

(No Model.)

E. L. MEGILL.  
FEED GAGE FOR PRINTING PRESSES.

No. 438,853.

Patented Oct. 21, 1890.

Fig. 1.

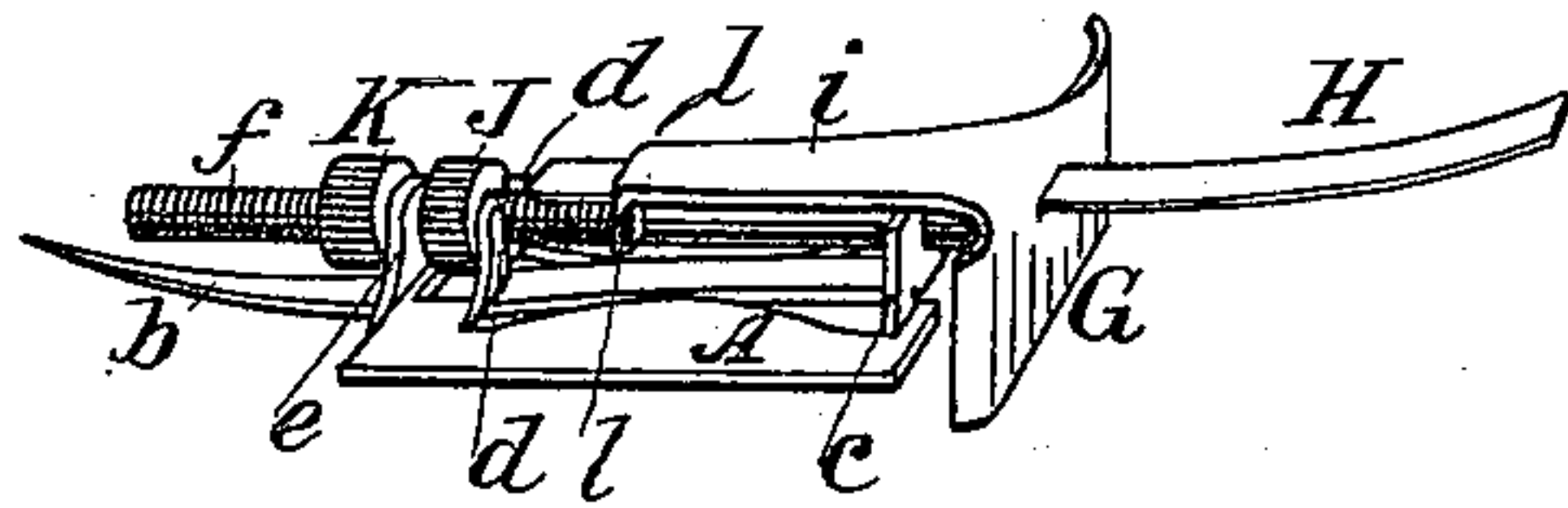


Fig. 2.

