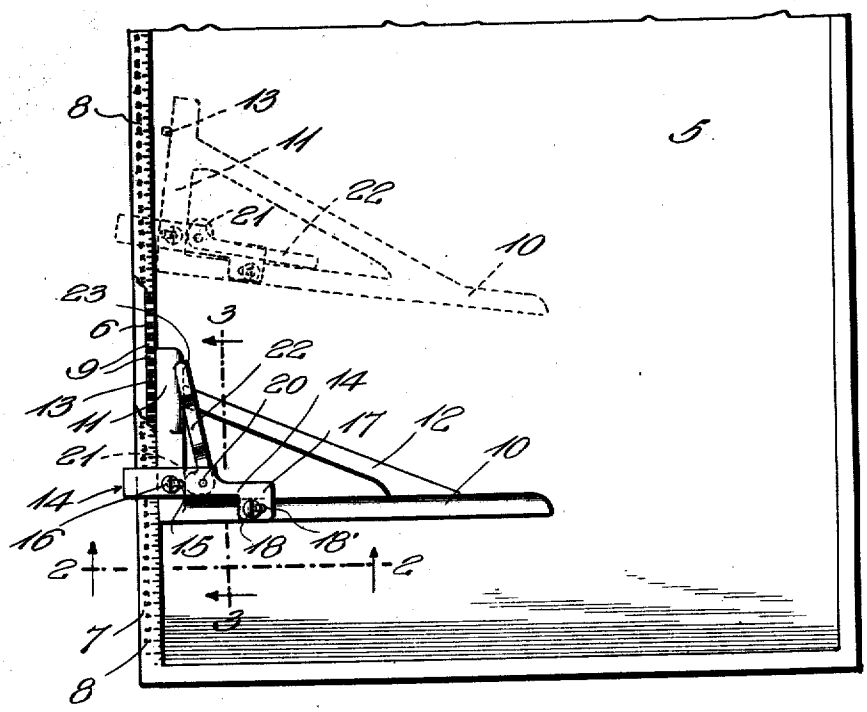
J. E. LATSCH AND G. N. MARKLE.

ADJUSTABLE GUARD FOR PRINTERS' GALLEYS.

APPLICATION FILED DEC. 23, 1918.

1,311,656. Patented July 29, 1919.

Fig. 1



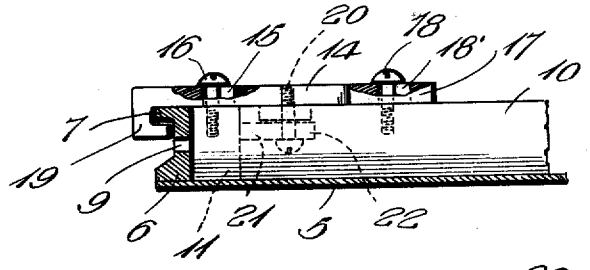


Fig. 2

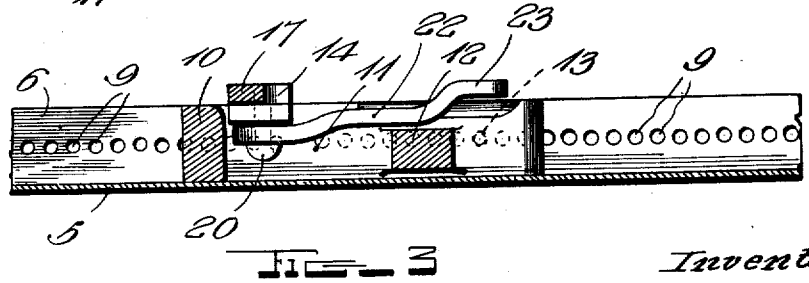


Fig. 3

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ADJUSTABLE GUARD FOR PRINTERS' GALLEYS.

1,311,656. Specification of Letters Patent. Patented July 29, 1919.

Application filed December 23, 1918. Serial No. 268,014.

To all whom it may concern:

Be it known that we, JEROME E. LATSCH and GEORGE N. MARKLE, citizens of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Adjustable Guards for Printers' Galleys, of which the following is a specification.

Our invention relates to an adjustable guard, for use in connection with a printer's galley.

An important object of the invention is to provide means whereby the printer may quickly and conveniently determine the size of the matter to be printed without the necessity of taking extensive measurements.

Another object of the invention is to provide a guard of the above mentioned character, having means adapted for use upon galleys of different sizes and shapes, with but slight alterations in the construction of the galley.

A further object of the invention is to provide a guard of the above mentioned character, which is simple in construction and inexpensive to manufacture, strong and durable.

