

No. 888,889.

PATENTED MAY 26, 1908.

F. GOTTSCHALK.
SEAL IMPRESSING OR PRINTING MACHINE.

APPLICATION FILED AUG. 19, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

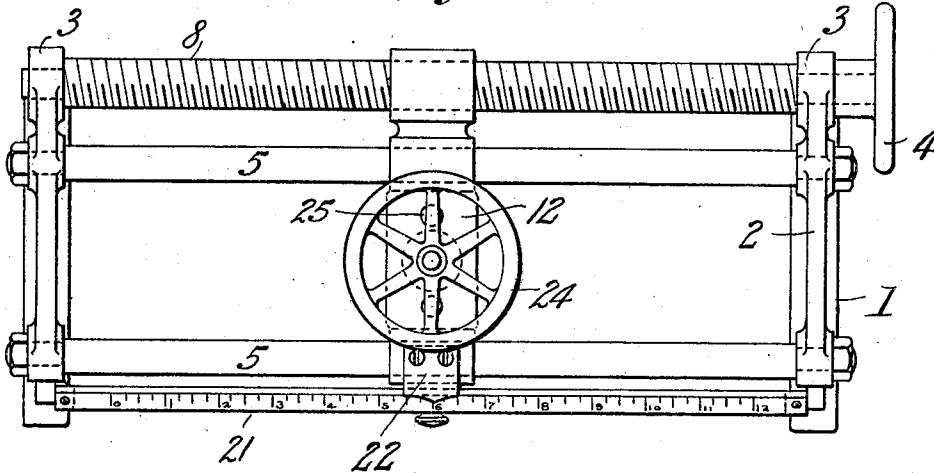
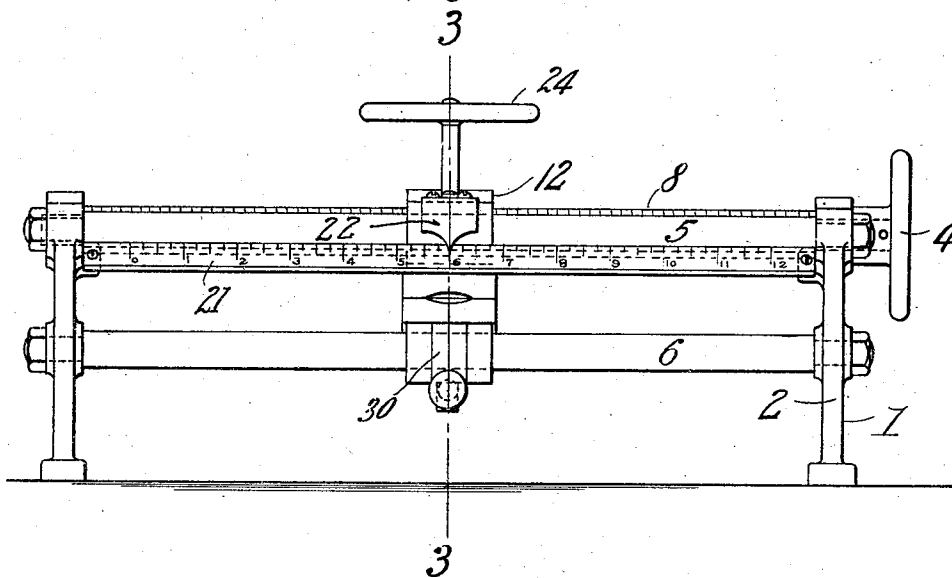


Fig. 2.



