No. 768,021. PATENTED AUG. 23, 1904.

J. W. ALLERS.

# TYMPAN GUIDE AND HOLDER FOR PRINTING PRESSES.

APPLICATION FILED MAY 1, 1903. RENEWED JAN. 14, 1904.

NO MODEL.

FIG. 1.

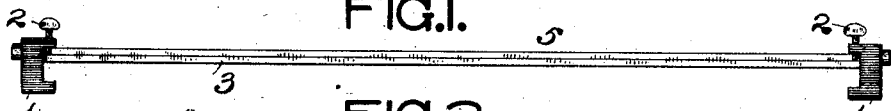



FIG. 2.

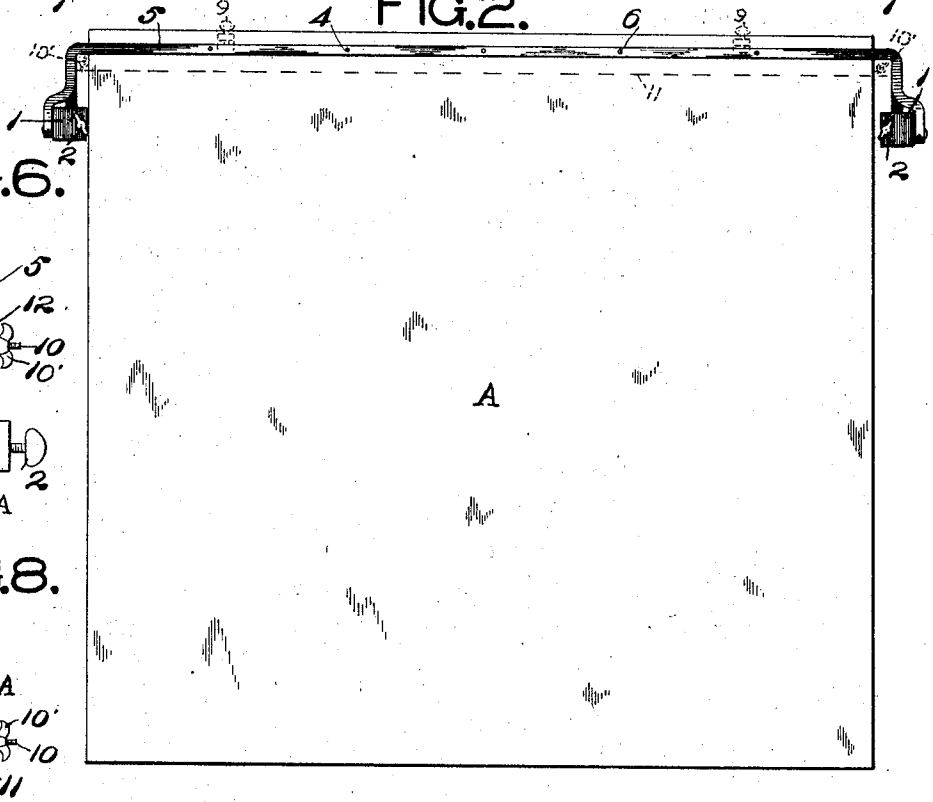



FIG. 6.

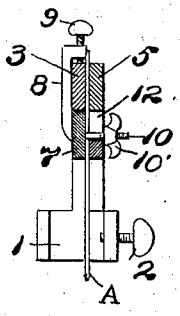



FIG. 8.

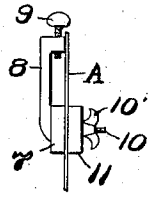



FIG. 5.

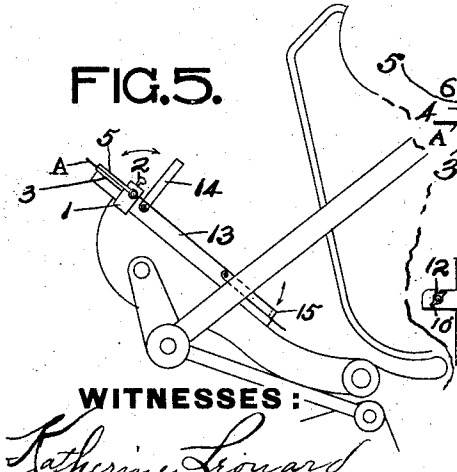



FIG. 4.

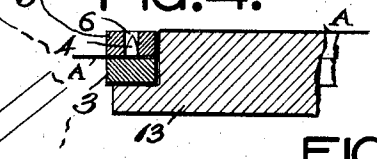



FIG. 3.

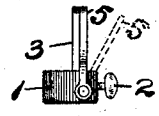
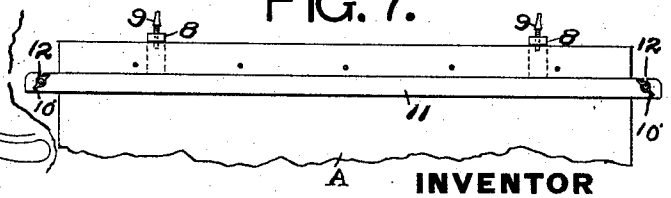



FIG. 7.




