

No. 688,798.

Patented Dec. 10, 1901.

G. P. STEINBACH.  
STORE OR COUNTER STOOL.

(Application filed Apr. 4, 1901.)

(No Model.)

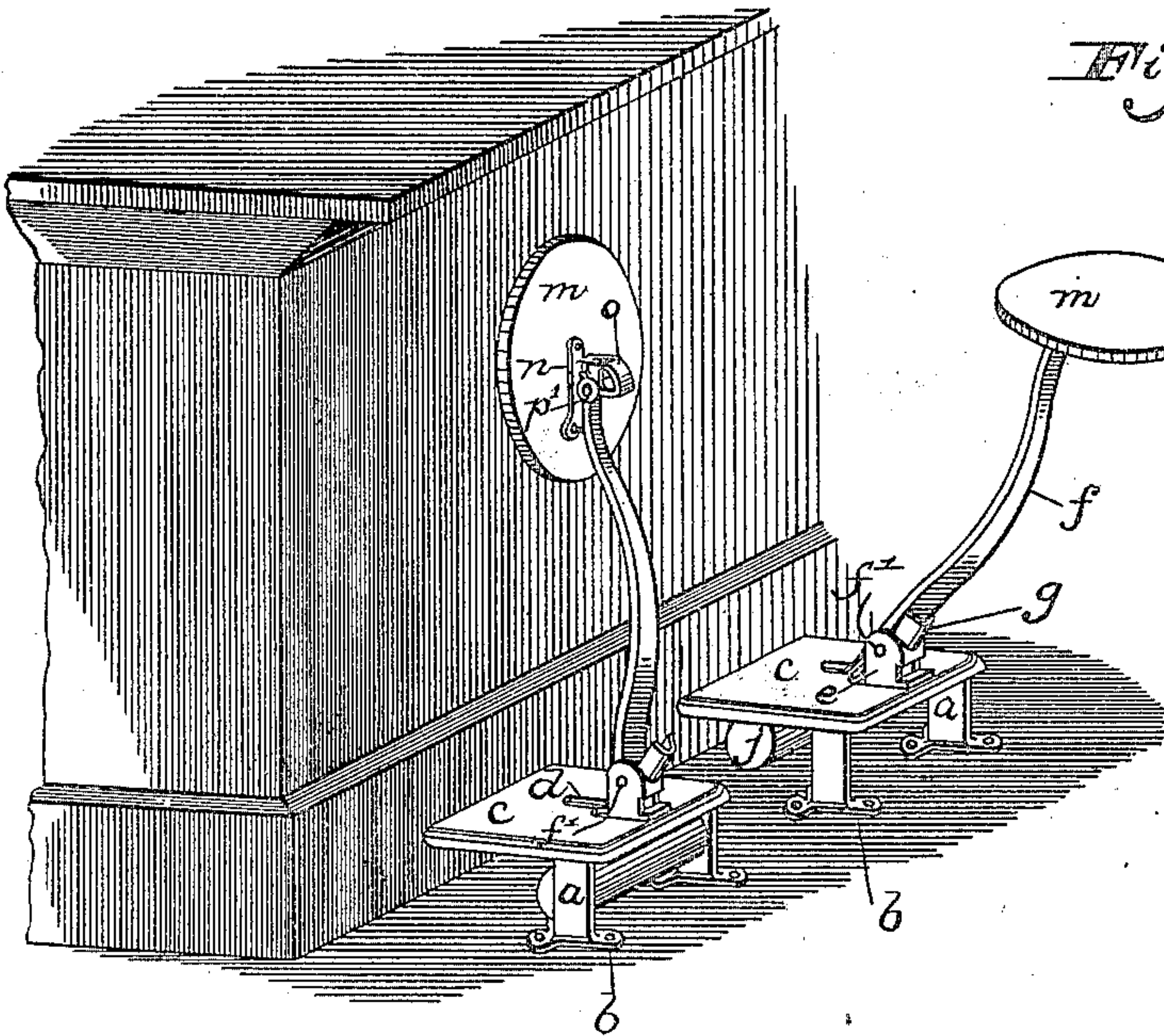


Fig. 1.

