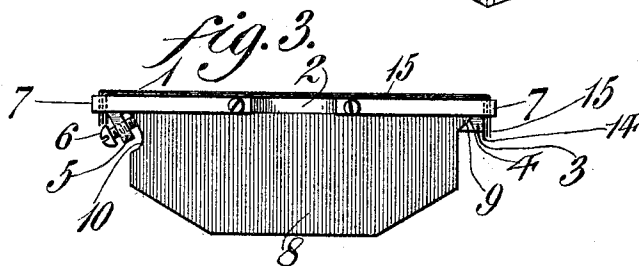
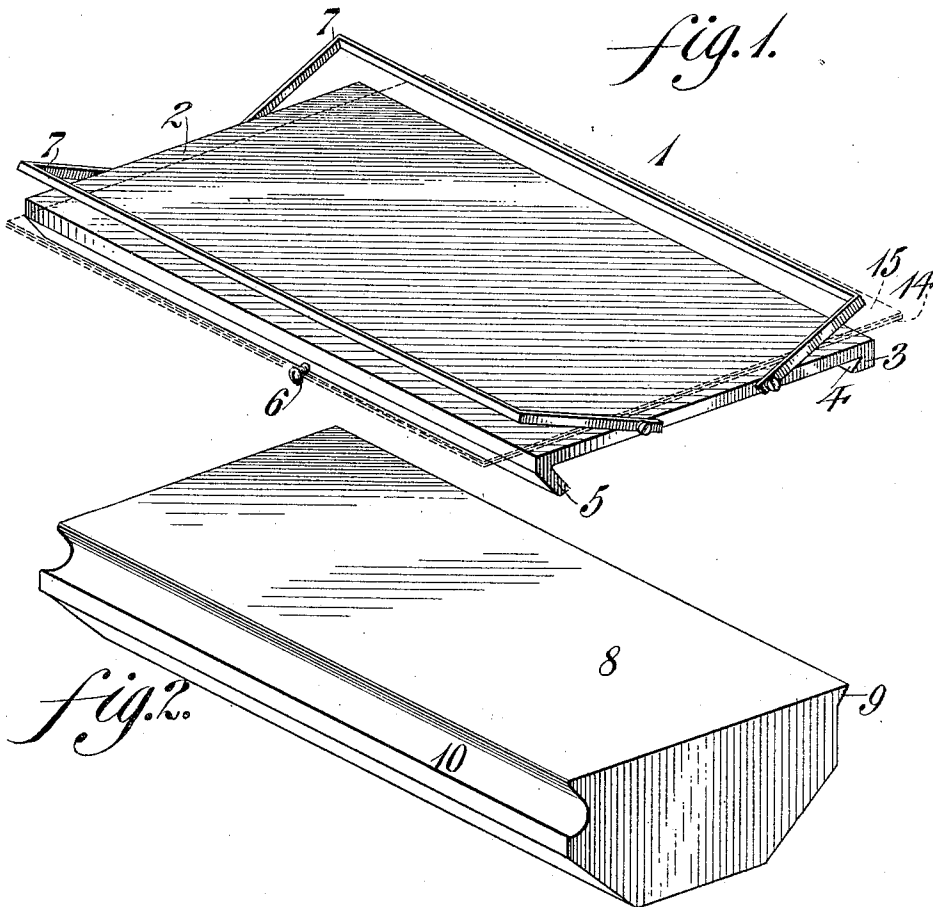


No. 806,739.

PATENTED DEC. 5, 1905.

