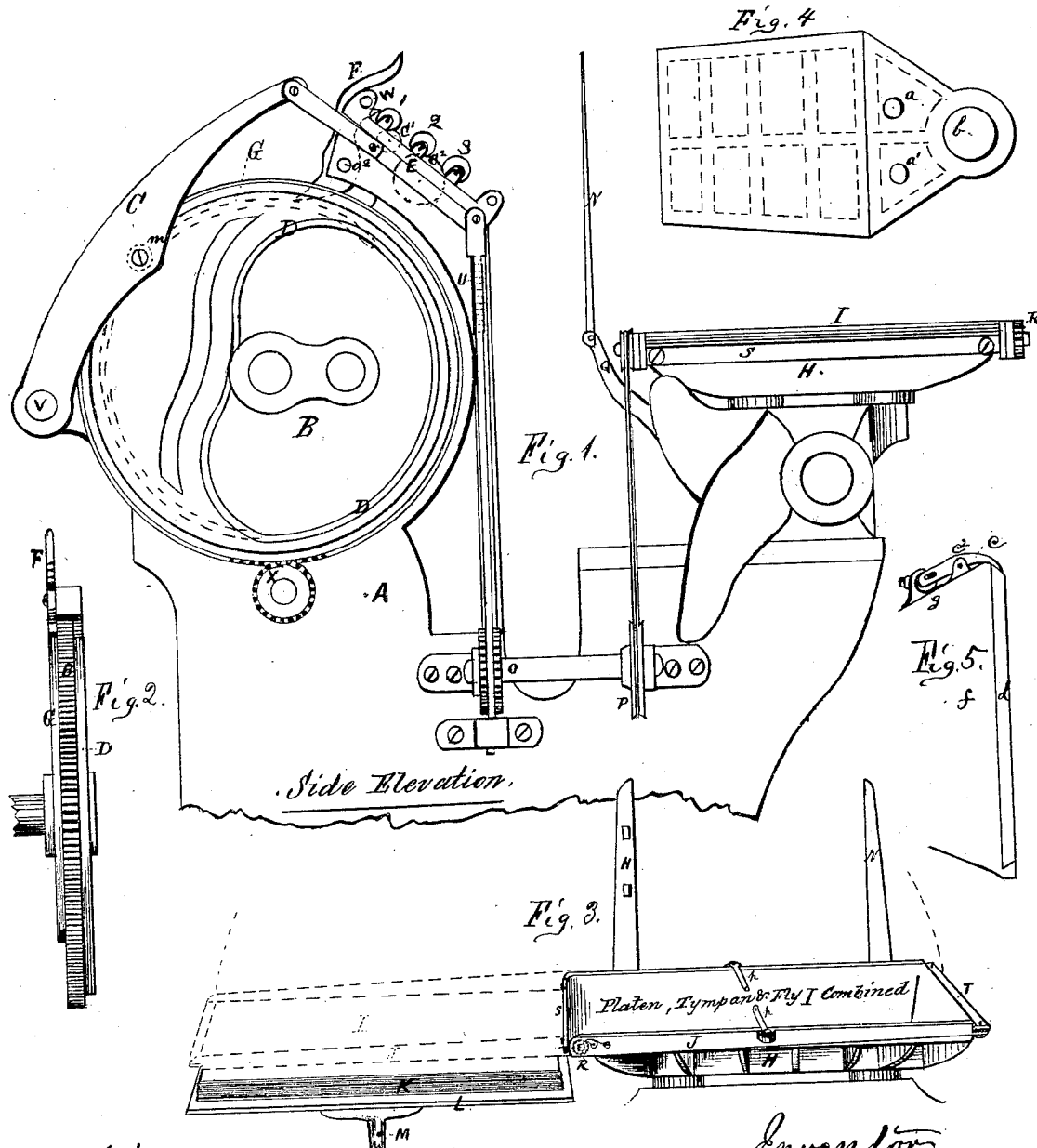


M. GALLY.
PRINTING PRESS.

No. 114,285.

Patented May 2, 1871.