Fig. 8.

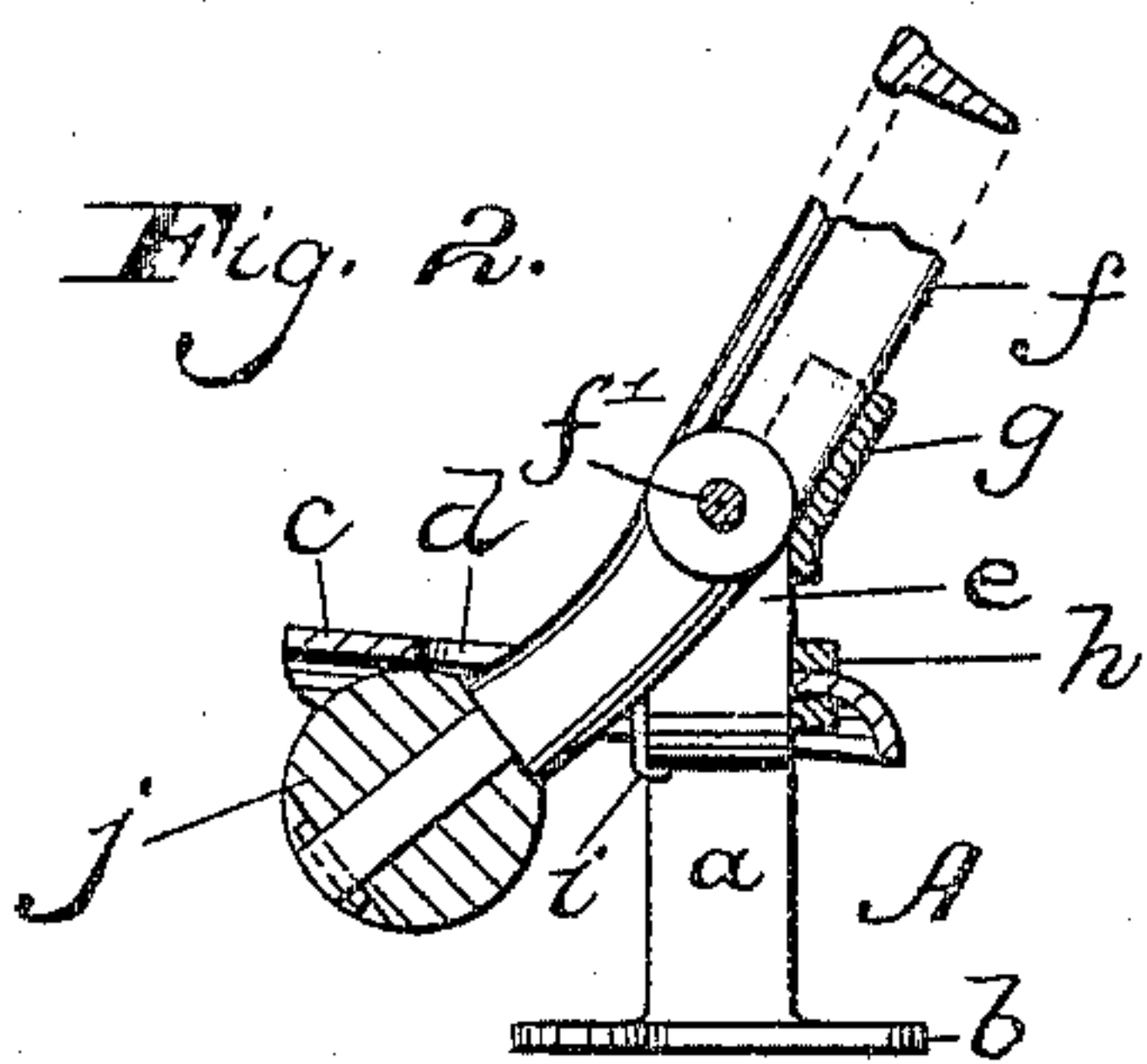
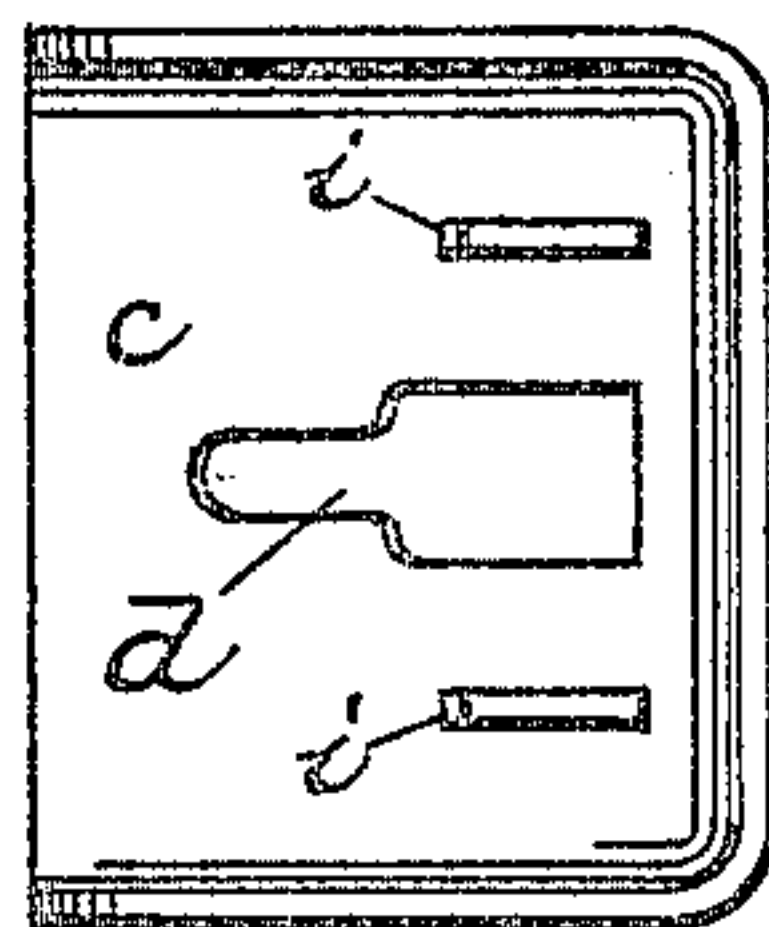


