

No. 627,496.

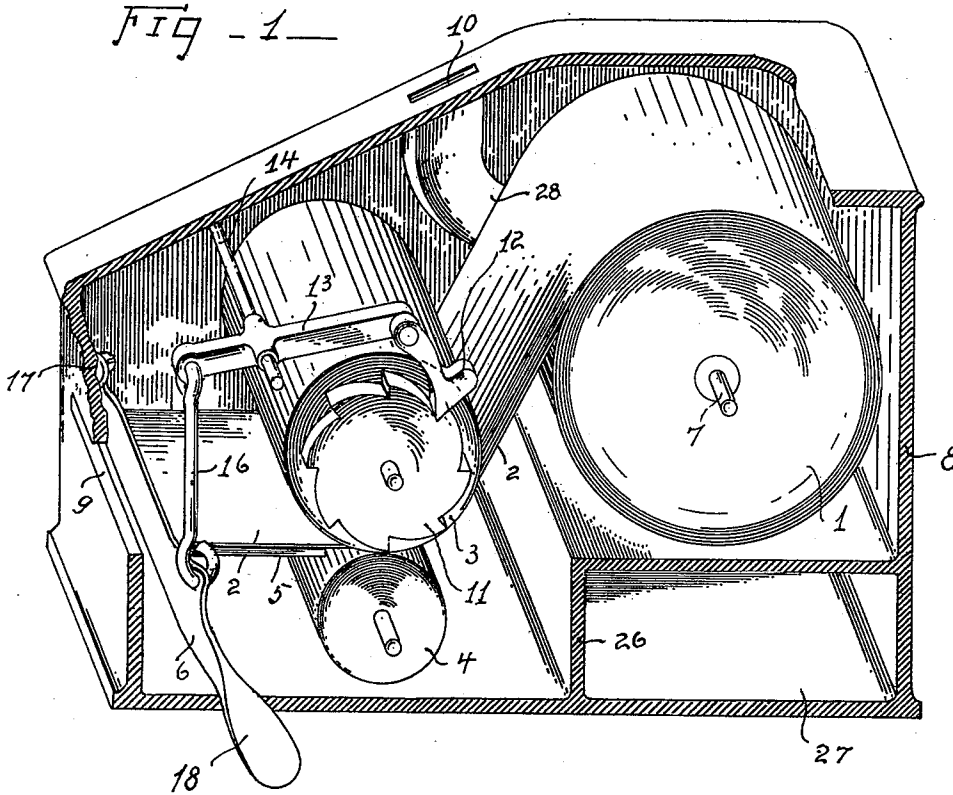
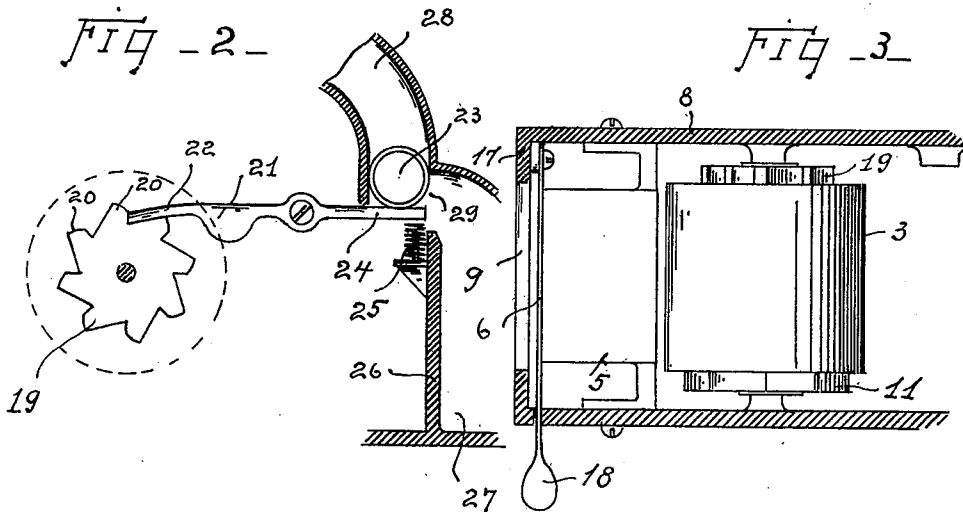
Patented June 27, 1899.

M. J. GILSDORF.

COIN CONTROLLED COUPON DELIVERY DEVICE.

(Application filed Mar. 17, 1899.)

(No Model.)



WITNESSES -
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UNITED STATES PATENT OFFICE.

MICHAEL J. GILSDORF, OF TOLEDO, OHIO.

COIN-CONTROLLED COUPON-DELIVERY DEVICE.

SPECIFICATION forming part of Letters Patent No. 627,496, dated June 27, 1899.

