

L. T. Wells.
Tymnans for Printing Press.
Nº 20179. Patented May 4. 1858.

Fig: 1.

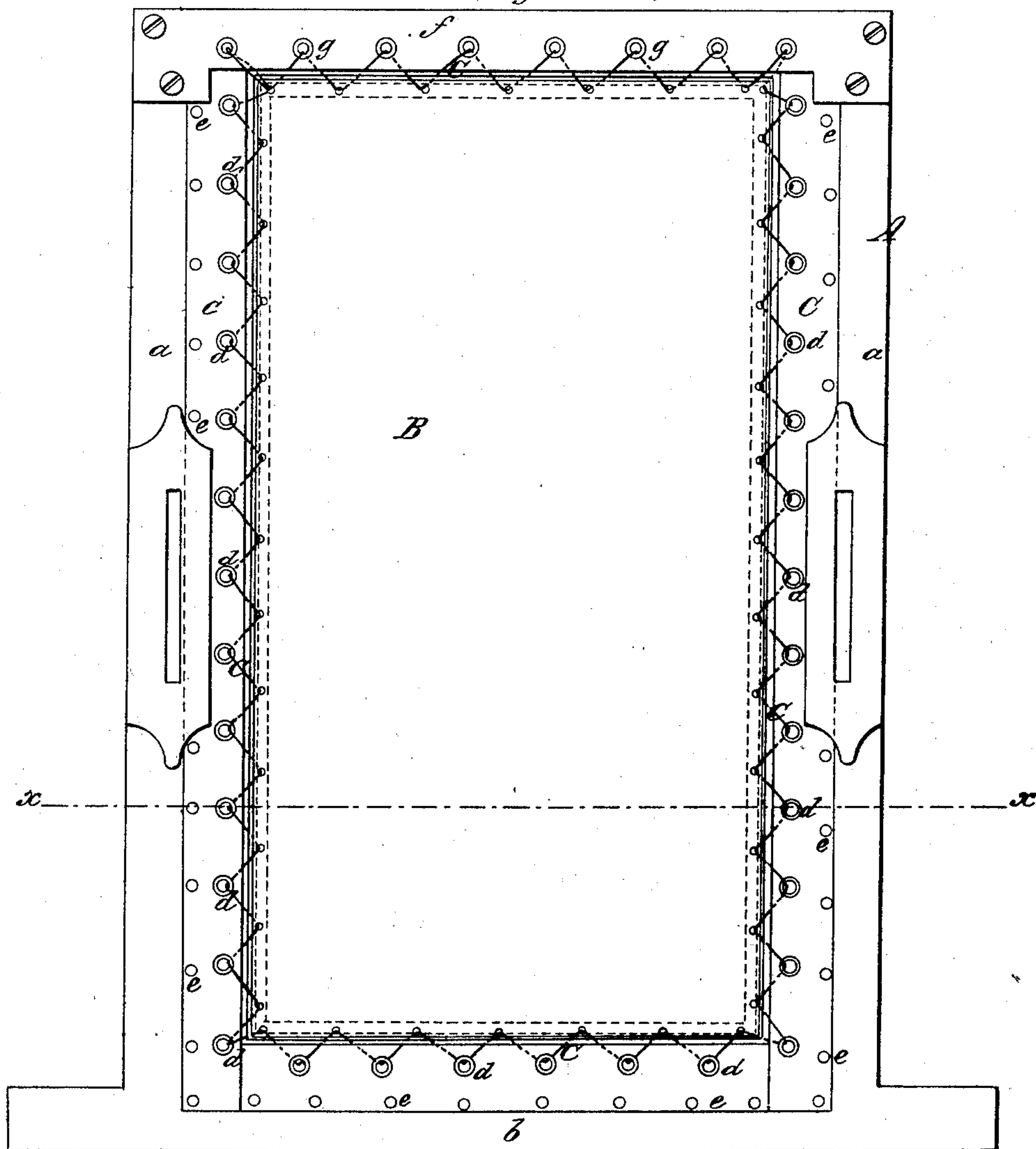


Fig: 2.