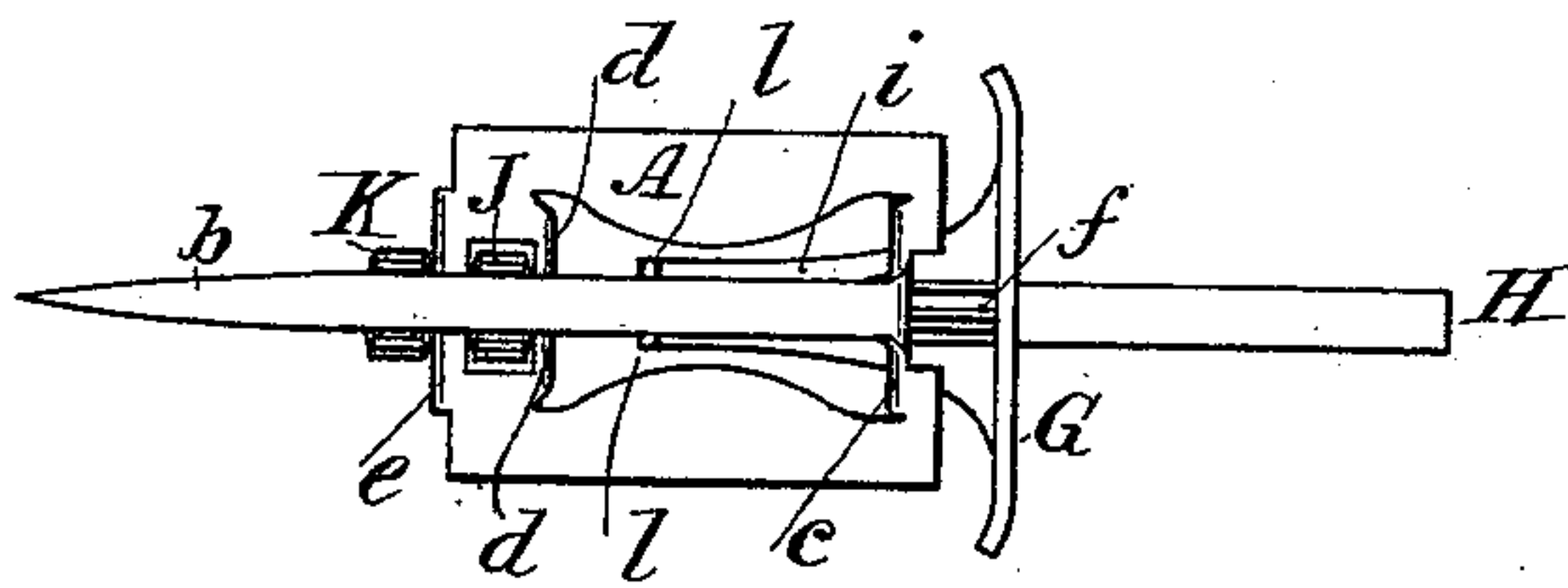
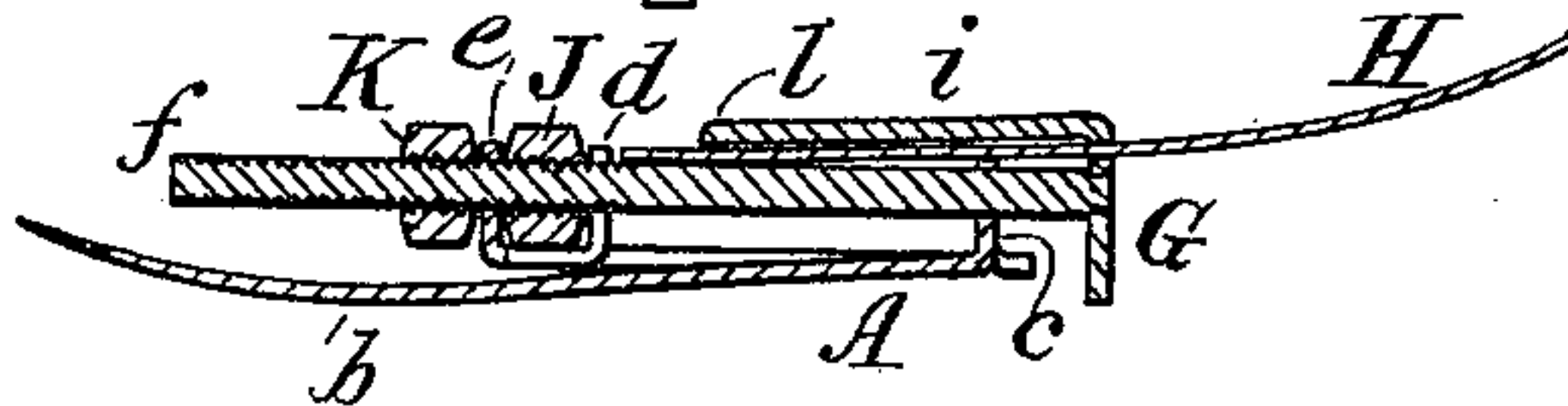


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## FEED-GAGE FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 438,853, dated October 21, 1890.

Application filed January 31, 1889. Serial No. 298,205. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD L. MEGILL, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have  
5 invented certain Improvements in Feed-Gages for Printing-Presses, of which the following is a specification.

My invention relates to feed-gages for printing-presses, and especially to that class of  
10 gages adapted for use on platen presses, and which are provided with strippers to remove the sheet from the form.

My invention will be fully described hereinafter, and its novel features carefully defined in the claims.  
15

In the accompanying drawings, illustrative of my invention, Figure 1 is a perspective view of a feed-gage embodying my improvements. Fig. 2 is an under side plan view of  
20 the same. Fig. 3 is a longitudinal vertical mid-section of the same.