Fig. 2.

Fig. 7.

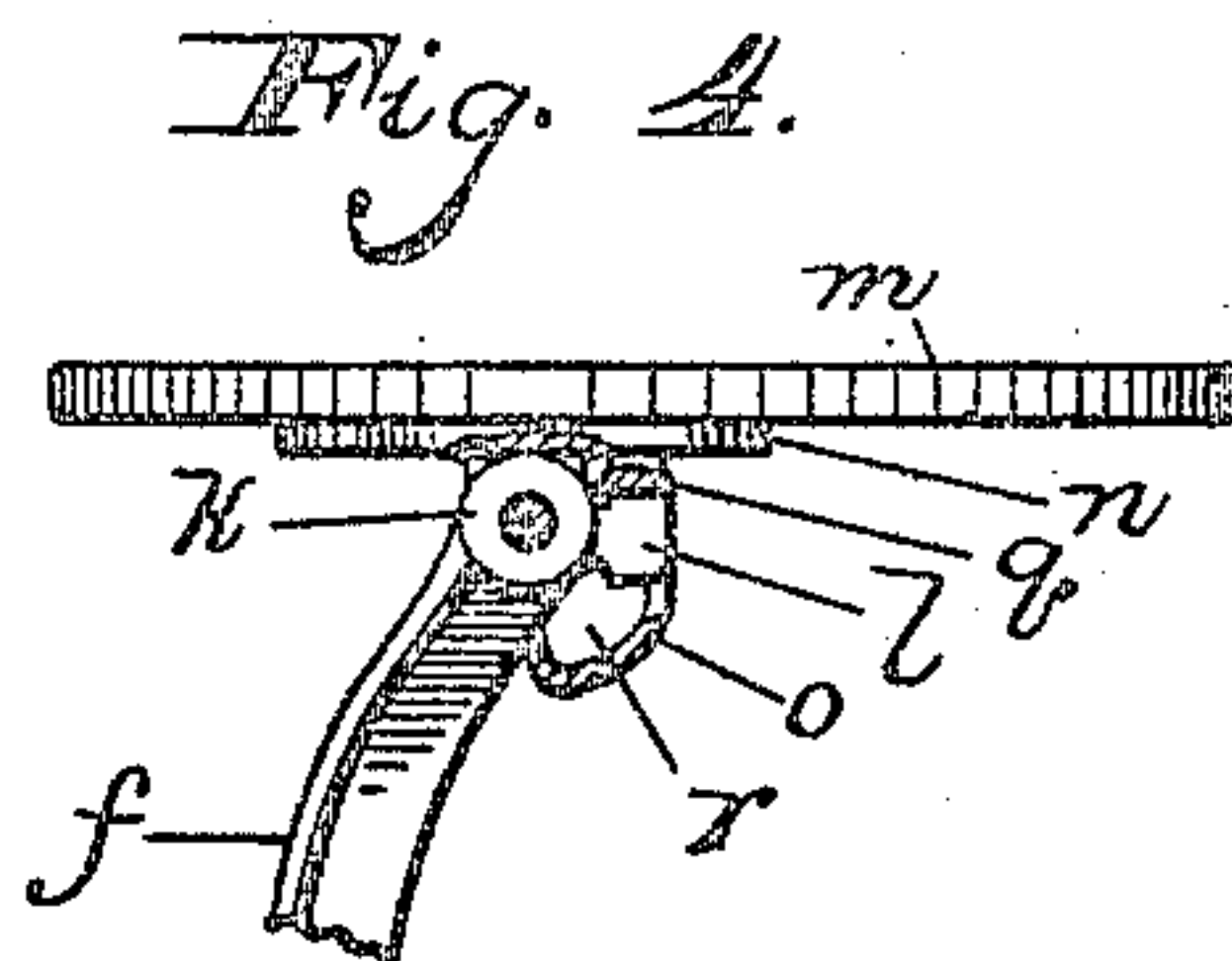
