

No. 870,223.

PATENTED NOV. 5, 1907.

T. S. BUCK.
STAMP.

APPLICATION FILED MAR. 4, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

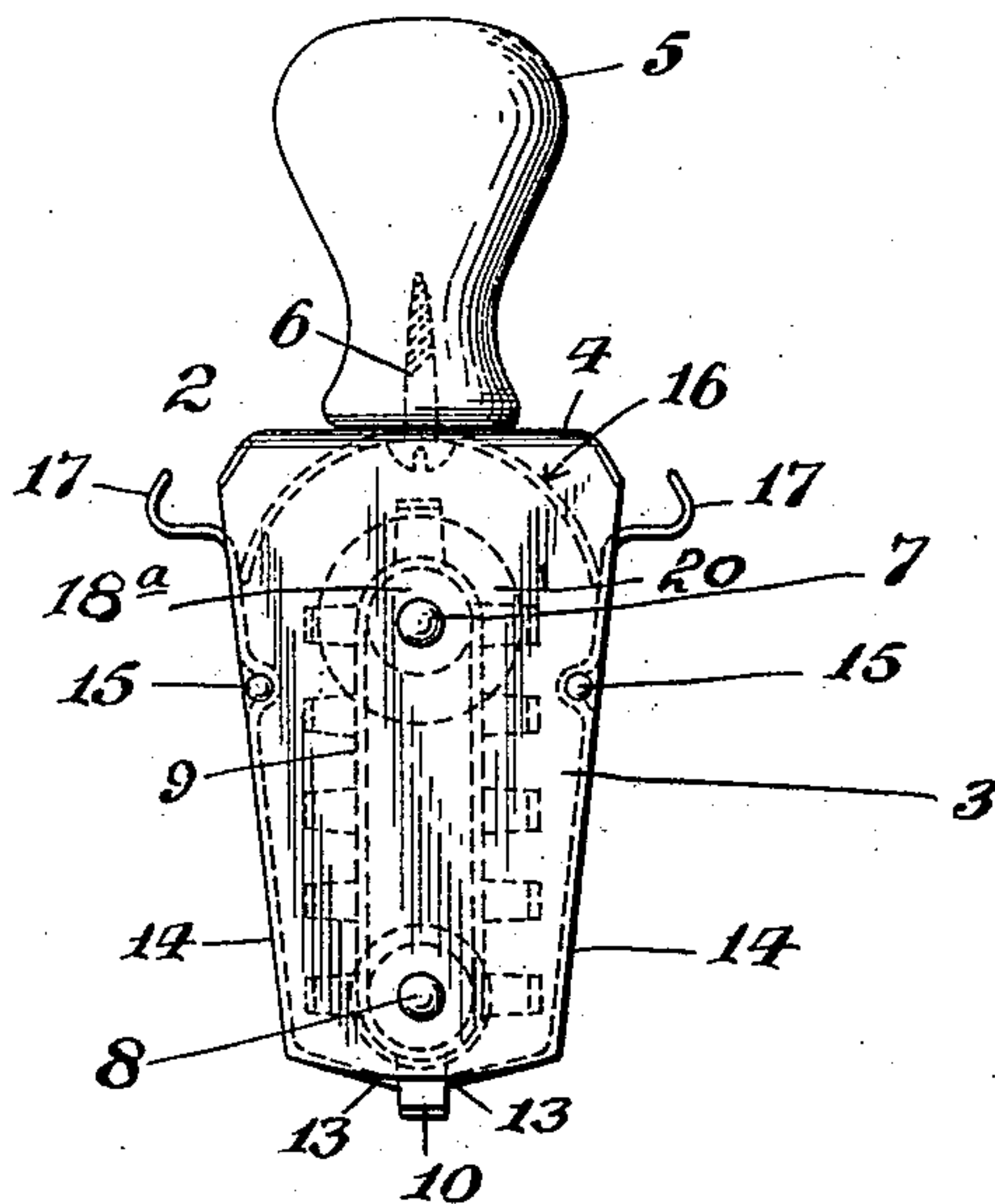
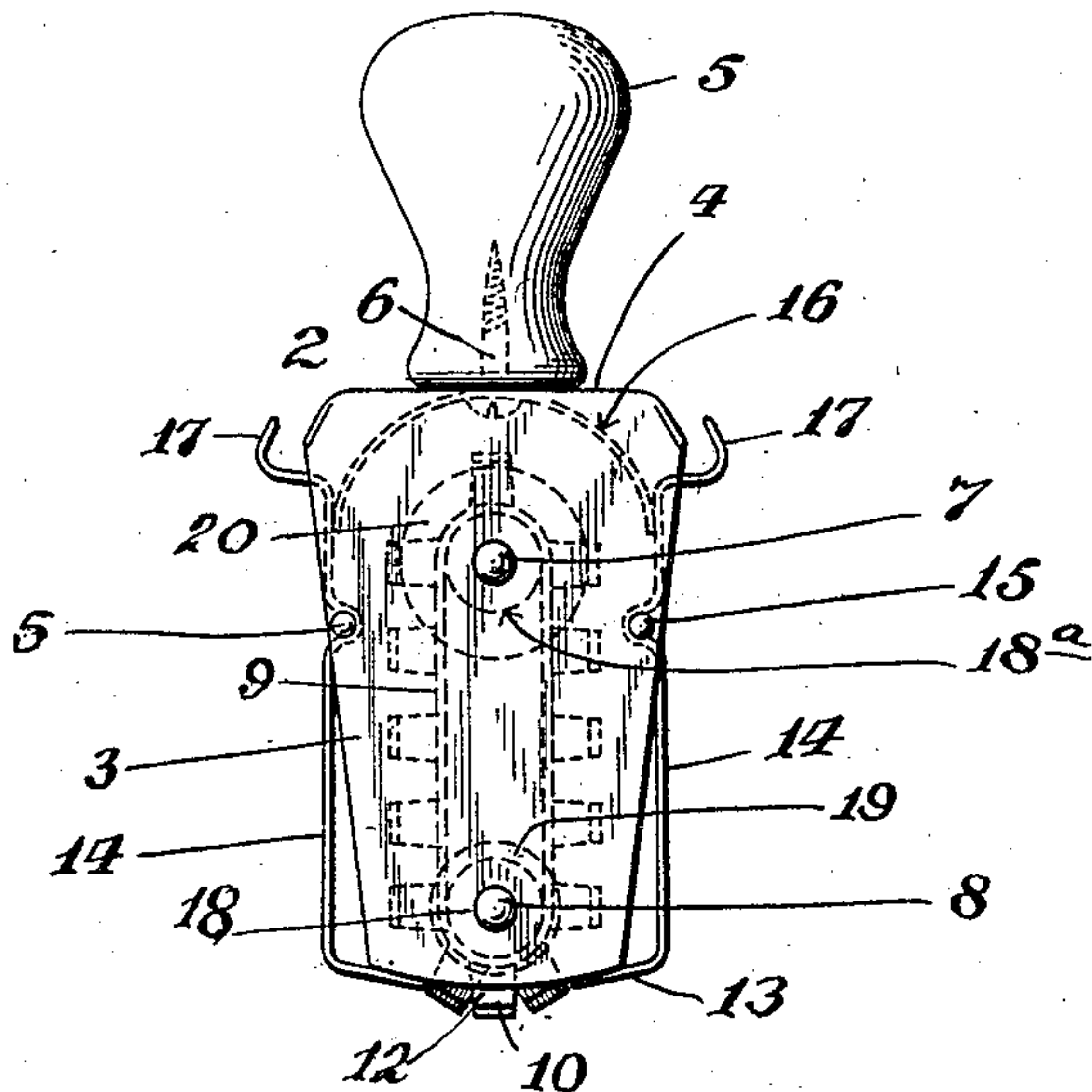