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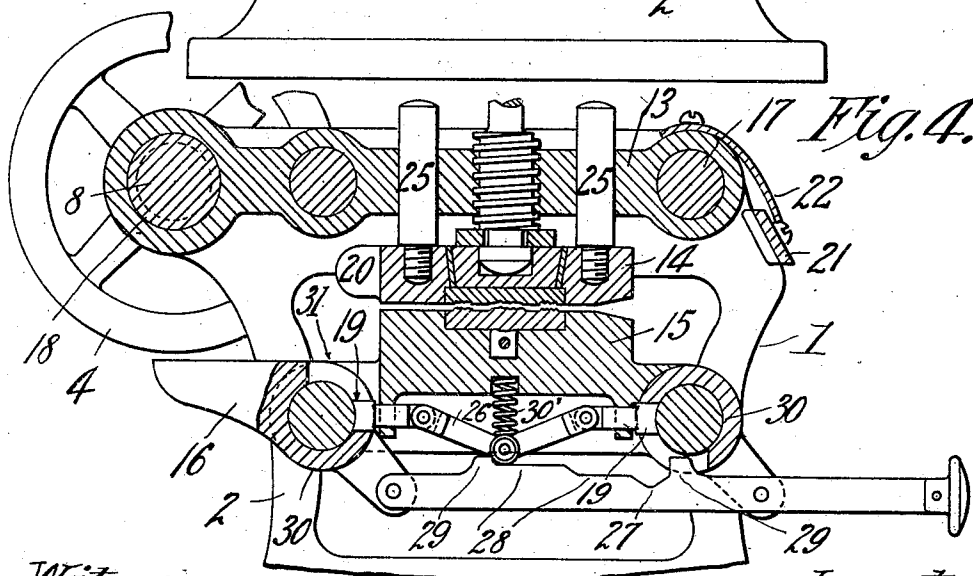
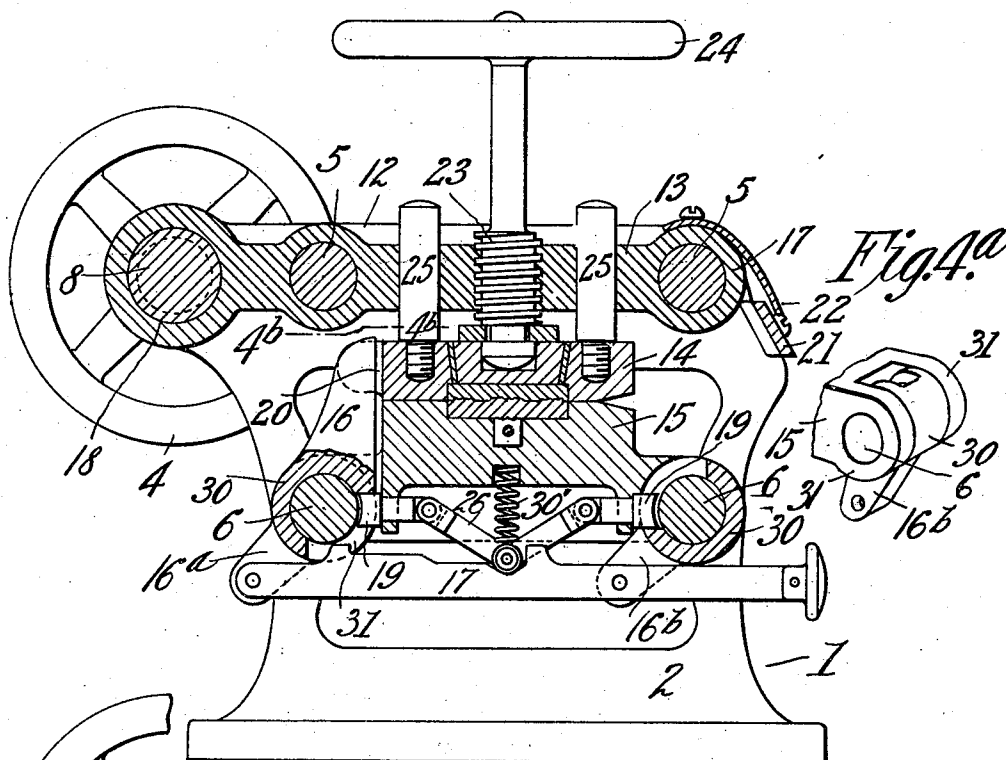
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2 SHEETS—SHEET 2.

Fig. 3.



Witnesses:

H. L. Sprague

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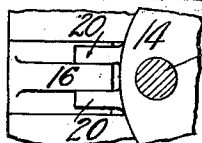


Fig. 4.

by

Inventor,
Felix Gottschalk,
Attorney.