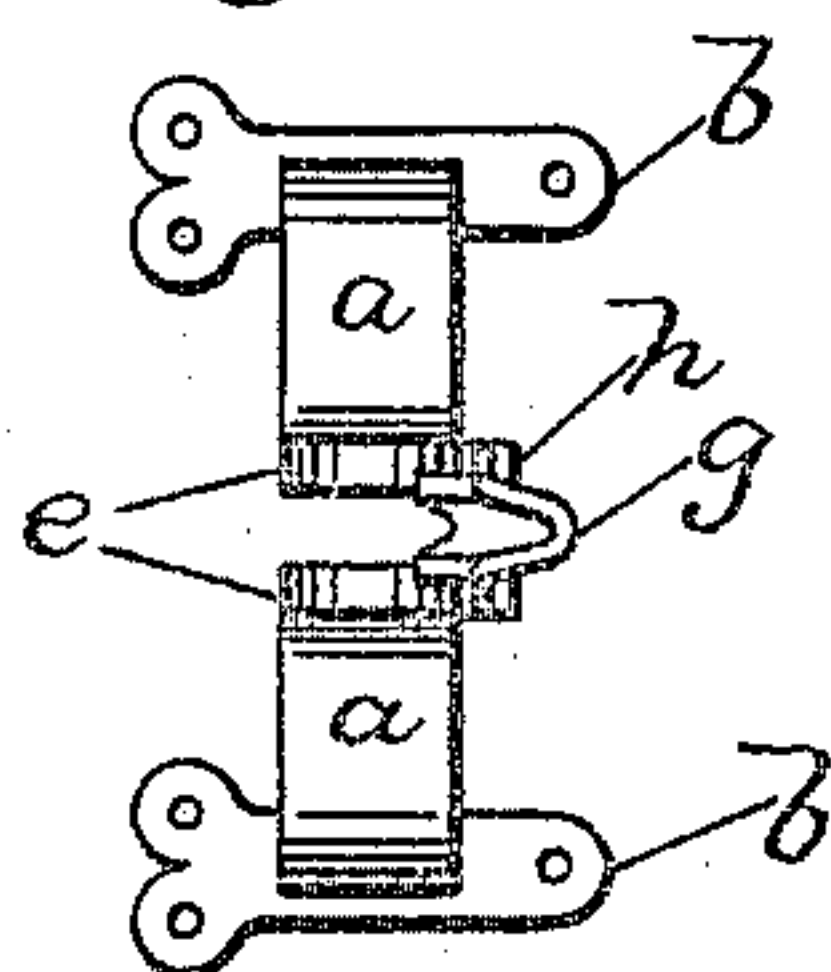