Fig. 2.



WITNESSES
Edgewood Greene
W. J. McGinnis

Taylor S. Buck INVENTOR

BY *H. A. Weech*

ATTORNEY

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2 SHEETS—SHEET 2.

Fig. 3.

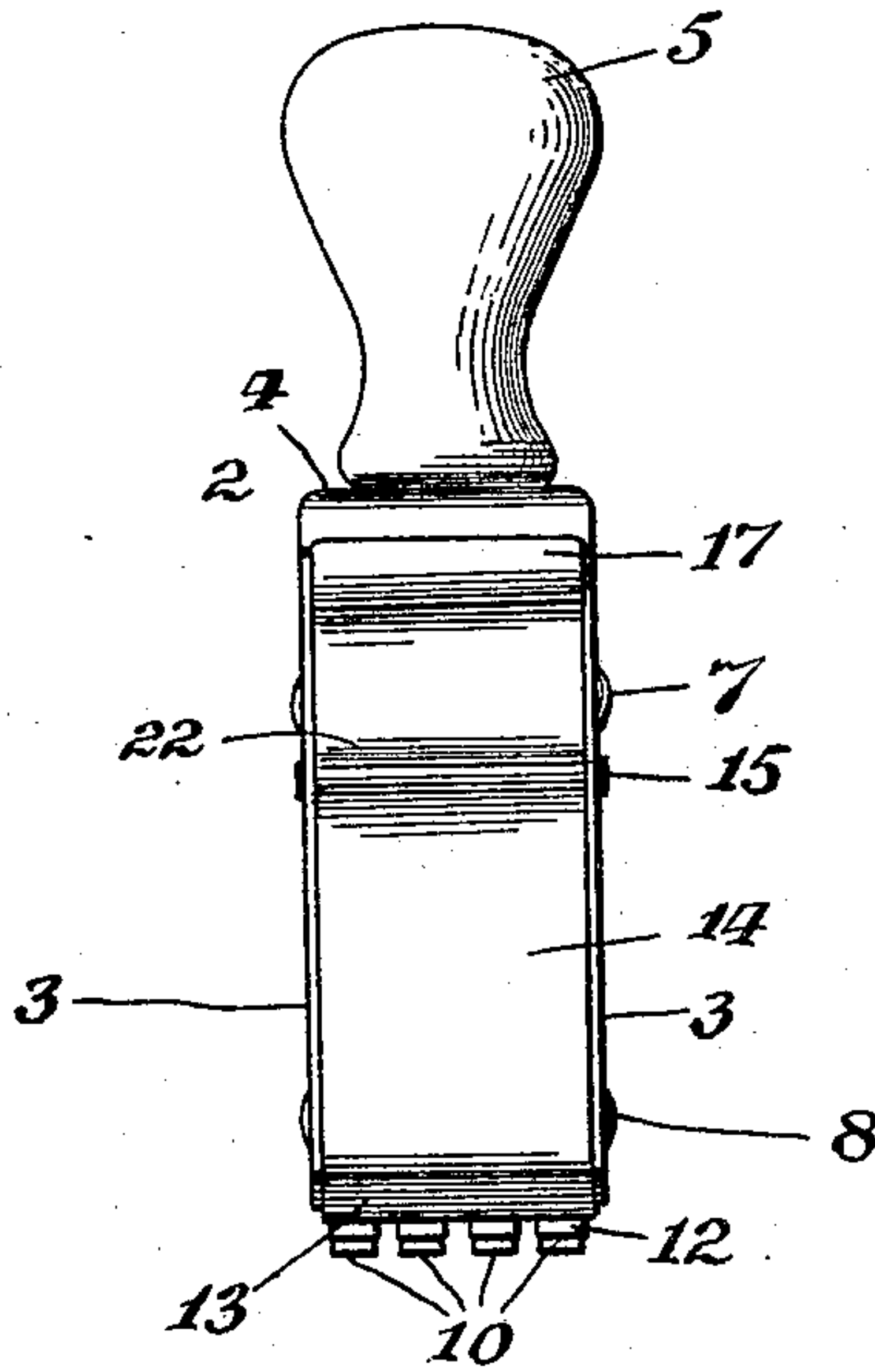


Fig. 4.

