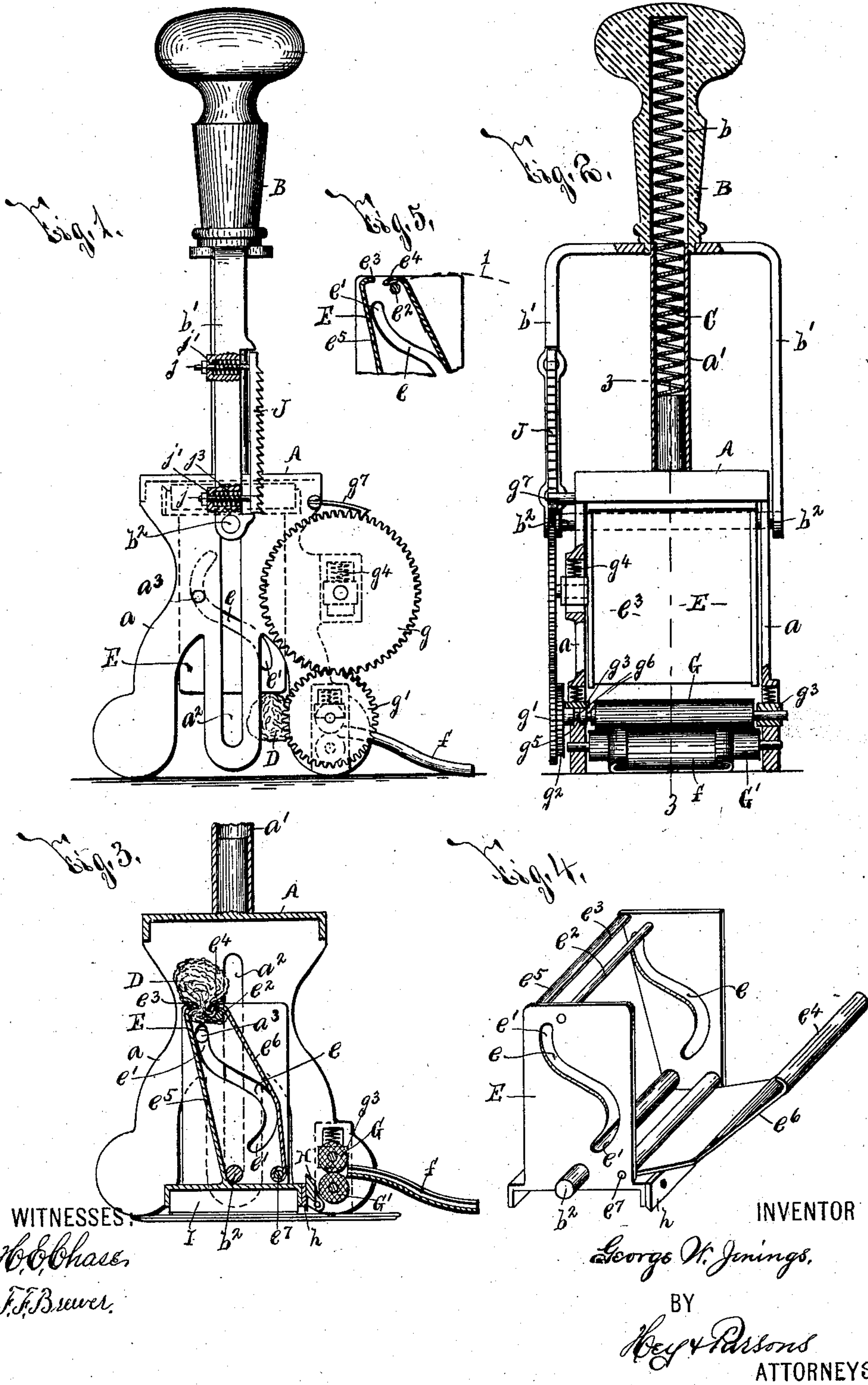


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G. W. JENINGS.  
ATTACHER FOR STAMPS, &c.  
APPLICATION FILED MAY 5, 1896.

NO MODEL.