W. FULLARD.
TYMPAN PLATE FOR PRESSES.
APPLICATION FILED NOV. 8, 1904.

2 SHEETS—SHEET 1.



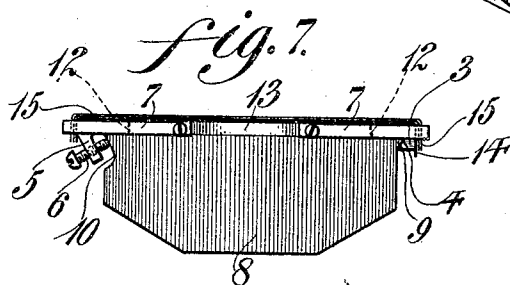
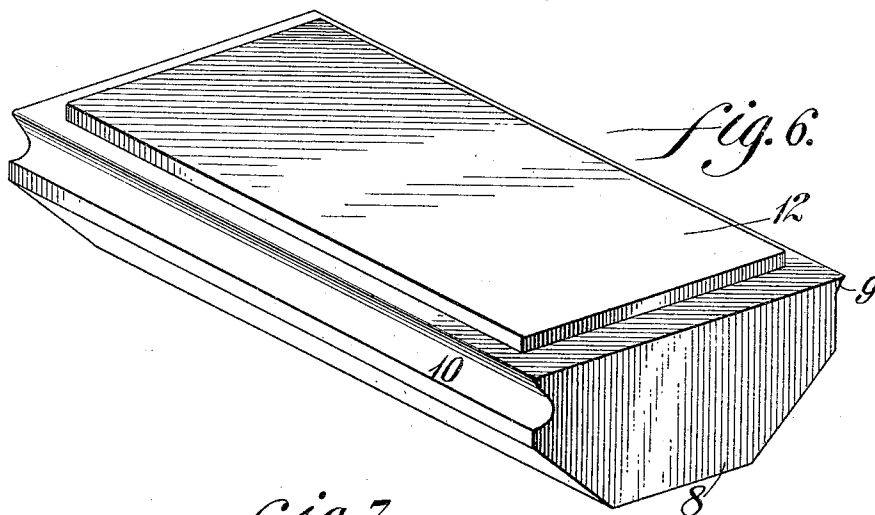
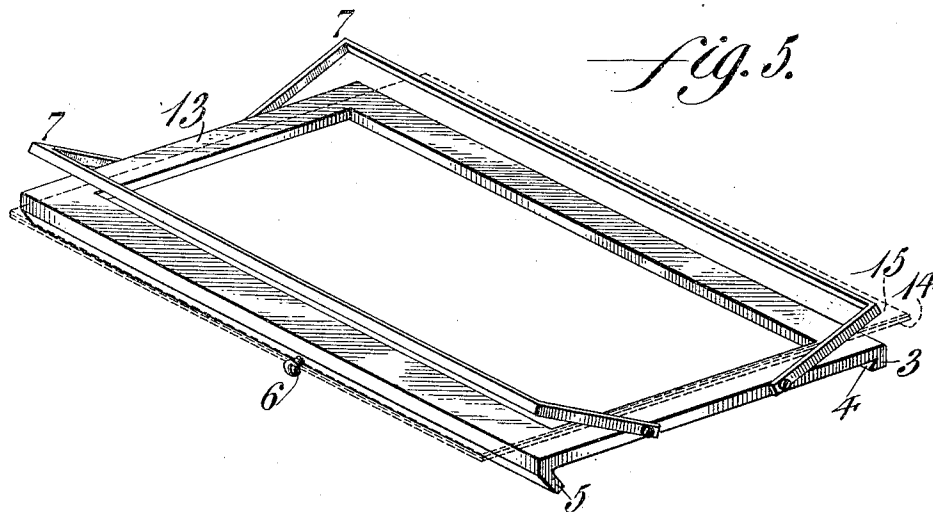
Witnesses
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P. F. Angle, 6
Inventor
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

WILLIAM FULLARD, OF PLAINFIELD, NEW JERSEY, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNITED PRINTING MACHINERY COMPANY, A CORPORATION OF MAINE.

TYMPAN-PLATE FOR PRESSES.

No. 806,739.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed November 8, 1904. Serial No. 231,860.

To all whom it may concern:

Be it known that I, WILLIAM FULLARD, a citizen of the United States, residing at Plainfield, county of Union, State of New Jersey, have invented a new and useful Tympan-Plate for Presses, of which the following is a specification.

My invention consists of a novel construction of a tympan-plate for presses whereby while the "make-ready" is being prepared the press can still be put into operation.

It further consists of novel details of construction, all as will be hereinafter fully set forth.

