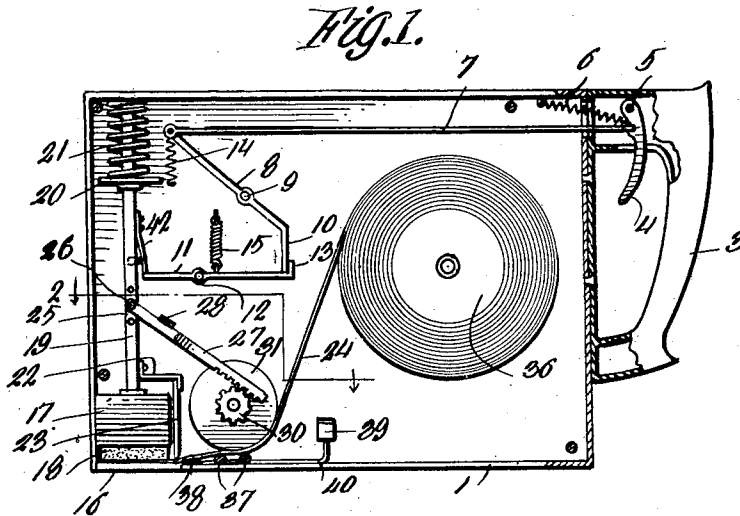
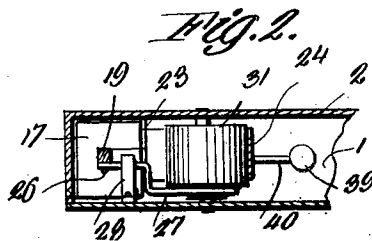
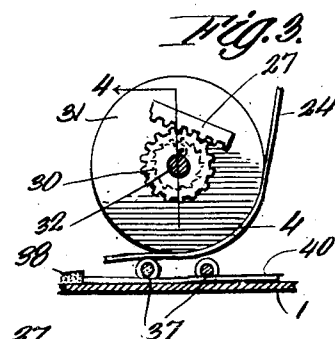
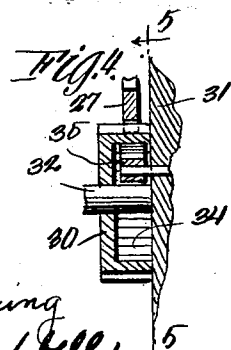
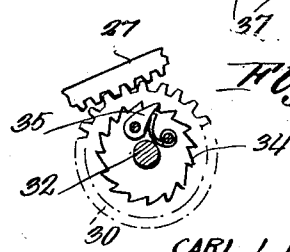


C. L. FREDERICK.
POSTAGE STAMP AFFIXER.
APPLICATION FILED MAY 6, 1920.

1,371,677.

Patented Mar. 15, 1921.



WITNESSES
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POSTAGE-STAMP AFFIXER.

1,371,677.

Specification of Letters Patent.

Patented Mar. 15, 1921.

Application filed May 6, 1920. Serial No. 379,331.

To all whom it may concern:

Be it known that I, CARL L. FREDERICK, a citizen of the United States, residing at Shannon, in the county of Carroll and State of Illinois, have invented certain new and useful Improvements in Postage-Stamp Affixers, of which the following is a specification.

This invention relates to a postage stamp affixer and has for its principal object to produce a device of this nature which will deliver postage stamps one at a time so that same may be readily affixed upon the letter, the stamp having been previously moistened. With the above and other objects in view which will appear from the below detailed description this invention consists of certain novel combinations, arrangements, and construction of parts which will be hereinafter more fully described.

In the drawing:

Figure 1 is a side elevation partly in section showing one side of the casing removed so as to disclose the interior mechanism.

Fig. 2 is a section taken on the line 2—2 of Fig. 1, looking in the direction of the arrows,

Fig. 3 is a fragmentary side elevation of the interior mechanism especially disclosing the construction of the friction wheel,

Fig. 4 is a section taken on the line 4—4 of Fig. 3, and

Fig. 5 is a section taken on the line 5—5 of Fig. 4 looking in the direction of the arrow.

By referring to the drawings by numerals it will be seen that 1 designates the casing which may be of any preferred construction and as shown contains the side walls 2 one of which may be readily removed so as to make the interior of the casing easily accessible. A handle 3 is provided upon the casing 1 and is constructed so as to carry the trigger 4 upon the pivot 5. A spring 6 is situated adjacent the top portion of the casing 1 so as to extend into the handle 3 and to be connected to the trigger 4 in such a manner as to normally urge this trigger toward the casing. A rod 7 has one end connected to the trigger 4 intermediate its ends and its other end is pivotally connected to the lever 8 which is situated upon the pivot 9 within the casing 1. This lever 8 is provided with the angular extension 10 so as to slidably engage the lever 11 pivotally carried at 12 within the casing 1 and pro-

vided at one end with the stop 13 thus holding the extension 10 always in engagement with the lever 11. A spring 14 is situated within the casing so as to normally hold the lever 8 in the position shown in Fig. 1 and another spring 15 is provided for normally holding the lever 11 in the position shown in Fig. 1.