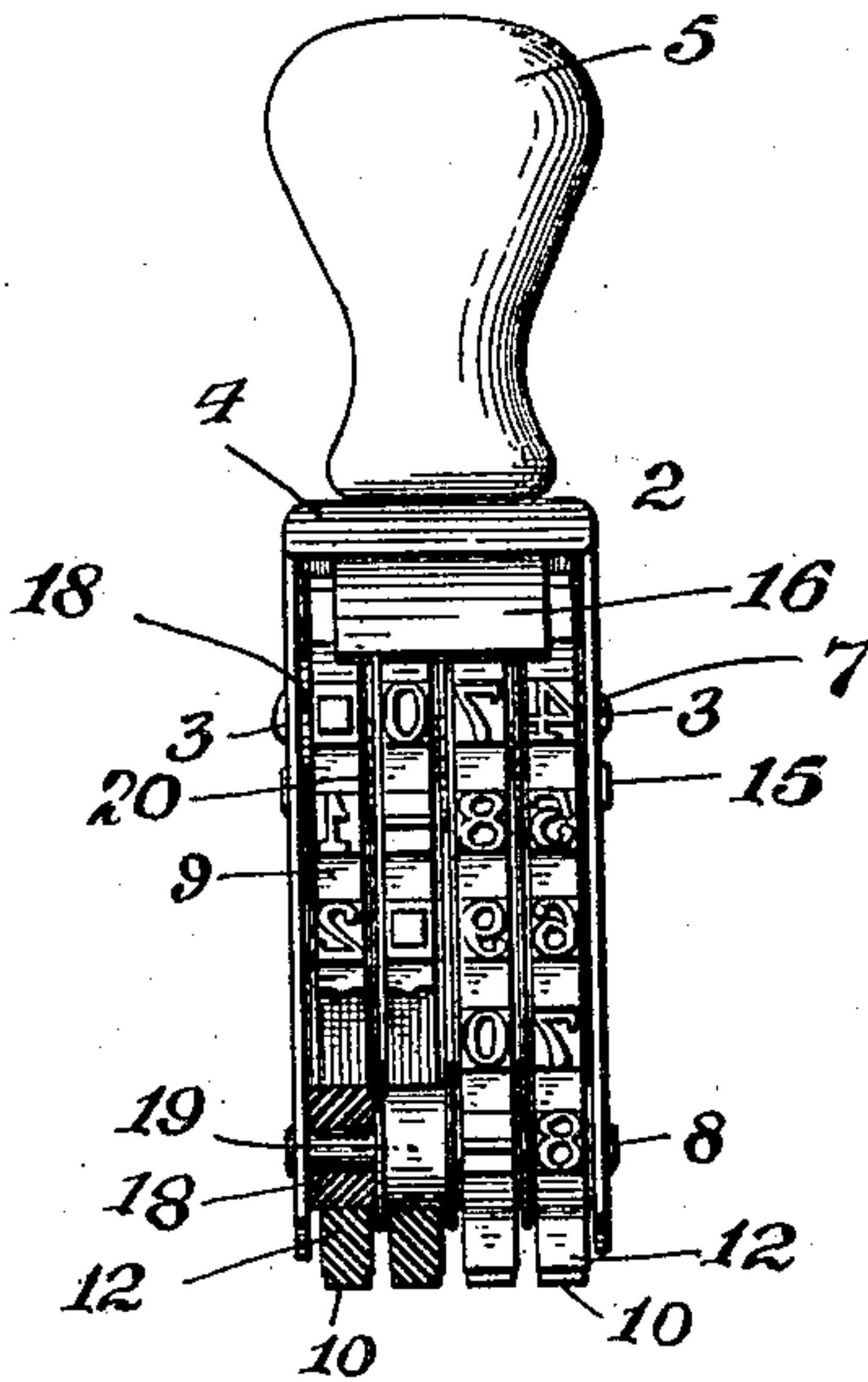
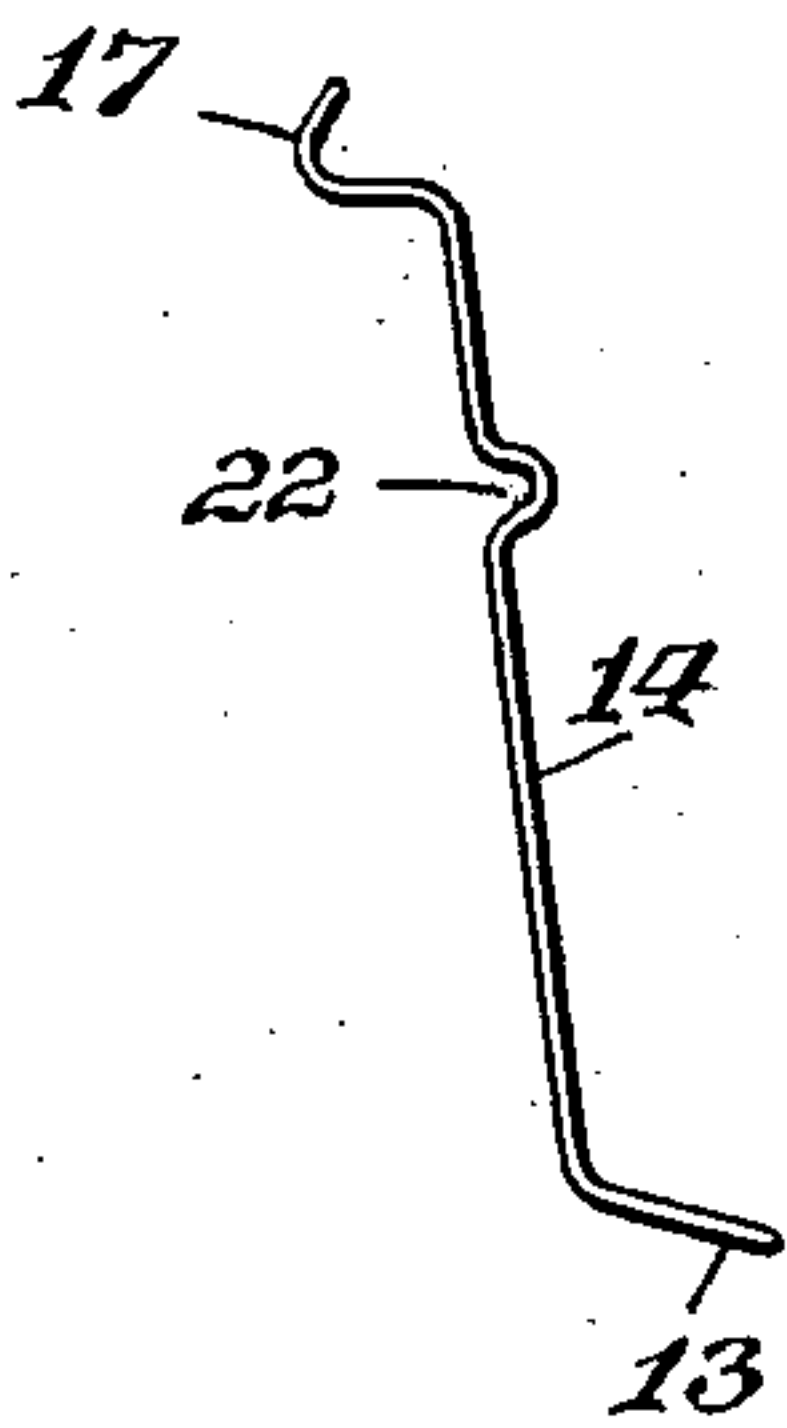


