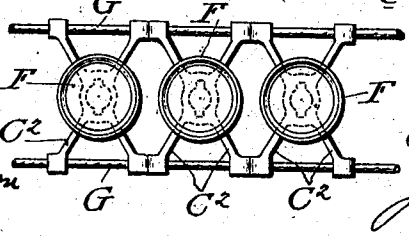


FIG. 6.



WITNESSES:

Norman U. Elliott.

David Abramson

INVENTOR

Joseph C. Hutchison

BY

Fred S. Williams

ATTORNEY.

UNITED STATES PATENT OFFICE.

JOSEPH C. HUTCHISON, OF PHILADELPHIA, PENNSYLVANIA.

CONVEYER FOR PIE-MAKING MACHINES.

No. 815,707. Specification of Letters Patent. Patented March 20, 1906.

Application filed September 30, 1905. Serial No. 280,732.

To all whom it may concern:

Be it known that I, JOSEPH C. HUTCHISON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Conveyers for Pie-Making Machines, of which the following is a specification.

My invention relates to improvements in conveyers used in connection with pie-making machines, and embodies a novel construction and arrangement of the parts whereby the plate-supports may be readily detached from the body of the conveyer when it is desired to change from one size of pie to another.

My invention will be more fully understood by reference to the accompanying drawings, forming part of the specification, and in which—

Figure 1 illustrates a side elevation of a conveyer mechanism embodying my improvements. Fig. 2 represents a plan view of the same. Fig. 3 illustrates an enlarged plan view of one of the brackets of the conveyer with the plate-holder or die removed to more clearly show the manner in which it is removably fastened to the bracket. Fig. 4 represents a cross-section taken on the line 4 4 of Fig. 3, showing the plate-holder or die locked in position. Fig. 5 indicates a similar section taken on the line 5 5 of Fig. 3, in which the plate-holder or die is also shown in engagement with the bracket; and Fig. 6 illustrates a plan view of a portion of a conveyer mechanism so modified as to permit of the use of cable connections for the brackets in lieu of the link connections illustrated in Figs. 1, 2, and 3.

Referring now to the reference-letters of the drawings, A A represent the supporting-frames of the machine, which are suitably spaced and held together by cross-bars *a a*, &c. The frames are provided with bearings B B to support shafts B′ B′, which carry sprocket-wheels C′ C′, whereby the endless belt or conveyer C is supported and operated. The conveyer is designed to be operated intermittently and to that end may be provided with such mechanism as that shown and described in Letters Patent granted to me April 11, 1905, and serially numbered 786,816. The conveyer C is formed of two parallel lines of links D D, united together by rivets D′ D′. The inner links or members are provided with flanges D^2 D^2 to receive brackets C^2, which are adjustably secured to the flanges D^2 D^2 by bolts d^2. In the center of each of the cross-brackets C^2 is an opening E to receive depending lugs *f f* of a plate F. The plates F, which are designed to support pie tins or plates and which I shall term "plate-holders," are removably secured to the brackets C^2 by a connection made after the manner of a bayonet-joint—that is to say, the cross-brackets C^2 in addition to the openings E are also provided with slotted openings *e e* to receive the overlapping ends of the lugs *f f*, which when turned will bear against inclined projections *e′ e′* on the lower side of the brackets C^2, and thus hold the plates F firmly in place.

In the modification shown in Fig. 6 the same general plan is carried out, except that in lieu of the links D D, I have shown the manner of employing wire ropes or cables G G, by which the brackets may be supported in the usual manner.

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

1. A conveyer comprising parallel supporting-cables, an endless series of brackets, plate-holders adapted to the brackets and means interposed between the brackets and plate-holders for locking the latter in position.

2. A device of the character specified comprising parallel supporting-chains adapted to sprocket-wheels, brackets connected to the links of the chain and provided with openings to receive plate-holders, the plate-holders and means for removably securing the plate-holders to the brackets, substantially as specified.

3. A conveyer for pie-machines, comprising side chains adapted to sprocket-wheels, brackets adjustably secured thereto, and plate-holders removably secured to the brackets, substantially as specified.

4. A conveyer for pie-machines, comprising sprocket-chains, sprocket-wheels adapted to said chains, brackets interposed between the sprocket-chains and adjustably connected to the links thereof and plate-holders removably secured to the brackets substantially as specified.

5. A conveyer for pie-machines and the like, comprising sprocket-chains, sprocket-

wheels adapted thereto, brackets interposed between the sprocket-chains provided with openings to receive plate-holders, and inclines to hold the same in position and plate-holders provided with depending lugs adapted to engage the inclines of the brackets, substantially as specified.

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

JOSEPH C. HUTCHISON

Witnesses:
W. H. PECKWORTH,
DAVID S. WILLIAMS.