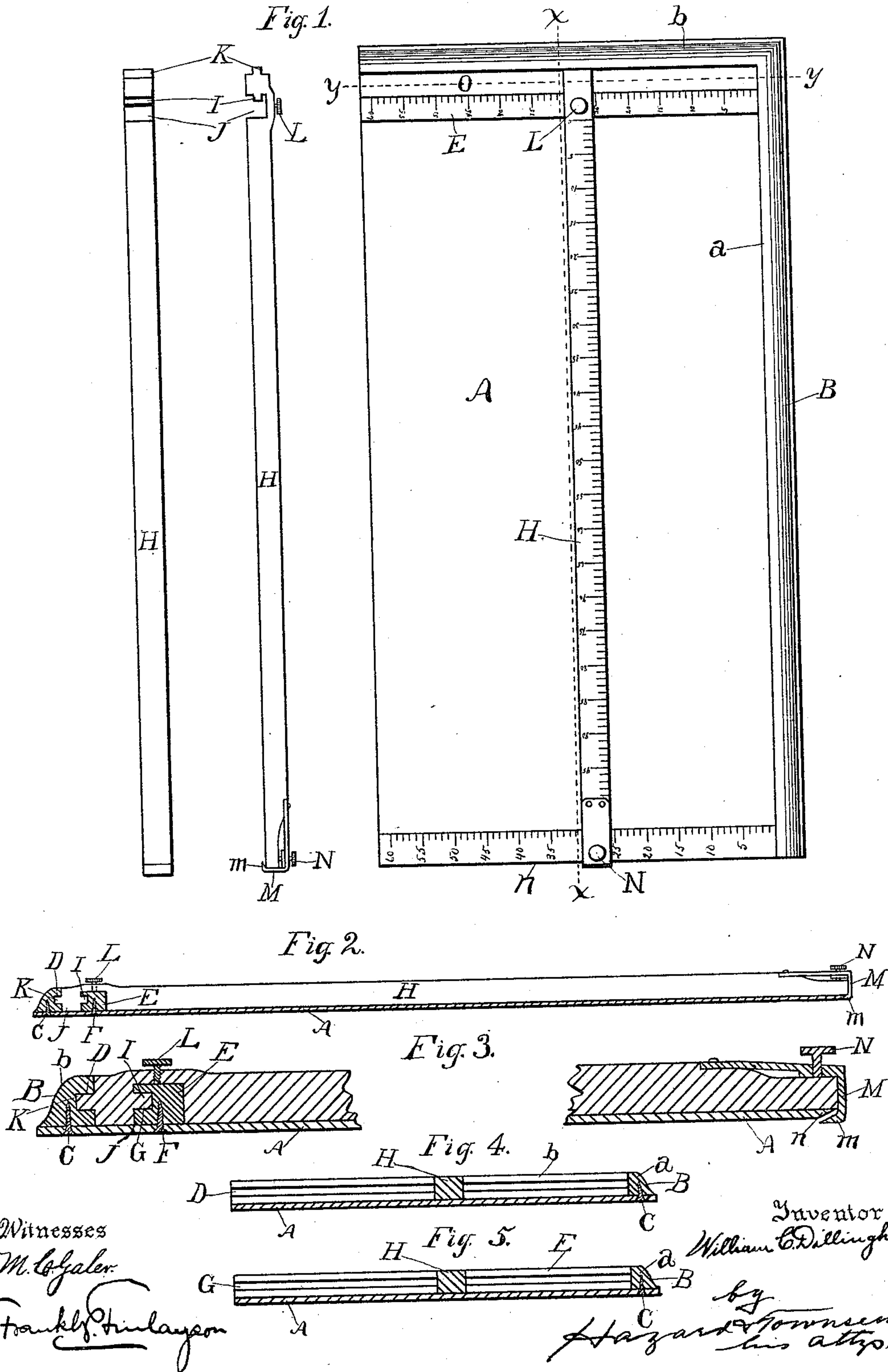


(No Model.)

W. C. DILLINGHAM.
COMBINED JOB AND NEWS GALLEY.

No. 440,348.

Patented Nov. 11, 1890.



UNITED STATES PATENT OFFICE.

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COMBINED JOB AND NEWS GALLEY.

SPECIFICATION forming part of Letters Patent No. 440,348, dated November 11, 1890.

Application filed March 17, 1890. Serial No. 344,121. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. DILLINGHAM, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Combination Job and News Galley, of which the following is a specification.

My invention relates to that class of printers' galleys having adjustable side-sticks secured in place by suitable clamps.

The object of my invention is to provide a cheap, simple, and easily-adjusted galley-plate of this class in which the fastenings of the side-stick will have great strength and will be devoid of objectionable projections.

The accompanying drawings illustrate my invention.