At the forward end of the casing 1 there is provided the opening in the bottom indicated by the numeral 16. Immediately above this opening 16 there is situated the block 17 which has fixedly attached to its bottom the pad 18. Extending upwardly from the block 17 there is provided the rod 19 having the plate 20 adjacent its upper end so as to carry the expansion coil spring 21 which is adapted to rest against the top of the casing 1 thus normally holding the block 17 in a lowered position. A bracket 22 is fixedly attached to the rod 19 adjacent the block 17 so as to carry the knife 23 for the purpose of cutting the stamps from the strips 24.

The rod 19 is provided with a plurality of apertures 25 in one of which is situated the pin 26 so as to carry the rack bar 27 which is normally held downwardly by means of the leaf spring 28. The ratchet bar 27 is provided at its free end with teeth for engaging the hollow cog wheel 30 rotatably mounted upon the friction wheel 31 by means of the axle 32 upon which this friction wheel rotates. The cog wheel 30 is of hollow construction and its inner periphery is provided with a plurality of notches 34 which are engaged by the spring-pressed pawl 35. From this construction it will be seen that the friction wheel 31 will only be rotated when the rack bar 27 is pushed downwardly.

A drum 36 is rotatably mounted within the casing 1 upon which is wound the strip stamp 24. This strip 24 then extends under the friction roller 31 and over the friction rollers 37 so that the glued portion of the stamps will engage the moistening sponge 38 which is fed by the water container 39 through the pipe 40.

The operation of the device is as follows. The trigger 4 is pulled rearwardly thus pulling upon the rod 7 which will actuate the lever 8 so that the extension 10 will slide along the lever 11 thus pushing the forward end thereof upwardly. This forward end is in engagement with the leaf spring 42 and

thus the rod 19 will be lifted upwardly. When this rod 19 is lifted upwardly it will pull upon the rack rod 27 thus rotating the cog wheel 30 but not moving the friction wheel 31. When the lever 11 has been actuated to a pre-determined extent it will be seen that it will slip from engagement with the leaf spring 42 thus allowing the expansion coil spring 21 drawing upon the plate 20 to force the rod 19 downwardly at which time the rack bar 7 will rotate the cog wheel 30. Upon the rotation of the cog wheel 30 in this direction it will be seen that the spring pressed pawl 35 will engage the teeth 34 thus rotating the friction wheel 31 whereby the strip of stamps 24 will be pulled from the drum 36 so that one of the stamps will move over the moistener 38 and be situated over the opening 16 so that the block 17 will strike the stamp thus pressing same firmly upon an envelop. Simultaneously with the block 17 the knife 23 will cut the stamp from the remaining strip 24.

Although the construction shown in the drawing and described above is my preferred construction I wish it understood that I may make such changes in the construction, arrangement, and combination of parts as will fall within the scope of the appended claims.

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

1. A device of the class described, the combination of a casing, a handle, a trigger situated in said handle, a rod pivotally connected to said trigger and leading into said casing, a lever pivotally carried in said casing and having one end pivotally connected to the end of said rod and provided with an angular extension, a second lever pivotally carried in said casing, one portion of which is engaged by the angular extension of the first lever, a block situated within said casing above an opening, a rod connected to said block and adapted to extend through the top of said casing, a plate carried by said second mentioned rod, an expansion coil spring situated on said plate and engaging the top of said casing so as to normally hold said second mentioned rod and said block in a lowered position, a bracket extending later-

ally from said second mentioned rod, a knife situated upon said bracket, a drum for receiving a strip of stamps, a friction roller, a hollow cog wheel rotatably mounted adjacent said friction roller, a pawl carried by said friction roller for engaging the interior of the cog wheel, a rack bar having one end pivotally connected to the rod situated on said block and its further end provided with a rack adapted to engage said cog wheel.

2. A device of the class described comprising a casing, a lever pivotally carried in said casing, a second lever pivotally carried in said casing, one portion of which is engaged by an angular extension of the first lever, a block situated within the casing above an opening, a rod connected to said block and adapted to extend through the top of said casing, a plate carried by said rod, an expansion coil spring situated on said plate and engaging the top of said casing so as to normally hold said rod and said block in a lowered position, a bracket extending laterally from said rod, a knife situated upon said bracket, means for actuating the first mentioned lever for raising the block and knife, and means for delivering stamps intermittently under said block and said knife.

3. A device of the class described comprising a casing, a lever having an angular extension pivotally carried in said casing, a second lever pivotally carried in said casing, one portion of which is engaged by the angular extension of the first lever, a block situated within the casing above an opening, a rod connected to said block and extending upwardly therefrom, means situated on the rod for normally holding same in a lowered position, a bracket extending laterally from said rod, a knife situated on said bracket, means for actuating the first mentioned lever for raising said block and knife, and means for delivering stamps under said block and knife in the manner and for the purpose specified.

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

CARL LEROY FREDERICK.

Witnesses:

JOHN M. BECK,
HORACE N. GRIFFITH.