

A. T. DePUY.
PRINTERS' GALLEY.

No. 176,777.

Patented May 2, 1876.

Fig. 1.

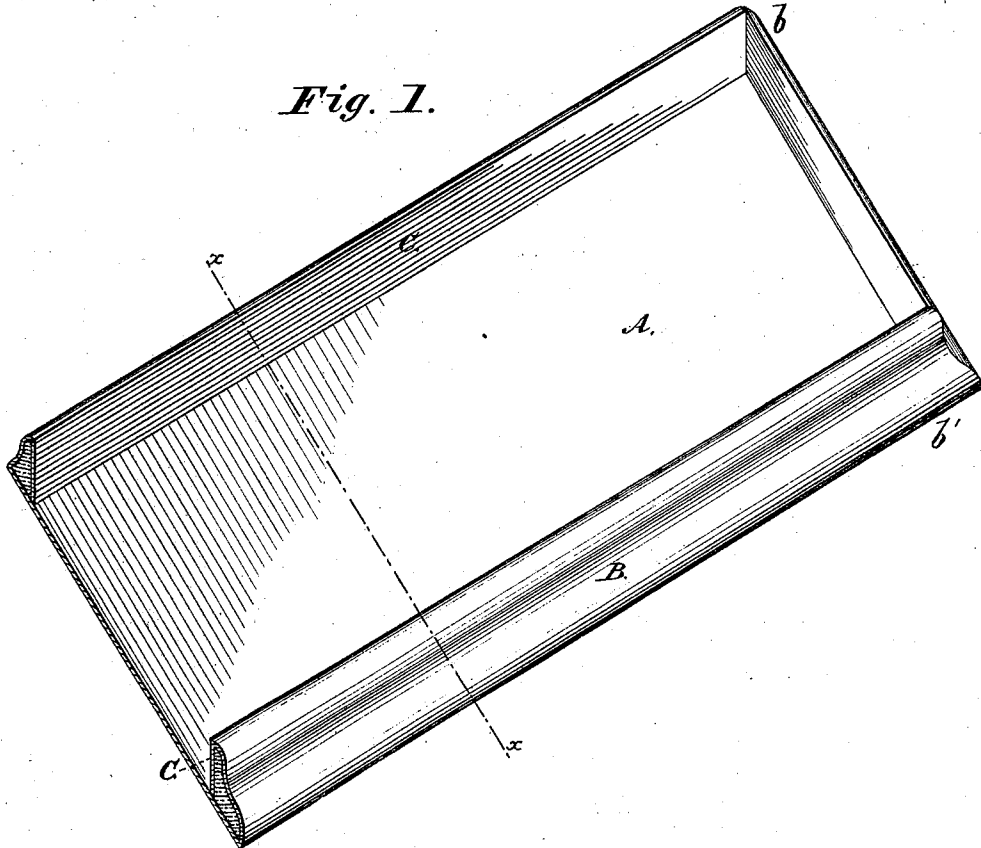


Fig. 2.

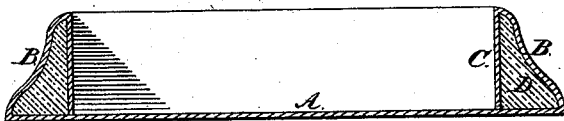


Fig. 3.

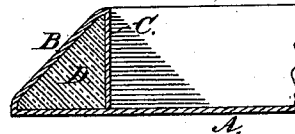


Fig. 4.

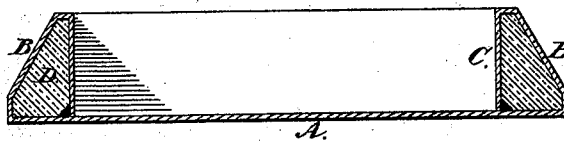
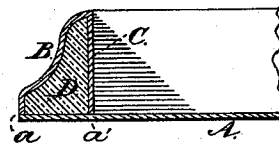


Fig. 5.



Witnesses:

D. M. Somers
W. H. Hale

Inventor:

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UNITED STATES PATENT OFFICE.