Other objects and advantages of our invention will be apparent during the course of the following description:

In the accompanying drawings, forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a plan view of apparatus embodying our invention;

Fig. 2 is a longitudinal sectional view taken on line 2—2 of Fig. 1; and

Fig. 3 is a transverse sectional view taken on line 3—3 of Fig. 1.

In the drawings wherein for the purpose of illustration is shown the preferred embodiment of our invention, the numeral 5 designates a printer's galley, of any well known or preferred construction. This galley embodies a rim 6 formed of angle iron, affording an upper flange 7.

To adapt the old galley for use in connection with our adjustable guard, we preferably provide one rim 6 with a scale 8, for indicating the number of ems of type to be dumped from the stick upon the galley. While we show the scale 8 applied to the rim 6, the invention is in no sense restricted to this arrangement, as the scale may be applied to the upper surface of the floor or bottom of the galley or on an adjustable metal strip, if desired. The same rim 6 is provided with a series of horizontal transverse openings 9, equidistantly spaced and arranged with a fixed relation to the scale 8. We find satisfactory results are obtained by arranging the center of the openings in alinement with every other point of the scale, these alternate point lines being made longer, to indicate the same.

Our improved guard is indicated by the numeral 10, and is provided with a piece or foot 11, arranged at a right angle thereto, and disposed to slidably contact with the inner side of the rim 6. A diagonal brace 12 serves to connect the guard 10 and foot 11. The foot 11 is provided near its free end with a lock-pin 13, rigidly secured thereto, and adapted to enter a selected opening 9.

Arranged upon the top of the guard 10 is a reciprocatory bolt 14. This bolt passes transversely across the inner end of the foot 11, and is provided with a longitudinal slot 15, receiving a screw 16, secured to the foot. Near its inner end, the bolt is provided with a lateral extension 17, having a slot receiving a screw 18 carried by the guard 10. At its outer end, the bolt 14 is provided with a hooked head or end 19, engaging beneath the flange 7.

Arranged beneath the bolt 14, and pivoted thereto by a pin 20, is a cam 21, adapted to contact with the inner side of the foot 11. This cam is moved by a lever 22, adapted to operate beneath the bolt 14, and having its free end bent upwardly, as shown at 23.

The length of the slot 15 is sufficient to permit of the guard 10 partaking of restricted reciprocatory movements, or swinging movements, sufficiently to withdraw the pin 13 from the opening 9, as indicated in dotted lines in Fig. 1. However, this movement is not sufficient to allow the separation of the guard and rim 8, except by moving the guard longitudinally to and beyond the free end of the rim. As indicated in Fig. 1, when the lever 22 is swung to the inner position, substantially parallel with the guard 10, the cam 21 will occupy the inactive position, whereby the guard partakes of slight reciprocatory movements with respect to the bolt 14. The guard may now be angularly arranged, as indicated in dotted lines, whereby it may be adjusted to the desired point upon the scale, and again swung to the active

position, with the pin 13 entering the selected opening 9. When this is done, the lever 22 is swung outwardly, contacting with the foot 11, and preventing perceptible longitudinal movement of the guard with respect to the bolt.

In the use of the device, the printer may bring the guard to the desired position, and lock it in this position. The printer will then continue to transfer the type from the stick to the galley, until the space within the guard is filled.

It is to be understood that the form of our invention herein shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts, may be resorted to, without departing from the spirit of our invention or the scope of the subjoined claims.

Having thus described our invention, we claim,

1. The combination with a printer's galley having a rim provided with an overhanging flange, said rim being further provided with spaced openings arranged beneath the flange, of a guard arranged within the galley and provided at one end with a foot disposed at substantially a right angle thereto and adapted to contact with the inner side of the rim, a pin secured to the foot near its free end and adapted to enter a selected opening, a reciprocatory bolt carried by the guard near the opposite end of the foot and having an outer hooked end to engage beneath the overhanging flange, and a cam pivoted upon the bolt and arranged to contact with the inner side of the foot.

2. The combination with a printer's galley having a longitudinal rim and a longitudinal scale, said rim being provided with an overhanging flange and spaced openings arranged beneath the overhanging flange, of a guard arranged within the galley and provided at one end with a foot disposed at substantially a right angle thereto and adapted to contact with the inner side of the rim, a pin secured to the foot near its free end and adapted to enter the selected opening, a reciprocatory bolt arranged upon the foot near its opposite end and having a hooked end to engage beneath the flange, a cam arranged beneath and pivoted to the bolt and disposed to contact with the foot, and a lever connected with the cam to turn it.

In testimony whereof we affix our signatures in presence of two witnesses.

JEROME E. LATSCH.
GEORGE N. MARKLE.

Witnesses:
G. R. GARRISON,
ALEX J. MAUL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."