# UNITED STATES PATENT OFFICE.

GEORGE W. JENINGS, OF ROCHESTER, NEW YORK.

## ATTACHER FOR STAMPS, &c.

SPECIFICATION forming part of Letters Patent No. 751,516, dated February 9, 1904.

Application filed May 5, 1896. Serial No. 590,308. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. JENINGS, of Rochester, in the county of Monroe, in the State of New York, have invented new and useful Improvements in Attachers for Stamps and other Articles, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to improvements in 10 attachers for stamps and similar articles, and has for its object the production of a practical, simple, and effective device for attaching said articles to letters, papers, &c.; and to this end it consists, essentially, in the construction and arrangement of the component 15 parts of the attacher, all as hereinafter more particularly described, and pointed out in the claims.

In describing this invention reference is had 20 to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in all the views.

Figures 1 and 2 are respectively edge and side elevations, partly in section, of my improved attacher. Fig. 3 is a vertical section 25 taken on line 3 3, Fig. 2, the support for the moistener and the presser-piece being shown as depressed. Fig. 4 is an isometric view of the detached support for the moistener and 30 the presser-piece, the clamping-piece for the moistener being shown in its inoperative position and the presser-piece being removed; and Fig. 5 is a detail section of the upper end of said detached support.

35 A is a standard, which is of any desirable form, size, and construction and is usually provided with opposite uprights  $a\ a$ , and B is a suitable plunger supported by the standard. The plunger B is preferably reciprocally movable and is automatically elevated 40 by a spring C, of any desirable construction, having one end usually arranged in a socket  $b$  in the plunger and its opposite end supported in a tube  $a'$ , projecting upwardly from 45 the top of the standard A into said socket  $b$ . The lower end of the plunger is preferably provided with upright arms  $b'\ b'$ , connected at their lower ends by a pin  $b^2$ , movable in upright guides  $a^2$  in the support A'.

50 D is a moistener, preferably consisting of a

piece of sponge, and E is a rocking or partially-revoluble support for the moistener, which is connected to the standard A and is actuated by the plunger B. The moistener D is normally held above the surface to be 55 stamped, and in the operation of affixing a stamp the support E is first reciprocated toward said surface for engaging the moistener therewith and is then partially revolved for drawing the moistener across said surface and 60 elevating the same out of operative position. The movement of the support E may be effected by any suitable means; but I preferably pivot said support to the arms  $b'\ b'$  by the pin  $b^2$  and provide its opposite faces adjacent to the uprights  $a\ a$  with substantially S-shaped grooves  $e$ , which receive pins  $a^3$ , fixed 65 to the uprights  $a\ a$  of the standard A, and are provided with oppositely-extending ends  $e'$ .

As the plunger B is moved from its normal 70 position (seen in Fig. 1) the support E is moved toward the article to which the stamp is to be attached, the moistener is engaged with said article, and the normal upper ends of the walls of the grooves  $e$  engage the fixed 75 pins  $a^3$ , arranged at one side of the path of movement of the pin  $b^2$ . The continued movement of the plunger B rocks the normal lower end of the support E laterally upon the pivotal pin  $b^2$ , and thereby wipes the moistener 80 D across the adjacent face of said article. The further movement of the plunger B continues to rock the support E to the inverted position (seen in Fig. 3) and then forces the support downwardly for affixing the stamp to 85 said article.

The moistener D is preferably detachably secured to its support E, and although this securement may also be effected by any suitable means I preferably provide the support 90 E with an engaging bar  $e^2$  and shoulders  $e^3\ e^4$ , which engage and firmly hold said moistener. The bar  $e^2$  is preferably cylindrical, and the moistener, which usually consists of a strip of sponge, is wrapped around the same. The 95 shoulder  $e^3$  is arranged at one side of the bar  $e^2$  in proximity thereto and is provided upon the adjacent face of a fixed wall  $e^5$ , and the shoulder  $e^4$  is more or less yielding, as it is formed upon one end of a yielding clamping- 100



piece  $e^6$ , having its opposite end pivoted at  $e^7$  to the main body of said support. A portion of said shoulder  $e^4$ , and preferably its front edge, is movable in a curved plane, as 1, Fig. 5, arranged nearer to the pivot  $e^7$  than the remaining portion of said shoulder, and consequently considerable force is required to move the shoulder  $e^4$  from its operative position when the moistener D is in position.