Fig. 4.

Fig. 3.

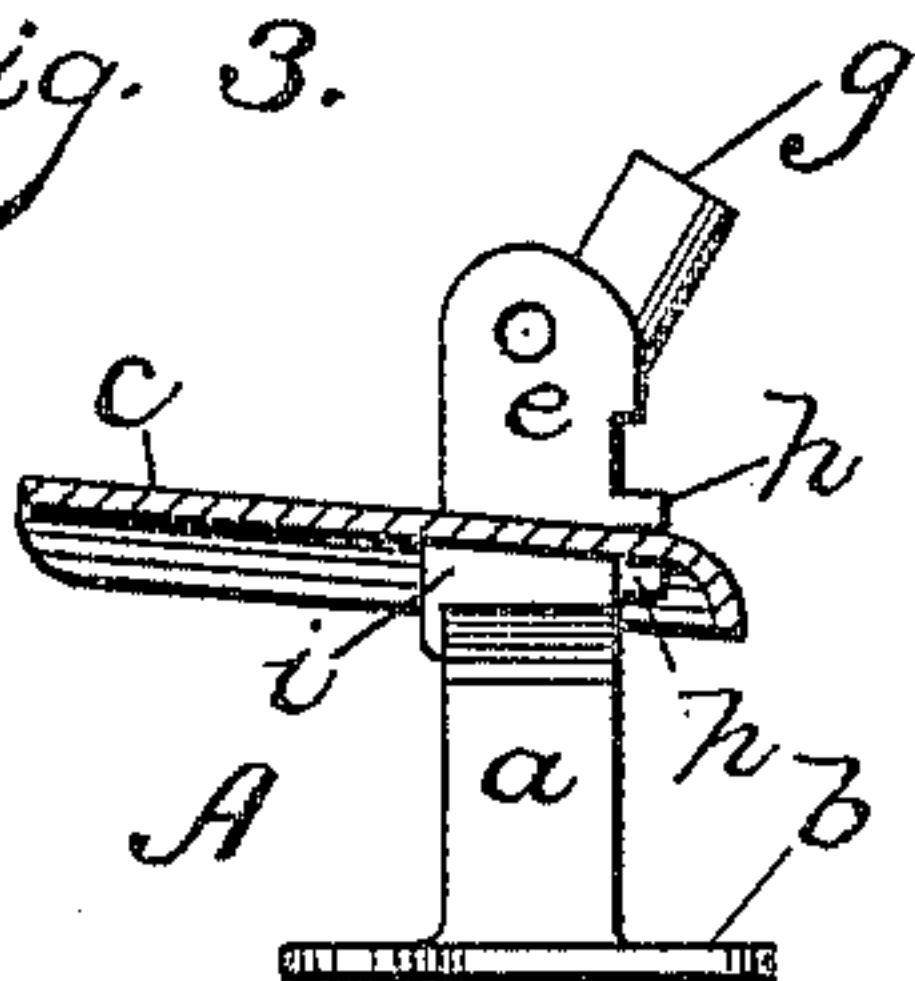


Fig. 6.

