F. PITMAN.

RUBBER STAMP.

APPLICATION FILED FEB. 7, 1919.

1,346,912. Patented July 20, 1920.

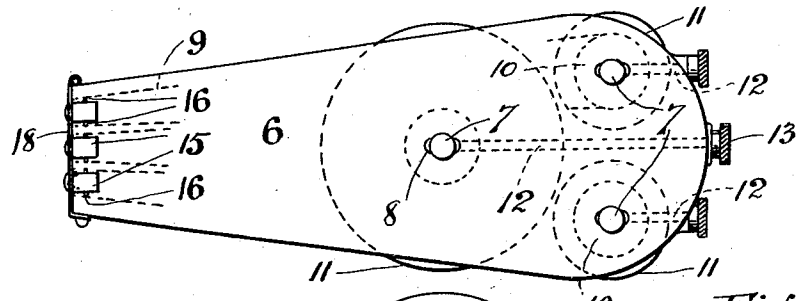


Fig. 1

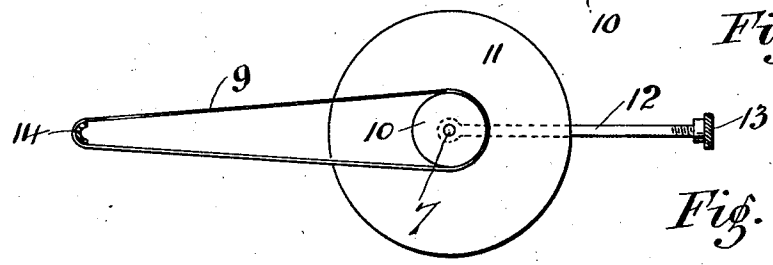


Fig. 2

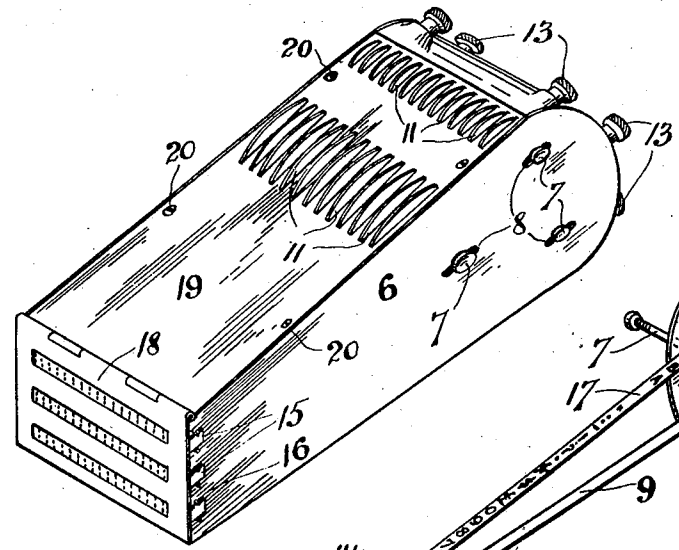


Fig. 3

Fig. 4

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UNITED STATES PATENT OFFICE.

FREDERICK PITMAN, OF EAST KEW, VICTORIA, AUSTRALIA.

RUBBER STAMP.

1,346,912. Specification of Letters Patent. Patented July 20, 1920.

Application filed February 7, 1919. Serial No. 275,562.

To all whom it may concern:

Be it known that I, FREDERICK PITMAN, a subject of the King of Great Britain, residing at "Bulla-Harre," Campbell street, East Kew, in the State of Victoria, Commonwealth of Australia, bank clerk, have invented certain new and useful Improvements in and Relating to the Construction of Rubber Stamps, of which the following is a specification.

This invention has reference to the construction of rubber stamps in which it will be possible to set various headings such as names and addresses and other matter required to be repeatedly used. The device is such that words can be spelled out and quickly set up ready for use and provision is made for more lines than one to be arranged in the appliance.

Means are also provided for locking the matter after it has been set and for adjusting the tension of the endless rubber bands carrying the letters, words, numerals or other marks used in operating the invention.

But in order to fully understand the said invention reference is made to the accompanying drawing, in which—

Figure 1 is a side elevation of the appliance.

Fig. 2 is a like inside view showing an endless band on its pulley with the setting wheel and tensioning means.

Fig. 3 shows in perspective view the stamp equipped with about fourteen (14) bands, and

Fig. 4 indicates a single band and method of marking same with letters, numerals, or other marks, in relief.