The stamps or other articles applied by my attacher are arranged in strips and are fed through a suitable guide  $f$  by oppositely-arranged rollers G G', one of which is positively driven by connected gears  $g$   $g'$   $g^2$ , so that the perforations between the stamps when arranged either lengthwise or widthwise may be alined with a movable cutting-knife, presently described. The gears  $g'$   $g^2$  are of unequal diameter and are fixed to one of the spindles of the roller G, which is journaled in yielding bearings  $g^3$  and is movable vertically and endwise for alternately forcing said gears into operative position. The gear  $g$  is arranged above the gears  $g'$   $g^2$  and is yieldingly moved into engagement therewith by a spring  $g^4$  bearing against the movable journal-box for said gear  $g$ . A suitable stop  $g^5$  enters separated annular grooves  $g^6$  in one of the spindles of the roller G and normally holds said roller in its adjusted position. When the stamps are arranged lengthwise, the larger gear  $g'$  is engaged with the gear  $g$ , and when the stamps are arranged widthwise the gears  $g$   $g^2$  are engaged with each other.

Any suitable means may be used for actuating the gears  $g$   $g'$   $g^2$  by the downward movement of the plunger B; but I preferably use a rack J, which detachably engages one of said gears, as the upper one,  $g$ , and is provided with laterally-extending arms  $j$ , movable in guides  $j'$ , formed in one of the arms  $b'$  of the plunger B. The arms  $j$  are encircled by springs  $j^3$ , which yieldingly force the rack J laterally into operative position for engaging said gear  $g$  when the plunger B is sufficiently depressed.

As clearly seen at Fig. 1, the teeth of the rack J incline downwardly toward their outer edges, and consequently as the spring C elevates the plunger B the rack J yields laterally toward the adjacent arm of the plunger B and does not effect reverse movement of the gears  $g$   $g'$   $g^2$ , which are prevented from such movement by a suitable stop-dog  $g^7$ , Fig. 1.

The stamps or other articles fed by the rollers G G' pass over a lower cutting-knife H, which is preferably detachably secured by suitable fastening means between the opposite uprights  $a$  of the standard A and co-operates with a movable knife  $h$ , detachably secured to the normally elevated end of the support E. A suitable presser-piece I, usually formed of rubber, is also secured to the normally elevated end of the support E and engages the severed stamp or other article as

the plunger B reaches the limit of its downward movement, thereby firmly forcing the same upon the surface previously engaged by the moistener.

In the operation of my invention a partial descent of the plunger moistens the surface to be stamped, and its continued descent feeds the stamp or other article above the moistened surface, severs the same from the continuous strip, and firmly presses the severed article in its designed position.

The operation of my invention will now be readily perceived upon reference to the foregoing description and the accompanying drawings.

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

1. In an attacher for stamps or other articles, the combination with a standard, of a pressing-surface, a moistener, and a part carrying said surface and moistener, having reciprocatory and pivotal movement to bring said moistener and pressing-surface successively into operative relation with a surface designed to receive the stamp or other article, substantially as described.

2. In an attacher for stamps or other articles, the combination of a standard, a reciprocating rocking support guided on the standard and provided at one end with a moistener and at its opposite end with a presser-piece fixed relatively to the moistener, said moistener and presser-piece being successively engaged with the surface to which the stamp or other article is to be attached as the support is moved, and a plunger for actuating the support, substantially as and for the purpose described.

3. In an attacher for stamps and other articles, the combination of a standard, a movable support connected to the standard and provided with an engaging bar, a clamping-piece having one end pivoted to the main portion of the support and its opposite end formed with a yielding shoulder arranged in proximity to the engaging bar, a moistener interposed between the engaging bar and the yielding shoulder, and a plunger for actuating the support, substantially as and for the purpose specified.