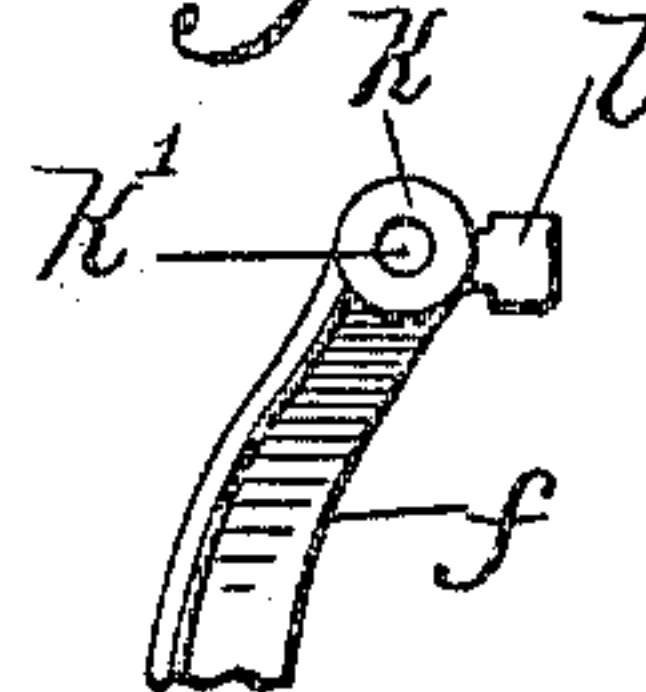
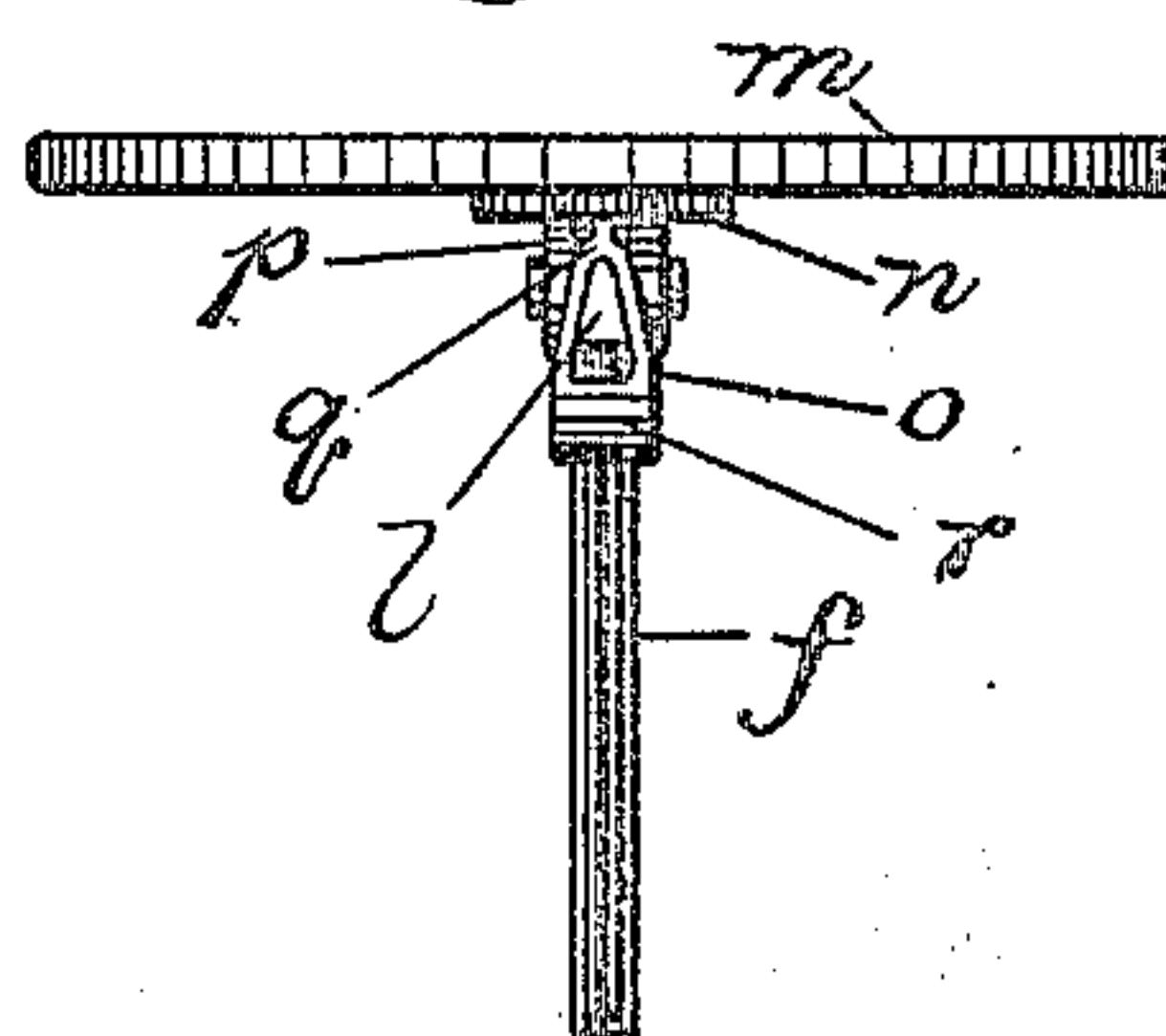


