No. 730,300. PATENTED JUNE 9, 1903.

E. W. SAVORY.

TABLE FOR RELIEF STAMPING PRESSES, &c.

APPLICATION FILED AUG. 27, 1901.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

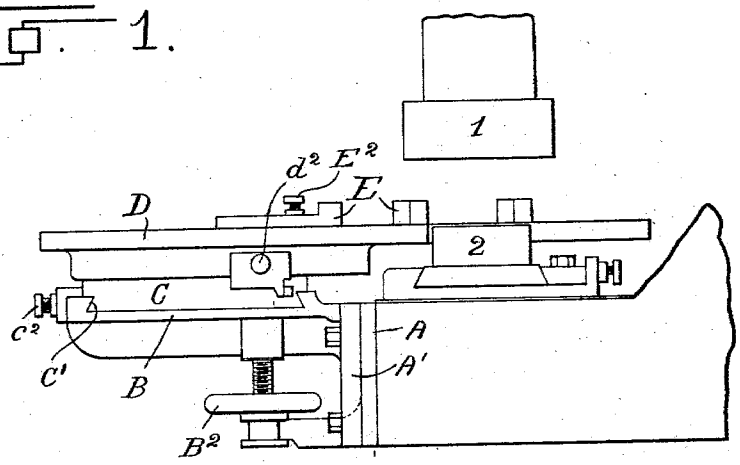
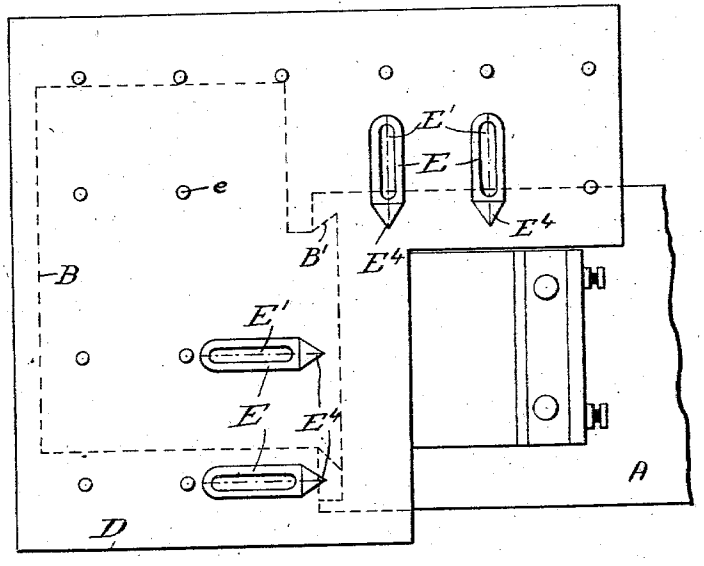


Fig. 2.



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NO MODEL. 2 SHEETS—SHEET 2.

Fig. 3

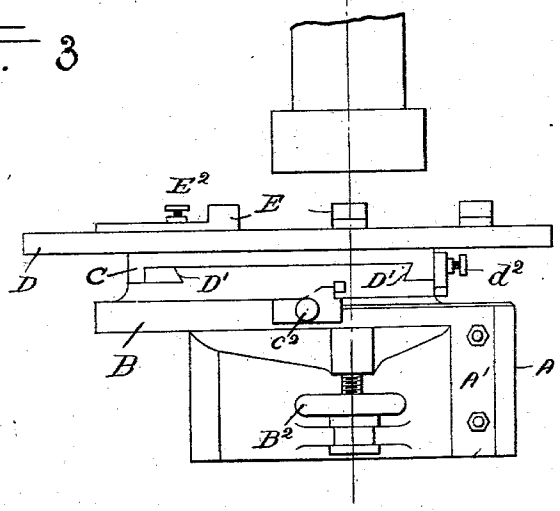


Fig. 4.

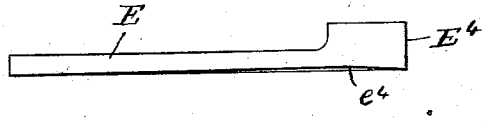


Fig. 5.



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UNITED STATES PATENT OFFICE.

ERNEST W. SAVORY, OF BRISTOL, ENGLAND.

TABLE FOR RELIEF-STAMPING PRESSES, &c.

SPECIFICATION forming part of Letters Patent No. 730,300, dated June 9, 1903.

Application filed August 27, 1901. Serial No. 73,438. (No model.)

To all whom it may concern:

Be it known that I, ERNEST WYMAN SAVORY, fine-art publisher, of 4 Rodney Place, Clifton, Bristol, in the county of Gloucester, England, have invented certain new and useful Improvements in or Relating to Tables for Relief-Stamping Presses and Like Machines, of which the following is a specification.