Figure 1 represents a perspective view of a tympan-plate embodying my invention. Fig. 2 represents a perspective view of the platen to which the plate is applied. Fig. 3 represents the parts in operative position. Fig. 4 represents a side elevation of a portion of the device, showing slightly-different form of attachment. Fig. 5 represents a perspective view of a tympan-plate similar to that shown in Fig. 1, excepting I have removed a portion of the same. Fig. 6 represents a perspective view of a form of platen which is used with the plate shown in Fig. 5. Fig. 7 represents a side elevation showing the parts in position.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, 1 designates a tympan-plate embodying my invention, which consists of the body portion 2, which is a flat surface and from which depends the lug 3, having the inclined face 4 on the inner side. 5 designates a lug extending upon the other edge of the plate 2 and through which passes a screw 6 for securing the plate in position.

7 designates arms, which are pivotally secured to the plate 2, which are adapted to lock the paper, &c., in position on the plate.

8 designates the platen of the machine, which is provided with the inclined upper side edge 9 and which is adapted to engage with the inclined face 4 of the lug 3 when the plate is in position, as best seen in Fig. 3. In the construction shown in Fig. 2 I have formed a recess 10 in one side of the platen, which allows for the depending lug 5 of the plate and the said screw 6, as seen in Fig. 3; but, if desired, I may make the lug as shown in Fig. 4, in which the lug 11 depends at sub-

stantially a right angle to the plate and in which event the side of the platen is also made straight.

In the form shown in Fig. 5 the tympan-plate is the same as explained in connection with Fig. 1, excepting I have cut away the central portion of the body or plate 2, forming substantially a frame, the operation being the same as is the case with the plate shown in Fig. 1, excepting that in the platen I provide the raised portion 12, (shown in Fig. 6,) which is adapted to closely fit the cut-away portion of the frame 13 in order that there will be a smooth bearing-surface for the parts when the parts are connected and the machine is in operation.

In the devices now in use the platen forms part of the machine and the make-ready or tympan is secured to this platen. Said make-ready, as well known in the art, consists of a suitable stiff cardboard, over which is mounted or held a plurality of sheets of paper, and in the drawings the cardboard is shown at 14 and the paper at 15, and when the make-ready is being prepared the machine cannot be operated, the disadvantages of which are evident, since it may take not only hours, but may be days, in which to suitably prepare said make-ready. In the invention shown in the present case the plate 2 can be readily secured to or removed from the platen of the machine, and if it is desired to prepare the make-ready the plate 2 is locked in position on the platen 8 and the impression made on the make-ready. The said plate 2 can then be removed and with it the make-ready and taken to any convenient point for preparing the said make-ready, while the machine or press can be used for other work. When the make-ready is completed, the plate 2 is replaced upon the platen 8 and locked in position, it being seen that by means of the inclined faces 4 and 9 and the set-screw, the said plate 2 will be quickly and easily brought into the proper position in order to register and the machine can be operated. Either of the constructions seen in Figs. 1 and 5 is employed, since it will be evident that they are similar, the only difference being that the platen must be provided with the raised portion 12 in case the frame 13 is used.

It will be evident that various changes may be made by those skilled in the art

which will come within the scope of my invention, and I do not, therefore, desire to be limited in every instance to the construction herein shown and described.

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

1. In a device of the character described, a platen having one of its upper edges inclined, 10 a plate adapted to be secured to said platen, a lug depending from said plate and having an inclined face adapted to engage with said inclined edge on said platen, a second lug depending from said plate and a set-screw carried 15 by said lug and adapted to abut against said platen, whereby the said platen and plate may be positively and firmly held with respect to each other.

2. In a device of the character described, a 20 platen having an inclined upper side edge, a raised portion on the upper face of said

platen, a plate adapted to be secured to said platen having a cut-away portion which fits into said raised portion on said platen, a lug 25 depending from said plate having inclined faces adapted to engage with said inclined edge on said platen and means for locking said plate and platen together.

3. In a device of the character described, a platen having an inclined upper side edge, a 30 plate adapted to be secured to said platen, means on said plate provided with an inclination which is adapted to engage with said inclined edge on said platen and means carried 35 by said plate and adapted to abut against said platen whereby the latter and said plate may be positively and firmly held with respect to each other.

WILLIAM FULLARD.

Witnesses:

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FLORENCE BIJEN.