UNITED STATES PATENT OFFICE.

FELIX GOTTSCHALK, OF NEW YORK, N. Y., ASSIGNOR TO ADJUSTABLE SEAL COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

SEAL IMPRESSING OR PRINTING MACHINE.

No. 888,889.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed August 19, 1907. Serial No. 389,136.

To all whom it may concern:

Be it known that I, FELIX GOTTSCHALK, a citizen of the United States of America, and resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Seal Impressing or Printing Machines, of which the following is a full, clear, and exact description.

This invention relates to devices for affixing seals to papers; and the object, in general, is to provide a simple and efficient device whereby the seal may be affixed with certainty upon any desired portion of the paper.

The invention includes a frame or support, and opposed die members mounted thereon for lateral adjustment, meaning by this movement parallel to the faces of the dies.

The invention further includes means whereby the adjusting movement of the two die members is rendered simultaneous, the two dies being constantly in registry, means whereby the members are held securely at any desired point of adjustment, means for indicating when the desired point of adjustment has been reached, and means for gagging the paper to be operated upon.

Further features of the invention will become apparent as the specification proceeds.

In the drawings, Figure 1 is a plan view of one form of device; Fig. 2 is a front elevation; Figs. 3 and 4 are transverse vertical sections, showing the parts in different positions; Figs. 4^a and 4^b are details.

Referring now more particularly to Figs. 1-4 (including Figs. 4^a and 4^b), the numeral 1 designates one form of frame or support, the same consisting of end uprights 2, whose inner faces serve as gages for the paper, and an upper and a lower pair of connecting rods 5, 5 and 6, 6.

Journalled at its unthreaded ends in lugs 3 at the rear and top of the frame is an operating screw 8, which may be multiple-threaded, if desired, to give quick action. Said screw is conveniently rotated by means of a hand wheel 4 at one end thereof.

12 and 15 designate the two opposed, laterally-adjustable die members. Die member 12 comprises the carriage 13, having the transverse guide-openings 17, which slidably receive the rods 5, and the threaded opening 18, which receives the screw 8, and, depending from said carriage, the die-carrier 14. A vertical screw 23, provided with hand-wheel

24, is threaded through the carriage 13 and is swiveled in the die-carrier 14, providing means for effecting the vertical, impression movement of the die-carrier. Dowels 25, secured to the die-carrier and extending upward through openings in the carriage 13, constitute suitable means for guiding the die-carrier and preventing rotation thereof.

Die member 15 is provided with two pairs of apertured lugs 31, which encircle the rods 6. The simultaneous movement of the two die members is effected in this form of the invention in the following manner: 16 is a locking lever, pivoted intermediately to one of the rods 6, between the members of one pair of lugs 31, so that the lever partakes of the adjusting movement of the die member. The upper end of this lever is designed to co-operate with a pair of ear lugs 20 on the upper die member, conveniently on the die-carrier 14; and the lower part or arm 16^a of the lever is pivoted to a cam-rod 17. The movement of this rod is guided, and its several positions rendered parallel, by means of the arm 16^b, parallel to the arm 16^a and slidably pivoted to the other rod 6 between the other pair of lugs 31 (see Fig. 4^a). This cam-rod coöperates with the central pivot of the toggle-joint levers 26, to whose outer ends are pivoted the slidable friction dogs 19, these dogs being suitably guided in the bottom of the die member 15 and operating through slots in the hub portions 30 of the arms 16^a and 16^b. The central pivot of the toggle levers rests normally in notch 27 in the rod 17, and is elevated and the dogs projected into locking position by the cam surfaces 28. Upstanding projections 29 on the rod constitute limit stops for preventing undue movement of the rod 17 in either direction. The spring 30', disposed between the toggle levers and the bottom of die member 15, serves to return the toggle to normal position and to release the dogs 19 from engagement with the rods 6.

It will be seen that the two die members are normally locked together, as to the lateral adjusting movement, and the dogs 19 released from rods 6. Rotation of the hand wheel 4 will now shift both die members simultaneously, with the dies constantly in registry. A scale 21 on the supporting frame and a pointer 22 on die member 12 constitute convenient means for indicating when the desired point of adjustment has been reached.