A suitable container 6 supports stationary spindles 7 in short slots 8 cut longitudinally in the sides of the container to permit of the position of the spindles being altered to adjust the tension of the rubber bands 9 that rest on pulleys 10 that are free to turn on the spindles. Formed integral with the pulleys 10 or otherwise adapted to turn therewith are disks 11 the diameters and positions of which in the container will be such that their peripheries will just come outside the container in which slots are cut for the purpose.

Attached to the spindles 7 are one or two stout rods 12 that come through the container end and are threaded to take the nuts 13 by means of which and the slots 8, the positions of the spindles 7 can be altered and the tension of the bands 9 regulated.

The said bands are endless and are made of rubber preferably lined with linen and each is passed over a pulley 10 at one end and over a bridge or head piece 14 at the other end, the bridge piece being provided with shallow ribs 15^a to keep the bands in proper alinement longitudinally in the device. The pieces 14 extend right across the head of the stamp parallel with and opposite to associated spindles 7 and are fitted at each end with a downwardly depending lug 15 that is held in position by guide studs 16, which hold the piece in position and render it easy to dismantle the same when necessary.

The bridges are fashioned with a curved smooth surface to facilitate the easy passage over same of the bands 9 as the setting wheels 11 are turned but the curve is slightly flattened at its crown to provide a seat for the letters as same come into line. The bands are cast with the letters of the alphabet, the numerals and other signs in relief upon it, and with a blank space 17 left between the beginning and the end of the said marks or signs.

In order to insure that the bands shall remain in position after the stamp has been set, I have provided a plate 18 that is hinged to the lid of the container and is provided with slits or openings that come over the type when set and through which the same protrude. The plate is adapted to press upon the bands and to be clasped or otherwise fastened to the container when the lines are set and being used, thereby keeping same in place and the letters forming the line or lines of type in proper alinement.

There is a plurality of bands 9 on each of which are the letters and figures indicated and with each band is its pulley 10 and actuating wheel 11. The number of bands employed will depend upon the number of letters or figures to be used in one line. Thus, there may be ten, twenty or more bands on each spindle, according to circumstances, and each should be long enough to take the alphabet and other marks together with the blank space 17, that will vary in length according to the position of the band in the device. A convenient form of stamp is that in which there are three spindles and sets of bands, as shown in the drawing, two spin-

dles being set toward the end of the container and the third mounted therein near the middle and out of line with the other two, thus making it possible for the several series of bands to clear each other.

The spindles 7 are preferably threaded at one end and provided with a nut to assist in assembling the device and for dismantling the same. To further assist in this direction, the lid 19 of the receptacle 6 is hinged thereto and is retained in position by screws 20, the locking plate 18 being hinged to the lid.

In operation, the wheels 11 on one of the spindles 7 are successively rotated to form a line of type upon the bridge 14: if other lines are required same will be formed from the bands upon the other spindles and when all are in position the plate 18 is brought over and fastened with the letters forming the lines coming through the openings in the plate. Thus same can be used as a rubber stamp in the ordinary way as addresses, headings, indorsements, or phrases that are required to be placed repeatedly on documents of various kinds.

To dismantle the stamp, the nuts 13 are removed from the tension rods and also from the spindles 7 which are then withdrawn: the plate 18 is unfastened and turned over upon the lid 19, the screws 20 in which are removed, and the lid lifted and turned back: the whole system is then moved slightly forward to disengage the bridges 14 and when this has been effected the whole of the parts can be lifted clear.

If required, only one line need be employed but by arranging the spindles and operating parts in the manner indicated three lines of type can be easily set.

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

In a stamp of the character described, the combination of a sheet metal casing having at one end a movable closing member provided with openings, a plurality of transverse spindles supported in the side walls of said casing, one of said spindles being located in the medial longitudinal plane of the casing and the other two spindles being disposed above said first named spindle in a common transverse plane of the casing, disks supported on said spindles, smaller disks associated with said first named disks, the larger disks projecting from the top and bottom wall of the casing, type bands trained over said smaller disks, bridge member traversing the end of the casing adjacent the removable closing member, and a plurality of threaded stems engaging the spindles and projecting through the casing, said threaded stems being adapted to adjust the distance of said spindles from said closing member independently of each other to permit of tensioning or releasing of the type bands.

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

FREDERICK PITMAN.

Witnesses:
R. N. NEWTON,
K. SHEEHY.