This invention relates to tables for relief-stamping presses and like machines, and has for its object to provide an improved means for setting and adjusting the card or other work on the table of the machine.

The invention will be clearly understood by the following description with reference to the accompanying drawings, only so much of a relief-stamping machine being shown as is necessary to clearly illustrate the invention.

Figure 1 is a side elevation of the lower part of a relief-stamping machine, showing my invention applied thereto. Fig. 2 is a plan of Fig. 1, showing guides in position. Fig. 3 is a front elevation of Fig. 1. Fig. 4 is an elevation of one guide, and Fig. 5 is a plan of Fig. 4.

1 and 2 are respectively the upper and lower stamping-dies, and A is the frame of the machine.

To carry out this invention as applied to a relief-stamping machine, the support A′ for the table may be cast on the machine-frame A or may be bolted thereto, as may be convenient. The table is formed in three parts B C D. The part B is adapted to slide vertically on the support A by means of slides B′ and is adjusted by means of hand-wheel and screw B^2. The part C has a sliding motion on B by means of a sliding connector C′, and the part D by a sliding connector D′ is adapted to slide upon the part C in a direction at right angles to the motion of said part C. By this arrangement the table can be adjusted in three directions, the parts B, C, and D being moved in regard to one another by hand or through the medium of adjusting-screws or otherwise, as convenient, and clamping-screws, such as shown at c^2 d^2, may be provided for locking the parts in position. As it is desirable to regulate the position of the card independently of the table, I provide a set of guides E, as shown in Fig. 2. The said guides can be adjusted to any desired angle or position on the table by means of slots E′ and screws E^2, entering holes *e* in the plate D, Fig. 2, and in order that the point E^4 of the guides may make a close contact with the table, and so prevent the card or paper from passing under them, a part of the under surface of the guides is removed or cut away from the point E for a suitable distance rearward, as at e^4, Figs. 4 and 5.

It will be seen that in adjusting the machine to work upon, say, cards of a particular size or shape, a card is placed in the machine between the dies and its edges are engaged on two sides by the guides E E, so that by adjusting the position of said guides or the slides C or D the horizontal position of the work in regard to the die is altered, while vertical adjustment to bring the part D in proper horizontal relation with the die 2 is effected by raising or lowering the slide B and table through the medium of hand-wheel B^2. Thus the position the work will occupy can be adjusted to a nicety and the table and guides then secured for subsequent stamping in identical position.

A portion of the supporting-table projects beyond the die and can be traveled into that position when the dies are in contact with each other. By this arrangement the table and stops can be readily and accurately set in their required relative positions. The position of the stops and dies is such that the material to be stamped can be readily placed in position and withdrawn without risk of disturbing the position of the parts, and such withdrawal may be in line with either of the horizontal motions. The gap in the table facilitates the material being placed in position and withdrawn.

What I claim, and desire to secure by Letters Patent, is—

1. A relief-stamping press comprising upper and lower stamping-dies and a supporting part adjustable in two horizontal directions, a gap in said supporting part whereby a portion of the supporting part may be traveled beyond the dies in two directions corresponding with the directions of motion.

2. A relief-stamping press comprising upper and lower stamping-dies and a supporting part horizontally and vertically adjustable, a gap in said supporting part whereby

a portion of the supporting part may be traveled horizontally beyond the dies in two directions corresponding with the horizontal motion.

3. A relief-stamping press comprising upper and lower stamping-dies, a table adapted to be traveled in a horizontal plane in two directions at right angles to one another, means for traveling said table in said directions, a gap in said table whereby a portion of the table may be traveled beyond the dies in two directions corresponding with the horizontal motion.

4. A relief-stamping press comprising upper and lower stamping-dies, a table adapted to be traveled in a horizontal plane in two directions at right angles to one another, means for traveling said table in said directions, a gap in said table whereby a portion of the table may be traveled beyond the dies in two directions corresponding with the horizontal motion, and stops disposed on that part of the table which is adjacent to the dies when a portion of the table is disposed beyond the dies.

5. A relief-stamping press comprising upper and lower stamping-dies, a table adapted to be traveled in a horizontal plane in two directions at right angles to one another, means for traveling said table in said directions, a gap in said table whereby a portion of the table may be traveled beyond the dies in two directions corresponding with the horizontal motion, and stops disposed on that part of the table which is adjacent to the dies when a portion of the table is disposed beyond the dies, said stops being adjustable and formed with cut-away under faces, substantially as and for the purposes set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ERNEST W. SAVORY.

Witnesses:

EDWARD ARUNDEL PETTER,

H. SYDNEY BRODERICK.