

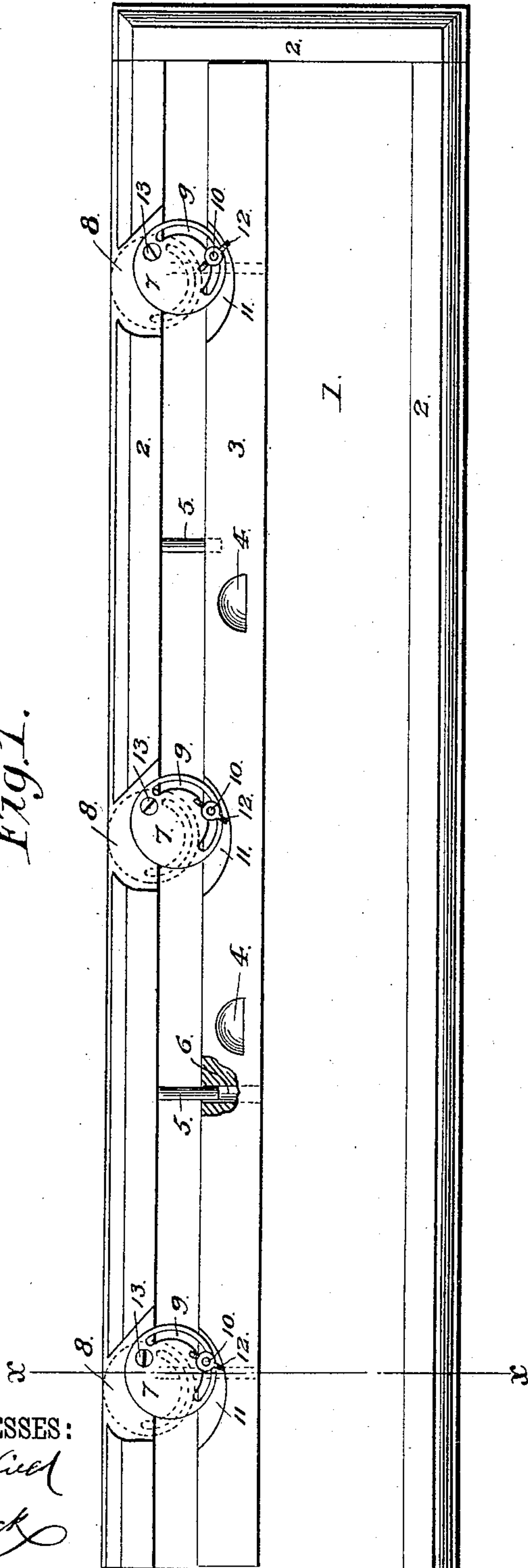
(No Model.)

J. H. YOUMANS.
SELF LOCKING GALLEY.

No. 397,264.

Patented Feb. 5, 1889.

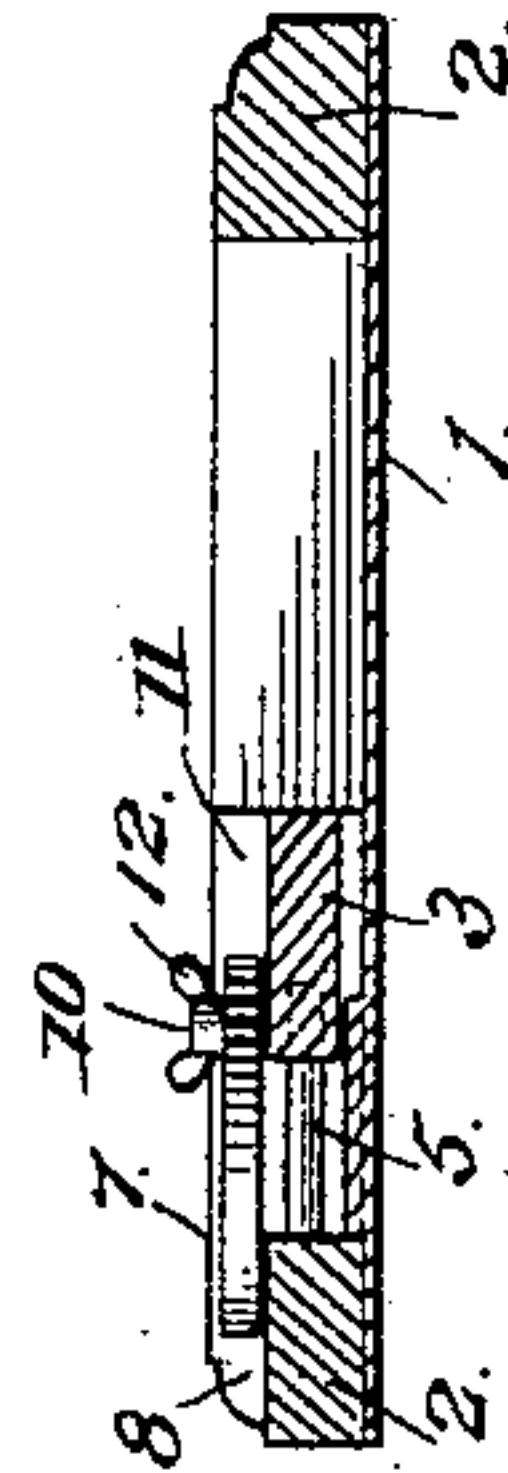
Fig. 1.