Fig. 5.



WITNESSES

Edgewood
W. McGinnis

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ATTORNEY

UNITED STATES PATENT OFFICE.

TAYLOR S. BUCK, OF NEW YORK, N. Y.

STAMP.

No. 870,223.

Specification of Letters Patent.

Patented Nov. 5, 1907.

Application filed March 4, 1907. Serial No. 360,321.

To all whom it may concern:

Be it known that I, TAYLOR S. BUCK, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have in-
5 vented certain new and useful Improvements in Stamps, of which the following is a specification.

My invention relates to an improvement in stamps of the kind wherein the type or printing characters are carried on or by means of bands adapted to be rotated
10 in the frame of the stamp, and my invention consists mainly in such construction of the stamp that legible impressions may be made upon yielding and uneven surfaces, and such that at the time of printing the type are held between clamps which operate also to auto-
15 matically aline the type previous to inking and printing.

The invention also consists in the construction, arrangement and combination of parts all as hereinafter described and claimed.

20 In the accompanying drawings to which reference is made and which form a part of this specification, Figure 1 is a front elevation of my new and improved stamp showing the type aliners and clamps closed upon the type. Fig. 2 is a like view showing the clamps
25 open and illustrating the method of shifting and alining the type. Fig. 3 is a side view of the stamp. Fig. 4 is a like view of a four-band stamp with one of the clamps removed and showing two type bands in section. Fig. 5 is an edge view of one of the clamps show-
30 ing the preferred form of construction.

In the drawings 2 designates the main frame of the stamp of any appropriate size and form of construction, but preferably composed of the cheek pieces 3, 3, and top 4, to which latter a handle 5 is secured by a screw
35 6. The cheeks 3, 3, support an upper guide rod or shaft 7, and a lower bridge or pressure bar 8. The type bands 9, as many as the stamp may be designed to receive, are held by these rods or shafts loosely so as to be adapted to be easily turned thereon
40 for bringing any of the characters 10 formed or mounted on the bands, as numbers, letters, etc., successively into position at the bottom of the stamp for printing. Preferably the type or printing characters are formed integral with the bands and both preferably of soft
45 india rubber, the type projecting by means of lugs 12 sufficiently from the bands so as to be adapted to be held at the time of printing between clamps located at the bottom of the stamp, the clamps acting below the bridge or pressure bar 8—that is, acting between
50 that part of the stamp-frame which exerts pressure upon the type in printing and the inked surface of the type. In this way I am enabled to employ very soft and yielding type so that the stamp will print legibly upon yielding surfaces, such for example as paper boxes,
55 or upon uneven surfaces, such for example as covers of wooden boxes which have become warped. Besides

enabling me to construct the stamp so that it will print legibly upon uneven surfaces the clamps serve also to automatically aline the type and to hold them in aline-
60 ment at the time of printing, and furthermore when in printing any of the type characters receive greater pressure than the others the same will be compressed back, or moved back, between the clamps, thus, while print-
65 ing themselves will not hold up the type receiving less pressure or prevent them from printing.