Fig. 5.



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# UNITED STATES PATENT OFFICE.

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## STORE OR COUNTER STOOL.

SPECIFICATION forming part of Letters Patent No. 688,798, dated December 10, 1901.

Application filed April 4, 1901. Serial No. 54,238. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE P. STEINBACH, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Store or Counter Stools, of which the following is a specification.

This invention relates to improvements in store or counter stools, and has for its object to provide a stool for this purpose which will require only little floor-space and which when not in use will be automatically folded up toward the counter.

The invention consists in the novel construction and arrangement of parts herein shown.

The invention is illustrated in the accompanying drawings.

Figure 1 is a perspective view of a portion of a counter and illustrates two stools, one of which is folded up in a substantially vertical position and the other tilted back in the position for use. Fig. 2 is a sectional view of the base portion of the device and also shows the lower end of the seat-supporting bar. Fig. 3 is a side elevation of the base and a section of the foot-rest plate. Fig. 4 is a side elevation of the seat and seat-supporting bar and shows in section the pivot connection between the seat and bar. Fig. 5 is a rear elevation of the seat and seat-bar. Fig. 6 is a side elevation of the upper end of the seat-bar. Fig. 7 is a plan view of the arched base. Fig. 8 is an inverted plan of the foot-rest plate.

Referring to the drawings, A designates the base, comprising an arched frame *a*, having two feet *b* to be secured to the floor, and foot-rest plate *c* covers the base. Projecting upwardly from the arched frame through a slot *d* in the plate are two vertically-extending standards *e*, integral with the arched frame members and between which the seat-bar *f* is pivoted. At the top of the two standards *e* and at their back is a V-shaped stop *g*, which unites the two standards and receives the seat-bar *f* when the latter is tilted outward, as seen in Fig. 2. The two standards *e* are also united at the back by two lugs *h*, which are separated by a space and have position beneath the V-stop *g*. The slot *d* in the foot-

plate receives the two standards *e*, and one of said lugs *h* takes over the plate at the end of said slot, while the other lug *h* takes on the lower surface of said plate. It will thus be seen that the two lugs *h* serve to hold the foot-rest plate *c* against forward or lateral displacement. The lower surface of the plate is also provided with two hook-lugs *i*, which take downward at the front edge of the arched frame *a* and are hooked or clenched beneath said frame, as seen in Fig. 2.

