

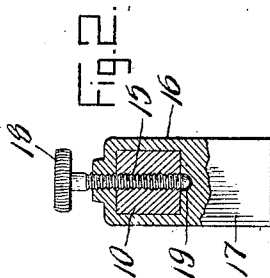
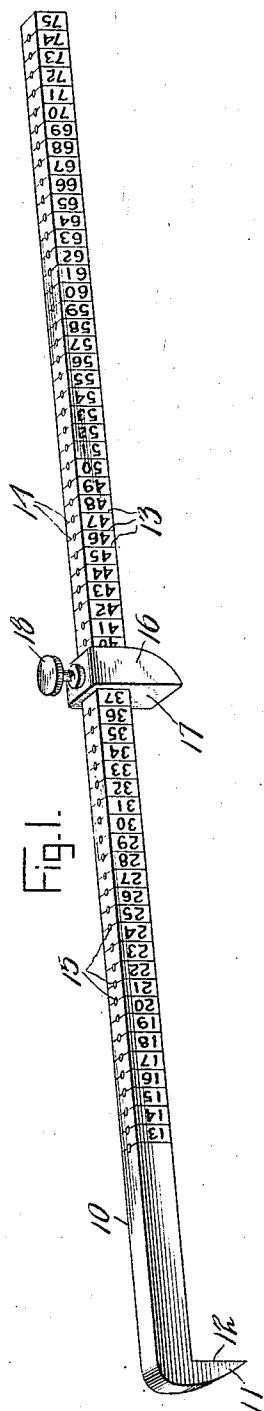
July 22, 1924.

1,501,947

F. M. HILLMAN

PRINTER'S GAUGE

Filed April 25, 1923



Inventor
Frederick M. Hillman

Frederick M. Hillman

334

Attorney

UNITED STATES PATENT OFFICE.

FREDERICK M. HILLMAN, OF INDIANAPOLIS, INDIANA.

PRINTER'S GAUGE.

Application filed April 25, 1923. Serial No. 634,630.

To all whom it may concern:

Be it known that I, FREDERICK M. HILLMAN, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Printers' Gauges, of which the following is a specification.

My said invention relates to a form gauge for use by printers and it is an object of the invention to provide a device of the character described which can be positioned accurately to indicate any number of picas within wide limits and which can be rigidly held in position at any one of such adjustments, particularly for the purpose of pages to insure that the two sides of a printed page shall be of exactly the same length or height.

Another object of the invention is to afford a clear indication to the user of the position at which the device is set.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a perspective of my device, and

Figure 2, a cross section of the same.

In the drawings, reference character 10 indicates a bar which for the purpose of my invention may be square in cross section and which is provided at its forward end with an integral downward projection 11 having a flat face at right angles to the under face of the bar at 12 which face extends down one-half inch from the under face of the bar. The bar over all is twelve and one-half inches or seventy-five picas long and one-quarter of an inch square in section and it is provided with graduations at 13 along one side and at 14 along the top, the latter set of which may be omitted if desired. The graduations indicate picas, i. e., they are one-sixth of an inch apart. The first graduation is made at a distance of thirteen picas from the face 12 this being the smallest size for which the device needs to be used. Numerals as indicated are provided on the side, these numerals running from 13 to 75 and threaded openings are provided at 15 which extend through the bar as indicated in Figure 2 and which are precisely divided in half by the lines 14.

A slide 16 is mounted on the bar, this slide

having a rounded face at one side similar to that on the projection 11 and a flat face 17 at the other side opposed to the face 12. As will be seen the opening in the slide fits closely about the bar 10 and a thumb screw 18 with a knurled head is adapted to be inserted through an opening in the slide and screwed into any one of the threaded openings in the bar. The thumb screw at its lower end projects into a recess at 19 on the slide to insure absolute accuracy in positioning and to hold the device in place exactly as desired.

In making up the bar will be located over a page form of type or a group of type bars at one side and the slide will be fixed in position by manipulation of the thumb screw. If such side fails to measure exactly up to a number of picas it will be justified by insertion or removal of leads between the lines until that side is precisely correct after which the device is transferred to the other side without changing the position of the slide and that side is similarly justified. According to present practice one side is measured by means of a ruler and the other side is brought up to the same measure as nearly as may be but this does not give that accurate and precise equality afforded by the present device since the human factor enters much more largely into the system heretofore employed. In my device both sides may be made to fit very closely between the faces 12 and 17 and there is no possibility of these faces changing their positions in moving the device from one side to the other.

Other changes will be obvious to those skilled in the art and various changes of form, preparations and the like will also be obvious to those skilled in the art. For this reason I do not limit myself to the specific form shown in the drawings and described in the specification, but only as indicated in the appended claim.

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

A printer's gauge comprising a bar having graduations thereon and a projection at one end thereof with the inner face of said projection at right angles to said bar, an adjustable slide formed with an opening to fit about said bar and mounted thereon, said slide having a projecting inner face in op-

posed parallel relation to the inner face of the projection on the end of the bar, and having a perforation in one wall of the opening and registering with a depression in the opposite wall of the opening, said bar
5 having transversely extending openings therethrough adapted to be brought into registry with the perforation and depression in the slide, and a securing member
10 adapted to extend through said perforation and engage any opening in the bar

and the depression in the slide, substantially as set forth.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, 15 this 21st day of April, A. D. nineteen hundred and twenty-three.

FREDERICK M. HILLMAN. [L. s.]

Witnesses:

E. W. BRADFORD,
M. L. SHULER.