A is the base or stationary part of the gage, which will be of sheet metal. As a means of attaching this base to the paper on the platen  
25 of the press, it is provided with a prong *b*, which is formed integrally with the base, being attached at its front end to the front part of the base and bent backward underneath the base, as clearly shown.

30 G is the movable gage-head, which is provided with a screw stem or shank *f*. This stem has a bearing in uprights *c* and *e* on the base A, and is provided with an operating milled nut J and a lock-nut K, the upright *e*  
35 being arranged between said nuts. Two elastic or spring fingers *d d* on the base A bear on the front face of the nut J and keep said nut pressed up elastically to the upright bearing  
40 *e*. These fingers exert enough pressure on the nut to prevent it from turning readily, and thus disarranging the register. The lock-nut K may be employed, if desired, to lock the stem rigidly in its bearings; but it is not essential.

45 The gage-head G is provided with a flap *i*, preferably integral with the head. This flap extends back over the base A and has two lugs *l l* on its rear end, which embrace between them the screw-stem *f*. The tongue H,  
50 which forms the stripper, passes through a slit or aperture in the gage-head and extends back between the flap *i* and the screw-stem *f*

and between the lugs *l l*, which form lateral guides for the tongue in its longitudinal movements. The spring-pressure of the flap *i* on  
55 the tongue H holds the latter in place by frictional contact, but permits the tongue to be moved endwise for adjustment. The lugs *l l* on the flap *i* give the gage-head a second bearing through said flap on the screw-stem at a  
60 point some distance from the point of attachment of the gage-head to the stem.

Where the adjustable gage-head is fixed to a screw-stem and adapted to be adjusted by means of a nut on the stem, it is desirable  
65 that a suitable stop should be provided to prevent the rotation of the stem and head during the primary adjustment of the head before the gage is set on the tympan-sheet. In my gage this is effected through the bearing  
70 of the flap *i* on the top of the upright *c*. As the gage-head is moved to and fro, this flap forms a rearwardly-extending guide fixed to the gage-head and bearing on a part of the base.  
75

The base A being secured to the platen of the press by the prong *b* or by any other known means, the gage-head may be adjusted to the proper register by means of the collared nut J and screw-stem *f*.  
80

I do not herein claim, broadly, the combination, in a feed-gage, of a base provided with means for securing it to the platen-paper and an adjustable gage having a head mounted on said base. This is shown and claimed in  
85 my pending application, Serial No. 291,421.

Having thus described my invention, I claim—

1. In a feed-gage, the combination, with the base adapted to be secured to the tympan-sheet at any point, of the screw-stem mounted  
90 in bearings in said base, the adjusting-nut on said stem, and the gage-head secured to said screw-stem.

2. In a feed-gage, the combination, with the base adapted to be secured to the tympan-sheet at any point, of the screw-stem mounted  
95 in bearings in said base, the adjusting-nut on said stem, and the gage-head secured to said stem, said head being provided with a rearwardly-extending guide which bears on the  
100 base and prevents rotation of the head.

3. In a feed-gage, the combination, with the base having a fastening-pin, of the threaded



stem sliding on said base and provided with a gage-head and adjusting-nut.

4. In a feed-gage, the combination, with the base adapted to be secured to the press-platen, 5 of the gage-head mounted movably on said base and provided with a rearwardly-projecting flap *i*, and the adjustable stripper-tongue carried by the gage-head, said tongue being arranged under the flap *i* and projecting 10 through an aperture in the gage-head.

5. In a feed-gage, the combination, with the base adapted to be secured to the press-platen, of the gage-head mounted movably on said base and provided with a rearwardly-project- 15 ing flap *i*, having guide-lugs *l l*, and the adjustable stripper-tongue carried by said gage-head, said stripper-tongue being arranged under said flap and between said lugs and extending through an aperture in the gage-head.

6. In a feed-gage, the combination of the 20 base adapted to be secured to the press-platen and provided with bearings for the screw-stems of the gage-head and with spring-fingers *d d*, the gage-head and its stem mounted on said base, and the operating-nut J on said 25 stem arranged between one of said bearings and the fingers *d d*.

7. In a feed-gage, the combination, with the base A, provided with bearings for the stem 30 of the gage-head, of the said gage-head having the rearwardly-extended flap *i*, provided with lugs *l l*, embracing the stem of the gage-head, the said stem, and its operating-nut.

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Witnesses:

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