

R. W. Thing.
Registering Apps.
N^o 105,518. Patented Jul. 19, 1870.

Fig: 4.

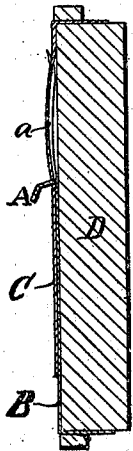


Fig: 3.

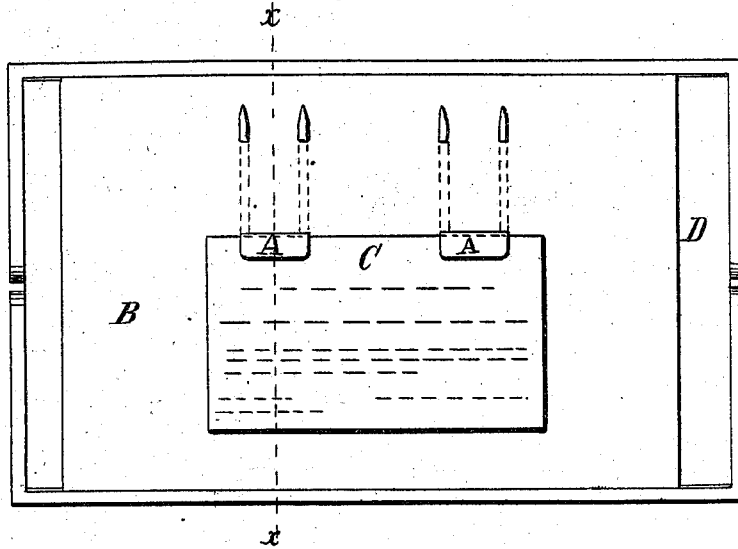


Fig: 2.



Fig: 1.



Witnesses:

N. C. Lombardi
Frank H.ley

Inventor:

R. W. Thing.

United States Patent Office.

R. W. THING, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND DAVID T. PRAY, OF SAME PLACE.

Letters Patent No. 103,518, dated July 19, 1870.

IMPROVEMENT IN GAUGE-PINS FOR TYMPAN-SHEETS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, R. W. THING, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful article for Printers use, which I denominate a "Tympan-sheet Gauge-Pin;" and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, and the letters of reference marked thereon, in which—

Figure 1 is plan of my new gauge-pin.

Figure 2 is an edge view of the same.

Figure 3 is a plan of the platen of a printing-press, showing the gauge-pins as applied to the tympan-sheet with a card resting against them.

Figure 4 is transverse section on line *x x*, on fig. 3.

In order to do a good job of printing on a press that has to be fed by hand, it is necessary to have some sort of a gauge against which the sheet or card to be printed is placed; and by which it is registered accurately with relation to the form of type.

Heretofore, printers have used a piece of type-metal called "quadrat," or a piece of wood denominated a "reglet," applied to the tympan-sheet by means of mucilage, gum, or glue.

Gauges applied as above explained are very objectionable, on account of the trouble of attaching them properly to the tympan-sheet, as, if they are not placed right in the first instance, they have to be removed and again gummed or glued on, and if the next form to be printed from happens to be larger than the one just printed from, the tympan-sheet has to be removed and a new one supplied, or the gum remaining on the tympan-sheet would injure the type.

Another objection to the gauges now in use is that they are very liable to come off, as the gum does not hold them so firm but that a slight blow or rap will remove them, and, if left standing over night in cold weather, the frost from the iron of the bed or platen to which the tympan-sheet is attached will start them off,

so that they have to be gummed on again in the morning.

To provide a substitute for the old gauges, applied as above stated, that shall obviate the objections above named, is the object of my invention.

My invention consists of a gauge made of metal or any other suitable material, and provided with one or more pins or prongs to be inserted into the tympan-sheet, as shown in figs. 3 and 4.

It also consists in giving to the pins or prongs a curvature upward near the middle of their length, as shown at *a*, fig. 2, which serves the purpose of a spring to keep them in place by the friction upon the tympan-sheet, and this curve also serves the purpose of taking up any slack there may be in the tympan-sheet.

I do not wish to be considered as confining myself to the particular form represented, as they may be made of various forms without affecting the principle.

In the drawings—

A is the gauge.

B, the tympan-sheet.

C, the card or sheet to be printed upon.

D is the platen to which the tympan-sheet is attached.

The gauge-pins are applied to the tympan-sheet as clearly shown in figs. 3 and 4.

Having thus described my invention,

What I claim as new, and for which I desire to secure Letters Patent, is—

The within described gauge-pin, whether made with one, two, or more pins or prongs, as a new article of manufacture.

Executed at Boston this 17th day of February, 1869.

R. W. THING.

Witnesses:

N. C. LOMBARD,

FRANK ALLEN.