Witnesses
J. C. McNeal
E. D. Thomas

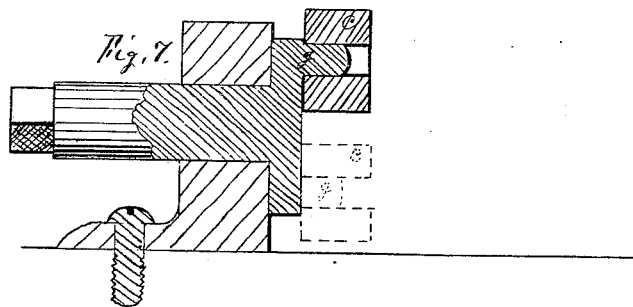
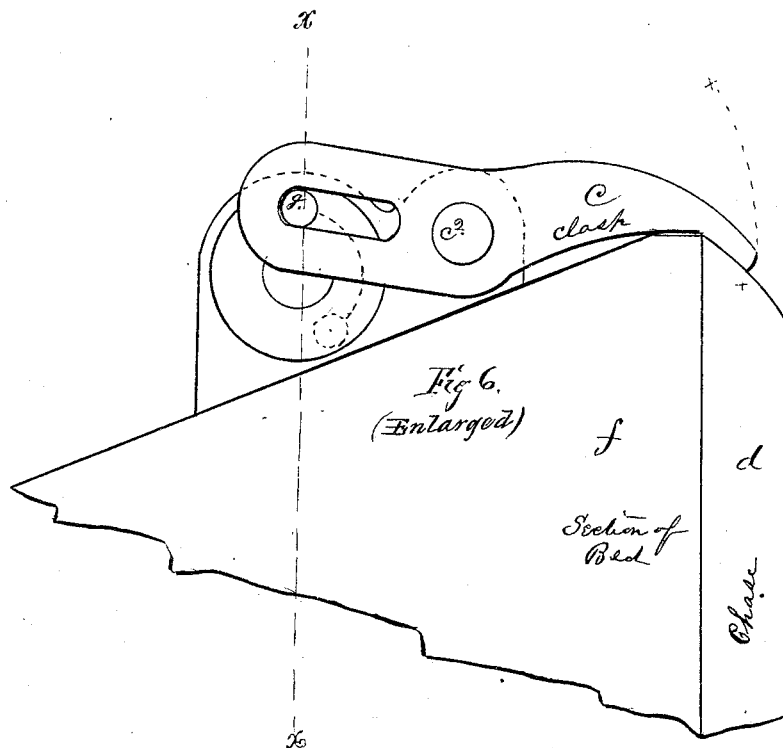
Inventor
Merritt Gally
Rochester N. Y.

M. GALLY.
PRINTING PRESS.

2 Sheets—Sheet 2.

No. 114,285.

Patented May 2, 1871.



Witnesses.

E. D. Thomas.

L. C. McNeal.

Inventor

Merritt Gally,

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United States Patent Office.

MERRITT GALLY, OF ROCHESTER, NEW YORK.

Letters Patent No. 114,285, dated May 2, 1871.

IMPROVEMENT IN PRINTING-PRESSES.

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

I, MERRITT GALLY, of Rochester, in Monroe county and State of New York, have invented certain Improvements in Printing-Presses, of which the following is a specification.

The first part of my invention consists in such a construction and arrangement of the tympan of a printing-press as to allow such tympan to be used as a fly for piling the sheets after the impression has been made upon them.

The second part of my invention consists in the construction and use of a crank in combination with and for the purpose of working the clamp which holds the chase in place against the bed of the press.

In the accompanying drawing—

Figure 1 is a side elevation of a press containing the above-mentioned improvements.

Figure 3 is a perspective of the platen and sheet-piling tympan, together with the table upon which the sheets are piled.

Figure 6 is a section of the bed, with chase-clamp, enlarged.

Figure 7 is a transverse section of chase-clamp with crank.

To the platen H, fig. 3, I attach a tympan-frame, J, which is covered with thin material, such as cloth, paper, parchment, or sheet metal, as the case may require.

The sheet to be printed is placed upon this tympan, which is carried by the platen to the face of the types to receive the impression.

When the platen is brought back to its former position the tympan J, being pivoted at E, is caused to vibrate through the arc shown by the dotted lines until it places the printed sheet upon the pile on the table L.

The tympan then returns to its former position to receive another sheet to be printed, thus performing two distinct offices, first acting as a common tympan, then as a piling-fly.

This tympan may be vibrated by means of any convenient attachment with the working machinery of the press.

I have thus combined the common tympan and piling-fly in one simple device, which acts without the aid of tapes, rolling-sheets, belts, or nippers, and may be used in printing and piling either damp or dry sheets.

I hold the chase *d* in position against the bed by the clamp *c*, which is pivoted at *c*².

This clamp is flanged or slotted, and is worked by means of a crank-pin, *g*.

The shaft of the crank projects from its bearing, and is squared to receive a key or wrench for working the device.

When the crank is in position shown in fig. 6 the chase *d* will be held firmly against the bed *f*.

When the crank is turned to the right the chase will be relieved, the clamp turning on its pivot, *c*².

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

1. In connection with the platen of a printing-press, the combined tympan and piling-fly J, or equivalent, substantially as and for the purpose specified.

2. The crank *g* and chase-clamp *c* combined, substantially as and for the purpose specified.

MERRITT GALLY.

Witnesses:

L. C. MCNEAL,
E. D. THOMAS.