The rod 17 is then moved longitudinally to set the dogs 19 against the rods 6, thus locking the die member 15 in position. Die member 12, it will be obvious, is maintained in position by reason of its threaded engagement with the screw 8. The same movement which sets the locking dogs throws the locking lever 16 out of engagement with the lugs 20 and down below the surface of die member 15, as indicated in Fig. 4, so that there will be no obstruction to the insertion of the paper between the die members. When the rod 17 is returned to normal position, the spring 30' releases the dogs 19 and simultaneously the lever 16 is returned to locking position, so that, thereafter, the two die members may be slid together along the rods 5 and 6.

It will, of course, be appreciated that notwithstanding a screw 23 and hand wheel 24 have been shown and referred to as a means for operating the one die relatively to the other for impressing, other die-operating means, such as the ordinary cam and lever extensively employed on seal presses, may be used.

Having thus described my invention, what I claim as new is:

1. A device for affixing seals to papers, comprising a frame or support, a pair of opposed die members mounted thereon for lateral adjustment, an adjusting screw engaging with one of said members, means for connecting the members for simultaneous adjustment, and means for holding the other member at the desired point of adjustment.

2. A device for affixing seals to papers, comprising a frame or support, a pair of opposed die members mounted thereon for lateral adjustment, an adjusting screw engaging with one of said members, and mechanism adapted in one position to connect said members for simultaneous adjustment and to leave both members free for such movement, and in another position to disconnect the two members, permitting free insertion of a paper therebetween, and to lock the other member to the support.

3. A device for affixing seals to papers, comprising a frame or support, a pair of opposed die members mounted thereon for lateral adjustment, an adjusting screw engaging with one of said members, a device for locking the other member against adjustment, a device for connecting the two members for simultaneous adjustment, and operating means for said devices whereby when one is in operative position the other is not.

4. A device for affixing seals to papers, comprising a frame or support having guide rods, a pair of opposed die members laterally

slidable on said rods, one of said members engaging one of the rods by means of spaced apertured lugs, a lever pivoted slidably on said rod between said lugs and adapted to have locking engagement with the other member, and single adjusting means engaging with this other member.

5. A device for affixing seals to papers, comprising a frame or support having guide rods, a pair of opposed die members laterally slidable on said rods, one of said members engaging two of the rods by means of two pairs of spaced apertured lugs, a lever pivoted intermediately and slidably on one of these rods between one pair of lugs and having one of its arms extending into locking relation to the other member, an arm similarly pivoted on the other rod between the other pair of lugs and disposed parallel to the other arm of said lever, an operating cam-rod pivoted to these parallel arms, a device for locking the first-named member against adjustment operated by said cam-rod, said rod being so constructed that when the locking device is set the locking lever is released and vice-versa, and an adjusting screw engaging with the second-named member.

6. A device for affixing seals to papers, comprising a frame or support having guides, a pair of opposed die members laterally slidable on said guides, a screw engaging with one of said members for effecting the lateral sliding of both members, and locking mechanism for the other member, comprising a toggle, guide-engaging dogs carried thereby, and means for actuating the toggle.

7. A device for affixing seals to papers, comprising a frame or support having guides, a pair of opposed die members laterally slidable on said guides, a screw engaging with one of said members for effecting the lateral sliding of both members, and locking mechanism for the other member, comprising a toggle, guide engaging dogs carried thereby, and a cam rod for actuating the toggle.

8. A device for affixing seals to papers, comprising a frame or support having guides, a pair of opposed die members laterally slidable on said guides, a screw engaging with one of said members for effecting the lateral sliding of both, and locking mechanism for the other member, comprising a toggle, guide-engaging dogs carried thereby, manual means for straightening said toggle, and a spring for flexing the same.

Signed by me at New York, N. Y., in presence of two subscribing witnesses.

FELIX GOTTSCHALK.

Witnesses:

HENRY A. CROSBY,
W. H. TURNER.