As here shown the clamps are composed of two opposite plates 13, which may be opened or spread apart for turning the type bands and which are closed for hold-
70 ing the type by spring action. As here shown the clamps 13 are formed as a part of the side plates or levers 14 which are fulcrumed on the rods or pins 15 held in the main frame of the stamp. The spring or springs
75 which hold the clamps upon the type as here shown is a curved piece of spring metal 16 held at the top of the stamp by the same screw 6 which holds the handle in
80 place on the main frame. For convenience in operating the clamps the upper ends of the plates or levers 14 are fashioned into finger pieces 17 enabling the upper ends of the plates or levers to be pinched together
85 against the action of the spring, thus liberating the type as shown in Fig. 2.

As above stated the type bands are loosely held upon the rods or shafts 7 and 8 so that they may be turned easily thereon by manipulating the type with the fin-
85 gers or with a pen-handle or pencil, and by preference the lower pressure rod or shaft 8 which exerts the pressure upon the type in printing is provided with a cushion 18 which allows the type to yield to pressure, thus
90 increasing the efficiency of the stamp in printing on uneven surfaces. The said cushion for each type band is by preference in the form of a ring or tube of soft india rubber placed upon the rod or shaft 8, and I prefer to space the type bands by means of the flanges 19
95 placed on the shaft as shown. Like spacing flanges 20 are mounted on the upper shaft 7, and I prefer to employ anti-friction tubes 18^a on the said upper shaft, but these may be omitted if desired.

The side plates or levers 14 are each formed with a seat 22 for the fulcrum rod 15, which seat is open at the
100 outside so that by pressing inward on the plate or lever against the action of the spring, the plate or lever may be slipped out and detached from the main frame. In this way the parts are easily assembled in the first in-
105 stance and this construction has advantage also in case of any needed repairs.

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

1. The combination with the main frame, the type bands and a pressure bar in said frame, of a pair of opening and closing devices for retaining the type below the
110 pressure bar, substantially as and for the purpose described.

2. In a stamp, a main frame, an upper rod and a pres-

sure bar held in said main frame and type bands mounted on said rod and pressure bar, in combination with a pair of spring clamps arranged to confine the type between the printing faces thereof and the said pressure bar, substantially as described.

3. A stamp comprising a main frame, an upper guide rod, a lower pressure bar, type bands mounted on said rod and bar, a pair of levers fulcrumed to said main frame and provided with clamping plates or flanges at their lower ends, and a spring for closing said clamping plates or flanges upon the type below the pressure bar, substantially as described.

4. A stamp comprising a main frame, an upper guide rod, a lower pressure bar, a cushion mounted on said pressure bar, type bands mounted on said upper rod and upon the cushion of said pressure bar, and opening and closing devices for grasping the type on the type bands below the said pressure bar, substantially as and for the purposes described.

5. A stamp comprising a main frame, an upper guide rod, a lower pressure bar, a cushion mounted on said pressure bar, type bands mounted on said guide rod and upon the said cushion of said pressure bar, a pair of levers fulcrumed to said main frame and provided with clamps at their lower ends and a spring for closing said clamps upon the type below the pressure bar, substantially as described.

6. In a stamp, a main frame having two permanent side

pieces, and a fulcrum pin held by the said side pieces so as to span the space between them, in combination with a lever fulcrumed on said pin, a clamp at the lower end of said lever, type mounted on bands held in the said frame and a spring for operating said lever, substantially as described.

7. In a stamp, a main frame having two permanent side pieces and a pair of fulcrum pins held by the said side pieces so as to span the space between them, in combination with a pair of levers fulcrumed on said fulcrum pins, type mounted on bands held in the said frame and having clamps at their lower ends and springs for closing said levers, substantially as described.

8. The main frame comprising a pair of side pieces connected to a top piece and a spring secured to said top piece in combination with side levers fulcrumed to the said side pieces, and formed with clamps at their lower ends, substantially as described.

9. The main frame having fulcrum pins at its open sides, type mounted on bands held in the said frame and a spring attached to said main frame, in combination with side plates or levers formed with a recess to engage with said fulcrum pins, and having clamps at their lower ends substantially as described.

TAYLOR S. BUCK.

Witnesses:

JACOB ROOS,

CHAS. WERNER.