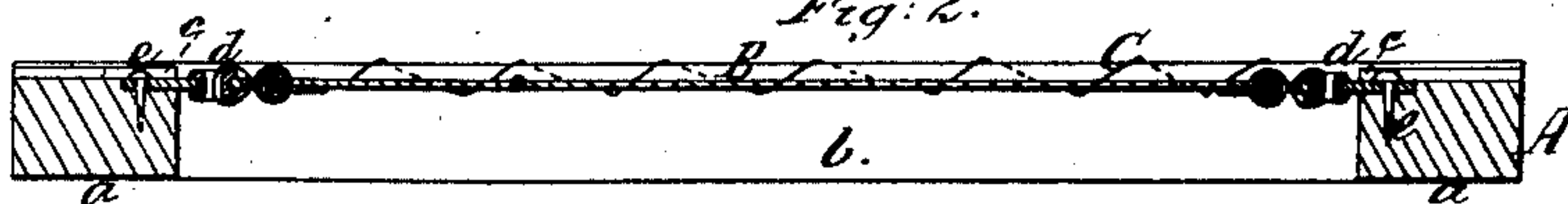


Fig: 3.



UNITED STATES PATENT OFFICE.

L. T. WELLS, OF CINCINNATI, OHIO.

TYMPAN FOR PRINTING-PRESSES.

Specification of Letters Patent No. 20,179, dated May 4, 1858.

To all whom it may concern:

Be it known that I, L. T. WELLS, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful

5 Improvement in Tympan for Printing-Presses; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this
10 specification, in which—

Figure 1 is a side view of my improvement, Fig. 2, is a transverse section of ditto, taken in the line (x) (x) Fig. 1. Fig. 3, is an enlarged transverse section of the leather
15 and one edge of the linen, parchment or other material used for the center of the tympan.

Similar letters of reference indicate corresponding parts in the several figures.

20 This invention consists in a novel way of securing the linen, parchment, or other material used for the center of the tympan to the frame thereof, whereby the linen or parchment may not only be readily attached
25 to and detached from the frame of the tympan but also prevented from being torn or injured at its point of connection therewith.

To enable those skilled in the art to fully understand and construct my invention I
30 will proceed to describe it.

A represents the frame of a tympan which is of rectangular form constructed and applied to the bed of a hand press in the usual way. The two side pieces (a) (a) and the
35 foot or lower crosspiece (b) are grooved or rabbeted at their inner edges to receive strips (c) of Calcutta or other strong leather, the grooves or rabbets being made of such a depth that the face surfaces of the leather
40 strips when fitted in them will be flush with the face surfaces of the pieces (a) (a) (b) of the frame, see Fig. 2.

The leather strips (c) have eyelets (d)

fitted in them at suitable distances apart, and the leather strips (c) may be secured to 45 the frame A by tacks (e) or by any suitable means.

The head band (f) which connects the outer ends of the side pieces (a) (a) is of metal and is perforated with holes (g) coun- 50 tersunk, the distance between the holes (g) corresponding to the distance between the eyelets (d).

B represents a piece of linen or other cloth, a parchment which forms the center 55 of the tympan. This linen or parchment has a hem (h) formed around its edge. This linen or parchment B is secured within the frame A by means of a lace C, which is passed through the eyelets (d) in the leather 60 strips (c) of the holes (g) in the head band (f) and through the hem of the linen or parchment B. The hem may have a cord fitted within it if desired. By this arrange- 65 ment the cloth or parchment B, may be readily secured to the frame of the tympan. The edges of the cloth are not liable to be torn, and when a new cloth is required the old one may be readily detached from the frame and a new one adjusted or secured 70 to it.

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

Attaching the cloth or parchment B to the 75 frame A of the tympan, by means of the leather strips (c) provided with eyelets (d), said strips (c) being fitted in grooves or rabbets in the frame, and the cloth or parchment attached to the strip of the lace C, sub- 80 stantially as described.

L. T. WELLS.

Witnesses:

W. CHIDSEY,
EDWIN STEVENS.