

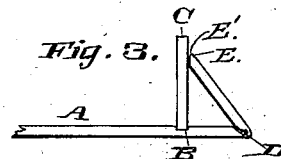
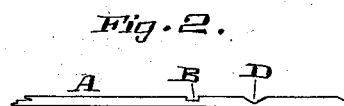
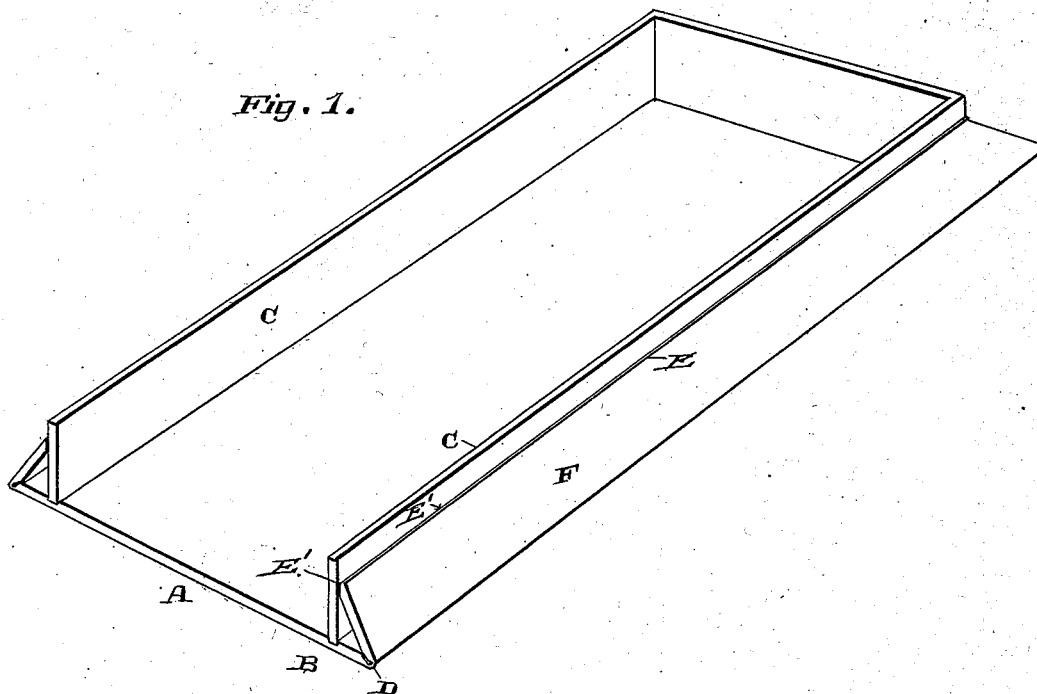
(No Model.)

O. A. DEARING.

PRINTER'S GALLEY.

No. 381,117.

Patented Apr. 17, 1888.



Witnesses,
Geo H Strong.
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By Dearing & Co.
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UNITED STATES PATENT OFFICE.

OCTAVUS A. DEARING, OF SAN FRANCISCO, CALIFORNIA.

PRINTER'S GALLEY.

SPECIFICATION forming part of Letters Patent No. 381,117, dated April 17, 1888.

Application filed June 30, 1887. Serial No. 243,043. (No model.)

To all whom it may concern:

Be it known that I, OCTAVUS A. DEARING, of the city and county of San Francisco, State of California, have invented an Improvement in Printers' Gallies; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improved construction for printers' gallies.

It consists of a metal base or bed channeled or grooved to receive the vertical facing-strips, which are soldered or secured therein, said base being extended beyond the outer side of the facing-strips, and grooved or channeled so as to be bent at an acute angle, the upper edge resting against and secured to the outer side of the facing-strip, so as to form a brace therefor, the bending being done by cold process and without annealing the brass, so as to take the elasticity or spring out of it.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a perspective view of the galley, showing the arrangement of the parts. Fig. 2 is a view of the base-plate with the grooves or channels at the point where the bend is to be made and to receive the lower edge of the facing. Fig. 3 is an edge view showing the facing in place and the bend or angle in the outer portion of the base-plate, which forms the base for the facing.

My invention is especially designed to produce a strong, rigid, and durable galley by a cold process of manufacture, so that the hard and elastic temper of the brass or metal of which the galley is made need not be removed, and the article will thus have the necessary rigidity and strength to resist the strain which may be brought upon it.

A is the bed or base plate of the galley, and this plate has a groove or channel, B, made in it of sufficient width to receive the lower edge of the vertical or facing plate C, which is set into the channel and soldered or otherwise secured in place. The base A extends a sufficient distance outside of the facing so that it may be turned up or folded and form a brace which rests against the outer face of the vertical plate C. In order to make this bend or fold, which is an acute angle, I form a wide groove, D, in the plate with inclined sides, the bottom of the groove being curved or rounded, so as to allow

the sharp or acute angled bend or fold, which must be made, and to allow space between the sides of the fold to receive a thin strip of solder which is placed in the groove or fold. By making this groove or channel I am enabled to fold the plate up at the proper angle without danger of breaking it at the edge, and without the necessity of annealing or softening the plate, so that the bend may be made. The edge E of the upturned portion F of the plate is chamfered or beveled off at such an angle that it rests flush against the outer side of the facing C and leaves a small triangular channel at the top between the plate F and the vertical facing C, into which a strip of solder is laid, and after the parts are in place the solder is melted in the groove or channel by simply passing a hot iron along the outer angle, and this binds the whole strongly together at this point. The strip of solder in the groove formed at E' is also melted and the lower edge of the facing-plate C is secured in its channel in a like manner, thus uniting the whole together in a single solid piece.

I am aware that printers' gallies have been made by bending a certain base-plate around in a curve, so that the base, the outside bracing, and the vertical face-plate are made in a single piece. I am also aware that the vertical facing has been united to the base by solder and re-enforced by a backing of wood secured to the base-plate by screws. I do not claim, broadly, these constructions.

What I do claim as new, and desire to secure by Letters Patent, is—

1. In a printer's galley, the base channeled to receive the vertical facing and extending outward beyond said facing, so as to be folded inwardly at an acute angle to form a brace or re-enforce for said facing, substantially as described.

2. In a printer's galley, the base extending beyond the line of the vertical facing which is secured thereto, and having a groove or channel formed in its upper surface, so that the outer edge may be bent inwardly at an acute angle to form a brace or re-enforce for the vertical facing-plate without the necessity of annealing, substantially as described.

3. In a printer's galley, the base-plate having the vertical facing-strip secured to it, a groove or channel formed in the base outside

of the facing-strip, so that the outer portion
may be folded in at an acute angle to rest
against the outer side of the facing, said groove
or channel being formed to receive a strip of
5 solder, which is afterward melted, so as to fill
and unite the angle, substantially as described.

4. The re-enforcing strip or brace bent in-
wardly and forming a continuous piece or ex-
tension with the base-plate of the galley, said
10 extension having the edge chamfered, so as to

rest against the outer side of the facing-plate
and form a channel for the reception of the
solder, substantially as described.

In witness whereof I have hereunto set my
hand.

OCTAVUS A. DEARING.

Witnesses:

S. H. NOURSE,

H. C. LEE.