WITNESSES:

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Fig. 2.



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UNITED STATES PATENT OFFICE.

J. HATFIELD YOUMANS, OF ASBURY PARK, NEW JERSEY.

SELF-LOCKING GALLEY.

SPECIFICATION forming part of Letters Patent No. 397,264, dated February 5, 1889.

Application filed November 16, 1887. Serial No. 255,302. (No model.)

To all whom it may concern:

Be it known that I, J. HATFIELD YOUMANS, of Asbury Park, in the county of Monmouth and State of New Jersey, have invented a new and Improved Self-Locking Galley, of which the following is a full, clear, and exact description.

This invention relates to an improvement in printers' galleys, and has for its object to provide a galley which can be easily adjusted and fastened and will be automatically locked.

The invention consists in a printer's galley constructed as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

Figure 1 is a plan view of the invention, showing the type-holding strip moved partly forward. Fig. 2 is a cross-section on line *x x*, Fig. 1.

In the present construction of printers' galleys the movable type-holding strip in the galley is locked or fastened in place to hold the type by means of wedge-shaped pieces or blocks hammered in between the type-holding strip and the side of the galley. This involves a good deal of trouble, and, as the parts when not in use are loose, they are apt to be misplaced or lost. By means of the present invention these objections are obviated and the type is easily and quickly locked in the galley.

1 indicates a printer's galley, having the sides 2 and type-holding strip 3. The latter is moved forward and back preferably by means of finger-sockets 4, as they are not in the way, and is guided in its movement by rods 5, extending into holes 6 in said strip. To hold the strip 3 against the type and lock it in position, it is connected with the side of the galley by disks 7, eccentrically pivoted by pins 13 in recesses 8 therein, and having slots 9 engaging pins 10, mounted in recesses 11 in strip 3.

The pins 10 are provided with wing-nuts 12, whereby the disks 7 may be clamped to strip 3 and hold the latter in any position to which it may be adjusted. The recesses 8 and 11 are of such shape as to permit the eccentric move-

ment of disks 7 therein. When the strip 3 is fully brought forward, the pins 10 are located in the outer ends of the slots 9, and the outer ends of slots 9 will be in such relative position to pins 13 of disks 7 that the pins 10 cannot ride back in slots 9 and push back disks 7. In this way the strip is automatically locked when fully drawn forward, and the wing-nuts 12 need not be tightened. To unlock the strip 3, the disks 7 may be pushed slightly to the left, when the strip 3 becomes free to be moved back.

In order that the bar or stick 3 may be automatically locked when thrown fully forward, it is necessary that the slats 9 shall extend to or slightly beyond points diametrically opposite the axes or pivots 13, and that the latter and the pins 10 shall be in alignment with each other and with the direction of movement of the bar or stick.

By way of illustrating the advantages of this construction, I would state that in practice the type-space, when the bar or stick is thrown fully forward and automatically locked, will just receive a standard quantity of type—say thirteen ems pica wide—which is the standard size of newspaper-columns. At points beyond the standard adopted for the type-space the thumb-screws will be brought into use for locking the bar.

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

1. A printer's galley comprising the rectangular frame, the movable bar or stick therein, and the disks or plates pivoted eccentrically to the frame and having curved slots extending to or beyond points diametrically opposite the pivots, and pins extending through the slots into the bar or stick, said pivots and pins being in alignment with each other and with the direction or line of movement of the bar or stick, whereby the bar or stick will be automatically locked when thrown fully forward, substantially as set forth.

2. The herein-described printers' galley, comprising the frame 2, sliding bar or stick 3 therein, the disks 7, pivoted at 13 eccentrically to the frame, and having curved slots 9, extending at their outer ends to points in line with or beyond diametrical lines through the

points' greatest eccentricity of said disks, the
pins 10, projecting from the bar or stick 3
through the slots 9, and the binding-nuts 12
on said pins, the said pivots, outer terminals
5 of the slots, and the pins 10 being, when the
bar is thrown fully forward, in approximate
alignment with each other and with the di-

rection or line of movement of the bar, sub-
stantially as and for the purpose herein set
forth.

J. HATFIELD YOUNG.

Witnesses:

JEREMIAH LYFORD,
LEWIS H. BARMORE.