Application filed March 17, 1899. Serial No. 709,386. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL J. GILSDORF, of Toledo, county of Lucas, State of Ohio, have invented certain new and useful Improvements in Coin-Controlled Coupon-Delivering Devices; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form part of this specification.

My invention relates to a coin-controlled coupon-delivering device, and has for its object to provide a mechanism provided with means adapted to automatically release a locking-dog by inserting a coin into a slot provided therefor, whereby a roll having printed thereon coupons, &c., may be rotated by raising a cutting mechanism, and thereby advancing a coupon for detachment by depressing the cutting mechanism, after which last operation, the coin being delivered into a suitable receptacle, the dog is released, which again engages a cammed ratchet-wheel and prevents a further advancement of coupons for detachment from the roll until the insertion of another coin.

In the drawings, Figure 1 is an isometric view of a device constructed in accordance with my invention. Fig. 2 is an elevation of the locking-dog engaging the ratchet-wheel. Fig. 3 is an elevation of the feed-roller, showing the position of the ratchet-wheel.

1 designates a roll of paper or other suitable material having printed thereon coupons, &c., and feeds the coupons in a continuous strip 2 between the actuating-roller 3 and an idler 4, over a platen 5, to the detaching-knife 6. Rollers 3 and 4 are constantly in contact with the paper and are journaled, including the arbor 7, carrying the roll of paper, in diametrically opposite walls of a suitable housing 8, which latter is provided with a delivery-slot 9 and a slot 10 for the insertion of the coin.

11 designates a ratchet-wheel secured to one end of the roller 3, which is actuated by means of a gravity-pawl 12, movably suspended from a lever 13, pivoted upon the transverse bar 14, secured to the walls of the

housing. The lever is connected with the vertically-reciprocable cutting-knife 6 by means of a link 16, and one end of the knife is pivotally secured to the inside of the face-wall 17 of the housing and has formed upon the outer projecting end a suitable handle 18.

19 designates a ratchet-wheel secured to the roller 3 upon the opposite side from ratchet-wheel 11. The teeth of the ratchet-wheel 19 are formed inversely to the teeth of ratchet-wheel 11 and have formed thereon cams 20, which project beyond the extreme diameter of the wheel, the teeth of which are engaged successively by a locking-dog 21, pivotally secured adjacent to the wall of the housing. The preponderance of the engaging end 22 is such that a coin 23 will depress the free end of the dog 24 until it rests upon a spring 25, located in the arc of depression. The spring is supported from a shoulder 26, integral with the coin-receptacle 27.

In the operation of the device a coin is inserted into the slot 10, from whence it enters a delivery-spout 28 and depresses the free end of the locking-dog and disengages thereby the opposite end of the dog from a tooth of the ratchet-wheel 19, while the free end of the dog carrying the coin is supported upon the spring, and the orifice 29 for the discharge of the coin being still obstructed the coin cannot be discharged into the receptacle until the knife 6 is raised, whereby the roller 3 is partially rotated by the coaction of the afore-described elements, whereby the continuous strip of coupons advances proportionately to the degree of rotation of the roller 3. Simultaneous with the rotation of the roller the locking-dog, still supporting the coin, is further depressed until the coin is discharged into the receptacle, upon which the dog returns to its original position and engages a successive tooth of the cam ratchet-wheel 19 and prevents thereby further rotation of the roller 3 and consequent advancement of the continuous strip of coupons. The knife 6 is now depressed and one coupon detached from the strip, after the removal of which the operation may be repeated.

What I claim is—

In a coin-controlled coupon-delivering device, a housing having located therein and journaled within diametrically opposite walls;

a roll of coupons in continuous strip; a driving-roller and an idler in contact with the paper; a platen; a cutting-knife pivotally secured to the housing; a ratchet-wheel secured
5 to one end of the driving-roller; a pawl adapted to engage the same and adapted to be actuated by the reciprocation of the knife; a ratchet-wheel secured to the opposite end of the driving-roller having cams formed
10 upon the teeth; a pivoted locking-dog in engagement therewith; a housing having formed therein an orifice for the insertion of a coin and an orifice for the discharge of the strip; a spout to deliver the coin to an orifice
15 in a receptacle for the coin and which orifice is obstructed by the free end of the locking-dog; a spring adapted to support the free end of the locking-dog upon depression by the coin, whereby the opposite end of the

dog is disengaged from the ratchet-wheel, 20 thereby allowing the rotation of the roller by raising the cutting-knife and simultaneously further depressing the free end of the locking-dog to a coincidence with the orifice to discharge the coin into a receptacle, whereby 25 the locking-dog is released and adapted to engage a successive tooth and prevent further rotation of the driving-roller, upon which a coupon may be detached from the strip by depressing the knife. 30

In testimony that I claim the foregoing as my own I hereto affix my signature in the presence of two witnesses.

MICHAEL J. GILSDORF.

Witnesses:

WM. K. TERRY,
O. S. TERRY.