

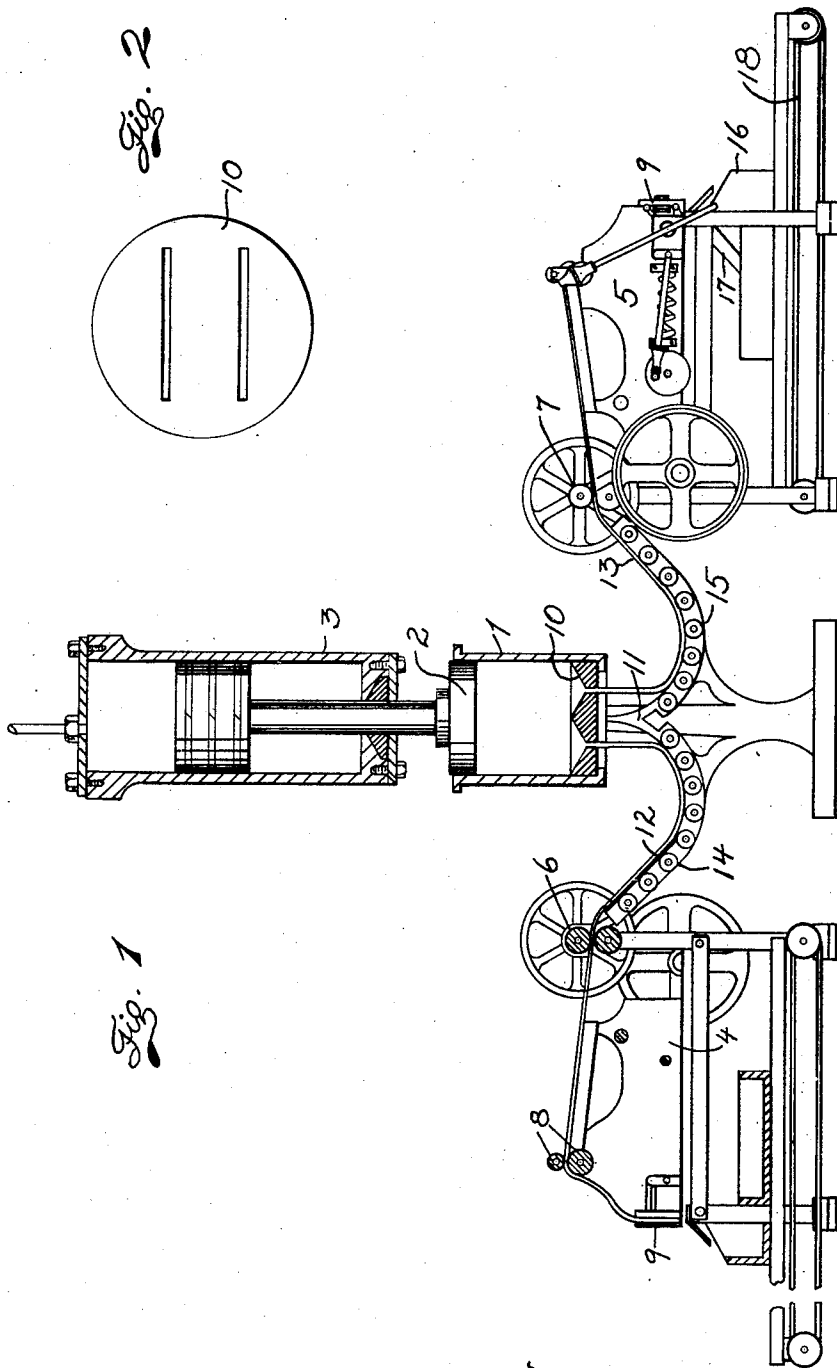
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E. RONZONI ET AL

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DEVICE FOR PRODUCING DIE CUT NOODLES

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Emanuele Ronzoni *Angelo Ronzoni* INVENTOR
Thos. Sheppard ATTORNEY

UNITED STATES PATENT OFFICE

EMANUELE RONZONI AND ANGELO RONZONI, OF NEW YORK, N. Y.

DEVICE FOR PRODUCING DIE-CUT NOODLES

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The device, the subject of this invention is in reality a combination of a press and a plurality of stamping machines, the object being to reduce the work required in making fancy cut or stamped noodles or bologna, to obviate the necessity for handling the paste sheets and of preparing the sheet in rolls as is now required.

Another object of the invention is to provide means for improving the general appearance of stamped alimentary paste products.

The following is what we consider the best means of carrying out this invention and the accompanying drawing should be referred to for a complete understanding of the specification.

Fig. 1, is a side elevation partly in section, showing a press or expressing means, a plurality of stamping machines and the transfer means employed therewith.

Fig. 2, is a plan view of the die.

At 1 in the drawing we show the cylinder of a press, at 2 the piston operable therein and at 3 the pump or oil cylinder which operates the piston 2. The shape of the members 1, 2, and 3 may be varied at will. We may use round presses with round dies or square, oval or oblong presses, in fact, as we desire our sheets to be of the standard width for the standard stamping machine, we will probably prefer to use an oval or oblong die or a round die of large diameter and while we have shown a hydraulic cylinder a screw press may be employed if desired.

The stamping machines shown at 4 and 5 are of ordinary construction, such as are employed for cutting noodles of fancy shapes, it being noted, however, that the usual pressing rolls are omitted and the material is introduced directly between the calibrating rolls 6 and 7. From these calibrating rolls the material passes to the feeder rolls 8 and then under the die 9.

As the construction of all of these ma-

chines is well known and readily understood, certain of the unnecessary details of construction are omitted.

At 10 we show, the approximate position of the die. These dies are slotted and preferably produce two sheets of paste simultaneously. The bifurcated wedge shaped end 11 of the transfer mechanism separates the sheets and directs them one through each of the stamping machines and the apron members 12 and 13 are the transfer mechanisms which carry along the sheets and to expedite the transfer of the sheets of delicate material we may introduce rollers 14 and 15 into the transfer members.

In the operation of our device, it will be understood that the press and stamping machines are timed to operate at an approximately uniform speed and that as the paste within the cylinder 1 is forced out of the cylinder, the speed of the travel of the plunger or piston 2 will slightly increase during the latter portion of its travel, as the resistance against the travel becomes lessened so that time will be provided for the return of the piston and the changing of the cylinder as is required.

After the fancy shapes are cut, the waste material enters the container 16; the cut shapes falling through the trough 17 may be received in boxes or containers upon the conveyor 18. This is also an ordinary and customary operation and while modifications may be made within the scope of the appended claims, we prefer the whole as shown and described.

Having carefully and fully described our invention, what we claim and desire to obtain is:—

1. Means for producing alimentary paste in fancy designs, which consists of a plurality of stamping machines, each having a plurality of dies in transverse alignment, and a die expressing machine arranged there-

between and adapted to deliver a sheet of paste to each stamping machine.

2. Means for producing alimentary paste in fancy designs, which consists of a plurality of machines for cutting and moulding the paste, and a die expressing machine arranged therebetween, and provided with a die having two slots for sheeting the paste and adapted to deliver two sheets of paste, one to each cutting and moulding machine and transfer mechanisms between said press and each stamping machine.

Signed at the borough and county of Queens, city and State of New York, this 27th day of October, 1926.

EMANUELE RONZONI.
ANGELO RONZONI.

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