4. In an attacher for stamps and other articles, the combination of a standard, a movable support connected to the standard and provided with an engaging bar, a fixed wall on one side of the bar having its face adjacent thereto provided with a shoulder, and a clamping-piece at the opposite side of the bar having one end pivoted to the main portion of the support and its opposite end provided with a shoulder normally arranged in proximity to the former shoulder, said shoulder on the clamping-piece having one portion thereof movable in a curved plane arranged nearer to the pivot for said clamping-piece than the re-



maining portion of said shoulder, a moistener interposed between the engaging bar and said shoulders, and a plunger for actuating the support, substantially as and for the purpose set forth.

5. In an attacher for stamps or other articles, the combination with a standard and a reciprocating plunger, of a moistener, a presser-piece, a part carrying the presser-piece and moistener, a connection between the same and the plunger for reciprocating said part with the plunger, and means interposed between said part and the standard for turning said part in the reciprocatory movement thereof, whereby said moistener and presser-piece are successively brought into operative relation with a receiving-surface, substantially as described.

6. In an attacher for stamps or other articles, the combination of a standard, a guide for the articles to be attached, a feeding-roller for said articles, gears of unequal diameter connected to the roller, an additional gear for engaging the former gears, the axis of one of said gears being movable toward the axis of the other gear, a reciprocating plunger, and a yielding rack supported by the plunger for engaging the additional gear, substantially as and for the purpose specified.

7. In an attacher for stamps and other articles, the combination of a standard, a guide for the articles to be attached, a feeding-roller for said articles, connected gears supported by the standard for actuating the roller, a reciprocating plunger, and a yielding rack supported by the plunger for engaging one of the gears, substantially as and for the purpose specified.

8. In an attacher for stamps and other articles, the combination of a standard, a guide for the articles to be attached, a feeding-roller for said articles, connected gears supported by the standard for actuating the roller, a reciprocating plunger provided with guides, a movable rack for engaging one of the gears provided with laterally-extending arms movable in said guides, and springs encircling said arms for forcing the rack in its operative position, substantially as and for the purpose set forth.

9. In an attacher for stamps and other articles, the combination of a standard, a guide for the articles to be attached, a feeding-roller for said articles, a partially-revoluble support connected to the standard and provided with a moistener, and a plunger operatively connected to said roller and flexibly connected to the support, substantially as and for the purposes described.

10. In an attacher for stamps or other articles, the combination of a standard, a guide for the articles to be attached, an actuating-gear, a feeding-roller for said articles, gears of unequal diameter connected to the roller, said gears being arranged side by side and movable endwise for alternately engaging the actuating-gear, a stop for holding the gears of unequal diameter in their adjusted position, and a reciprocating plunger provided with means for operating the actuating-gear by the movement of the plunger in one direction only, substantially as and for the purpose described.

11. In an attacher for stamps or other articles, the combination of a standard, a reciprocating rocking support guided on the standard and provided at one end with a moistener and at its opposite end with a knife for severing the articles to be attached, and a plunger for actuating the support to successively move the moistener and the knife into operative position, substantially as and for the purpose specified.

12. In an attacher for stamps or other articles, the combination of a standard, a reciprocating rocking support guided on the standard and provided at one end with a moistener and at its opposite end with a knife for severing the articles to be attached and with a presser-piece for attaching said articles, and a plunger for actuating the support to successively move the moistener, the knife and the presser-piece into operative position, substantially as and for the purpose set forth.

13. In an attacher for stamps or other articles, the combination with a standard, of a pressing-surface, a moistener, a part carrying said surface and moistener, having reciprocatory and pivotal movement to bring said moistener and pressing-surface successively into operative relation with a receiving-surface, means independently of said part for delivering a stamp to said receiving-surface, and means for operating said delivery mechanism timed in relation to the operation of said part to deliver a stamp to said receiving-surface between the arrival of the moistener and the presser-piece thereat, substantially as described.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Rochester, in the county of Monroe, in the State of New York, this 20th day of February, 1896.

GEORGE W. JENINGS.

Witnesses:

K. H. THEOBALD,  
H. E. CHASE,