ALEXANDER T. DE PUY, OF NEW YORK, N. Y., ASSIGNOR TO R. HOE & CO.,
OF SAME PLACE.

IMPROVEMENT IN PRINTERS' GALLEYS.

Specification forming part of Letters Patent No. 176,777, dated May 2, 1876; application filed
August 30, 1875.

To all whom it may concern:

Be it known that I, ALEXANDER T. DE PUY, of the city, county, and State of New York, have invented an Improvement in Printers' Gallies, of which the following is a specification:

In the accompanying drawing, forming part of this specification—like letters indicating like parts—is represented, in Figure 1, a perspective view of my improved galley; Fig. 2, a sectional view thereof on line *xx* of Fig. 1; Figs. 3 and 5, part sections; and in Fig. 4, a full cross-section of modifications thereof.

The object of my invention is to construct a galley in such a manner as to leave perfectly smooth bottom and inside metallic surfaces.

It consists in making the sides and bottom of a single sheet of metal so bent as to form the edge rails and firmly support the same at right angles to the bottom plate, and yet leave them and the latter with perfectly smooth surfaces.

The galley is formed from a sheet or plate of brass, or other suitable metal, by bending the edges thereof around or over suitable formers, or any of the well-known methods of working sheet metal, until they assume the general configuration marked B in the drawings, which indicates the side and end rails. The inner side C of these rails, which constitutes the free end of the plate, is soldered, brazed, or otherwise secured in a position at right angles to the bottom A of the galley, and the space D, formed by thus bending the plate so as to provide its own tubular edge rails, is filled by any composition, wood or metal, as may be deemed expedient or desirable.

In some cases the plate C may be secured in position by screws extending through it into the filling D, and similar screws extending through the bottom plate into said filling.

These side and end rails may have any sectional configuration desirable which provides for a right-angular position of the side plate C, with relation to the bottom plate A. The form shown in Figs. 1 and 2 is the most practical, since it affords strength, beauty, and

smooth surfaces, but a simple triangular form as in Fig. 3, or the square-cornered triangular shape of Fig. 4, may be adopted.

In the forms illustrated it is to be observed that the angular side B forms a strong brace, supporting the inner plate C; but the sheet of metal may be so bent as to form edge rails which are square, or nearly so, with equal advantage.

While the side and end rails may all be formed in the manner described—a proper shape being given to the plate after the mode practiced in cutting out boxes whose sides are bent up and united to form mitered corners—it may be desirable in some instances to insert a section of a previously-formed rail, as shown in Fig. 5, to constitute the end rail. In such case the bottom plate A will be left to project a proper distance to support the said end piece, which will be soldered to the side rails at the mitered corners *b b'*, and along the bottom edges of its vertical plates, as at *a a'*, Fig. 5.

The soldered seam uniting the edge of the plate C to the bottom A may be confined between the abutting surfaces, though a considerable body of solder may be disposed at the inner angle formed by the union of the edge C of the plate A with the latter, as shown in Fig. 4, which will securely hold the parts in place.

The filling or interior supports D of the edge rails may be dispensed with, though where thin metal is used the additional strength and firmness they impart are desirable.

What I claim as of my invention is—

1. A printer's galley, the side rails of which are bent, from the sheet or blank forming the bottom, into such tubular form as shall present an interior wall or side at right angles to the bottom plate, substantially as described.

2. In combination with side rails formed by bending the bottom plate into tubular form, the end pieces so shaped as to conform to the plane surface of the bottom plate and to the ends of the side rails, and be united thereto to form a printer's galley, substantially as described.

3. A printer's galley formed of one piece of

sheet metal, consisting of the walls or sides C, braces B, of any suitable shape, and bottom or base A, substantially as described.

4. In combination with the edge rails, formed by bending a single sheet or blank into tubular form, the supporting-pieces D, substantially as described.

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

ALEXANDER T. DE PUY.

Witnesses:

H. T. MUNSON,
D. M. SOMERS.