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No. 768,021. Patented August 23, 1904.

# UNITED STATES PATENT OFFICE.

JOHN WILLIAM ALLERS, OF PITTSBURG, PENNSYLVANIA.

## TYMPAN GUIDE AND HOLDER FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 768,021, dated August 23, 1904.

Application filed May 1, 1903. Renewed January 14, 1904. Serial No. 189,060. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WILLIAM ALLERS, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Tympan Guides and Holders for Printing-Presses, of which improvement the following is a specification.

This invention relates to new and useful improvements in tympan guides and holders for printing-presses.

The object of my invention is to provide means whereby the "tympan" and "make-readies" of job-printing presses may be removed from the press when occasion demands and again replaced in exactly the same position it formery occupied, thereby saving the time and labor of preparing a new make-ready for the job when it again goes to press.

In accompanying drawings I have in various ways illustrated my improvements, in which drawings—

Figure 1 is a front view of the holder for removing the tympan from the press. Fig. 2 is a plan view of said holder, showing the tympan secured therein. Fig. 3 is an end view of said holder. Fig. 4 is a sectional side view through portions of the holder, tympan, and press-platen, showing the application of the tympan and holder thereto. Fig. 5 is a side view of a portion of a job-press, showing the application of the holder and tympan thereto. Fig. 6 is an end view of the tympan and holder, showing the resetting-guide attachment therewith. Fig. 7 is a plan view of a portion of the tympan with the resetting-guide attached. Fig. 8 is an end view of said tympan and resetting-guide.

This invention consists of a holder for temporarily securing one end of the tympan previous to removal and insuring the tympan being again replaced after once being removed in exactly the same position it previously occupied.

The holder consists of a pair of grooved guide-blocks 1, provided with set-screws 2 and having integral therewith the bent bar 3, which bar is provided at suitable intervals with pointed pins 4. Another similarly bent bar 5 is pivotally attached at its ends to said guide-block and is provided with openings 6 to register with the pins of the other bar. A supplemental portion or guide-clamp is also employed in connection with the holder proper, consisting of a bar 7, having integral therewith the laterally-disposed clamps 8, provided with set-screws 9, which bar also carries near its ends screws 10, provided with thumb-nuts 10′ to secure the other bar member 11 thereto, said member 11 being provided with open slots 12, engaged over the screws.

In practice the tympan-sheets A are attached to the press-platen 13 by the pivoted elongated U-shaped tympan clamps or bails 14 and 15, engaging over the upper and lower edges of the platen in substantially the same manner as heretofore. Now should it be desired to remove the tympan-sheets the clamp 14 is elevated, as shown in Fig. 5, thus releasing that end of the tympan-sheets. The holder is then slipped over the upper end of the platen and clamped in such position by the screws 2 as will permit the bars 3 and 5 occupying the offset space along the upper edge of the platen formally occupied by the said clamp or bail 14. The pivoted bar 5 of the holder is then raised and the tympan end drawn therebetween and secured upon the pins 4, after which the said bar 5 is returned to its normal position, thus clamping the tympan in exactly the same position as formerly. The bail or clamp 15 is then raised to release that end of the tympan, after which the holder and tympan are removed intact, as shown at Fig. 2. The supplemental portion or guide-clamp is then clamped to the holder and tympan, as shown at Figs. 2 and 6. The guide-clamp is then unclamped from the holder and the latter removed for future service, leaving the tympan and guide-clamp intact, as shown at Figs. 7 and 8. This tympan may then when occasion demands be replaced exactly in the same position it formerly occupied upon the holder and the holder replaced in the same position upon the press-platen previous to again restoring the tympan to its original position.

It is to be understood that a number of like guide-clamps is to be employed for various tympans and that one holder will suffice, also

that the holder proper may be in some cases employed without the supplemental portion.

Having thus fully shown and described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A tympan guide and holder for job-printing presses, comprising a pair of clamp-bars hingedly connected at their ends adapted to clamp one end of the tympan-sheet therebetween and provided at said connecting ends with means to secure the same to the press-platen, and a pair of supplemental guide-clamp bars adapted to engage the same end of said tympan therebetween and provided with means to engage the said hinged clamp-bars, substantially as shown and set forth.

2. A tympan guide and holder for printing-presses, comprising a pair of elongated U-shaped clamp-bars hingedly connected at their ends adapted to clamp one end of the tympan-sheet therebetween and provided at said connecting ends with means to secure the same to the press-platen, and a pair of supplemental guide-clamp bars adapted to engage the same end of said tympan therebetween and provided with means to engage the said hinged clamp-bars, one of said hinged bars being provided with pins at its tympan-engaging surface and the other with openings to receive said pins, substantially as shown and set forth.

3. A tympan guide and holder for job-printing presses, comprising a pair of clamp-bars hingedly connected at their ends adapted to clamp one end of the tympan-sheet therebetween, and members at the connecting ends to secure the same to the press-platen, as shown and set forth.

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

JOHN WILLIAM ALLERS.

In presence of—

RICHARD S. HARRISON,

S. J. TOOLE.