Figure 1 is a view of my combination news and job galley, showing one of the side-sticks adjusted upon the plate, while two other side-sticks are shown detached from the plate. Fig. 2 is a section on line $x x$, Fig. 1. Fig. 3 is a detail of the ends of the plate and the adjusted side-stick in longitudinal mid-section. Fig. 4 is a cross-section on line $y y$, Fig. 1, looking toward the end wall. Fig. 5 is the same cross-section, looking toward the auxiliary wall.

A is a plain-faced galley-plate secured to the rectangular side and end wall or frame B by means of screws C. The end section b of the frame is provided on its inner face with the longitudinal groove D, extending from the side wall a of the frame to the end of the end wall or section b .

E is the auxiliary wall or slide-bar of the frame arranged across the plate A, parallel with and close to the end wall b , with a space between them. This bar is secured to the plate by screws F, and is provided on the side facing the end wall b with a longitudinal groove G, corresponding to the groove D in the end wall. The adjustable side-stick H is notched at one end to fit upon the auxiliary wall or slide-bar, and is provided with the lug or tongue I, arranged to project into the notch J, and with the lug or tongue K projecting from the end of the stick. The lugs or tongues I and K correspond in cross-section with the grooves D and G, and are arranged to fit into such grooves, as shown in Figs. 2 and 3. A thumb-screw L passes through the portion of

the stick extending over notch J, and is arranged to engage with the top of the bar and secure the side-stick against lateral displacement. The lugs or tongues I and K, fitted into the grooves D and G, together with set-screw L, form a clamp to firmly secure one end of the side-stick. The other end of the stick is provided with a spring-steel clamp-strap M, having one end secured to the top of the stick and having its other end bent down over the end of the stick and ending in a bevel-edged claw m , arranged to fit beneath and against the beveled end n of the galley-plate. The tendency of the spring of the strap M is toward the stick, so that when the thumb-screw N is screwed up flush with the bottom of the strap, as shown in Fig. 3, the strap will be depressed, so that the claw or beveled edge m will be held away from the stick to allow the ready insertion of the beveled edge of the plate in adjusting the stick. When the stick is adjusted, the screw N is screwed down upon the stick, thus raising the strap and pressing the beveled claw against the beveled bottom of the plate, thus clamping the plate firmly and securing the end of the stick against lateral displacement. The clamp-strap is not absolutely essential to the operation of the galley, for the notch J and tongues I and K extend across the entire width of the stick at right angles to the axis thereof, and the bearing-surfaces of the stick formed thereby and by the end of the stick which come into contact with the end wall b and the bar E are at right angles to the axis of the stick and fit the bar and the socket or guideway O so nicely as to hold the stick parallel with the side section a of the wall without the assistance of the clamp-strap.

The plate A is preferably adjusted at its plain end to the standard type-scale of pica ems. The bar E and side-stick H are also preferably graduated to the same scale, so that the side-stick can be accurately adjusted to the width of column desired, and so that the length of column is always apparent to the eye. This is specially useful in setting rule-and-figure work, as such work can be readily measured and set on the galley instead of being set in a stick and then emptied into the galley.

To set map or rule work, the side-stick can

be adjusted to the required measure and then locked by the set-screws, thus saving the compositor much time which is ordinarily spent in building up the required measure with 5 metal furniture. Care is taken that the top of the screws L and N are of less height above the plate than the face of the type when set in the galley.

In setting narrow measure—such as news- 10 paper-columns—the side-stick is adjusted and locked by means of the screws to the proper width of column, the type are then set, and when this column-space is filled another side-stick is adjusted and locked, and so on 15 to the full capacity of the galley. Then the proof from all the columns is taken at one impression.

Means other than the set-screws can be used to operate the clamp-strap; but such 20 means will readily suggest themselves to mechanics. I regard the set-screw as the most desirable.

It would be an equivalent construction to provide the slide-bar with a tongue, and 25 groove the side-stick to fit thereon.

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

1. A printer's galley comprising the com- 30 bination of the galley-plate, the rectangular side and end wall provided on the inner face of the end wall with a longitudinal groove extending from the side wall to the end of

the end wall, the slide-bar arranged across the plate parallel with and close to the end 35 wall, with a space between the bar and wall and provided on the side facing the end wall with a longitudinal groove corresponding to the groove in the end wall, the adjustable side-stick notched at one end to fit upon the 40 slide-bar and provided with tongues arranged to fit the grooves in the end wall and slide-bar, and the set-screw.

2. In a printer's galley, the combination of the galley-plate beveled on the under side at 45 its plain end, the adjustable side-stick, the spring clamp-strap having one end secured to the top of the stick and having its other end bent down over the end of the stick and ending in a bevel-edged claw arranged to fit be- 50 neath and against the beveled end of the galley-plate, and the thumb-screw.

3. The combination of the galley-plate, the side and end wall, the slide-bar arranged across the plate parallel with and close to the 55 end wall, with a space between the bar and the wall and provided on the side facing the end wall with a longitudinal groove, the adjustable side-stick notched at one end to fit upon the slide-bar and provided with a tongue 60 arranged to fit the groove in the slide-bar, and the set-screw.

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Witnesses:

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