The seat-supporting bar *f* is substantially V-shaped in cross-section and is secured by a pivot *f'* near its lower end between the two standards *e*, and the lower end of said bar projects through the slot *d* in the foot-rest plate *c* and carries a weight *j*, which is heavier than the combined weight of the bar and seat *m*, and said weight keeps the upper end of the bar in substantially a vertical position when the seat is not in use. At such time the weight *j* swings under or below the arched base *a*. In Fig. 2 the weight and lower end of the pivoted bar are illustrated in the position they assume when the seat is in use, and at such time, it will be seen by reference to said figure, the rear edge of the bar takes in the V-stop *g* on the base and holds the bar against lateral wobbling, as well as limits the rearward swinging movement of said bar.

The upper end of the seat-bar *f* is provided with a pivot-eye *k* and is also provided with a rearward or laterally projecting stop-lug *l*, which is preferably V-shaped—that is, narrower at the top than at the bottom, as will be seen in Fig. 5.

The seat *m* is provided on its bottom surface with a bracket *n*, and a hollow frame *o* depends from said bracket. The hollow frame has two laterally-projecting ears *p*, provided with a central pintle-hole *p'*, and said frame also has a V-shaped socket *q*. A curved guard or housing *r* connects the two ears *p*, and said curved guard is eccentric with respect to the pintle-holes *p'*.

The pivot-eye *k* at the upper end of the bar *f* takes between the two ears *p*, and a pintle or pin which passes through the holes *p'* and hole *k'* in the bar *f* serves to pivotally connect the seat *m* and said bar. When the bar *f* and seat are connected, the V-lug *l* on the



bar is inclosed by the guard or housing *r*, and when the seat is in position for use said V-lug *l* takes in the socket *q* in the seat-frame, and the seat is thereby held rigidly with respect to the bar. When the seat *m* is tilted vertically, the housing *r* covers and guards the stop-lug *l* and prevents garments or clothing from catching on the lugs.

By my construction when the seat is relieved of weight the seat end of the bar *f* is automatically tilted forward by means of the weight *j*, which latter swings downward below the arched base, and as the lower end of the bar strikes against the arched frame the upper or seat end of the bar is given a jar, which throws the pivoted seat *m* forward and causes it to automatically tilt forward and assume a vertical position, as seen in Fig. 1.

Heretofore counter-stools of this character have been made which rely on the action of springs to return the seat and supporting-arm in a substantially vertical position or up against the counter, and stools so constructed soon become useless because of the failure of the springs to act. By my invention a positive and sure action is obtained.

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

1. In a stool the combination of a base; a bar pivoted to said base at its lower end and carrying a weight, said bar above said pivot being substantially V-shaped in cross-section; a V-shaped stop on the base, said stop receiving said bar when the latter is tilted back and limiting the inclination of the same, and a seat on the upper end of said pivoted bar.

2. In a stool the combination of an arched base having a foot-plate; a bar pivoted to said base with its end projecting below said plate; a weight carried on the end of said bar below said plate and swinging under the arched

base; and a seat pivoted to the upper end of said bar.

3. In a stool the combination of a base; a bar pivoted to said base and at its upper end having a lateral stop-plug, *l*; a weight carried on the lower end of said bar to keep the bar normally in an elevated or upright position; a stop on the base to limit the rearward movement of said bar; a seat pivoted to the upper end of said bar, and a curved housing on the lower side of the seat to cover or guard the said lug.

4. In a stool the combination of a base; a bar pivoted to said base and carrying a weight at its lower end; a seat pivoted to the upper end of said bar, and means on the base for causing the lower end of the bar when it swings to be suddenly stopped and thereby tilt the pivoted seat forward.

5. In a stool, the combination of a base; a bar pivoted to said base and provided at its upper end with an inverted-V-shaped lateral stop-lug; means for keeping said bar normally in an upright position; and a seat pivoted to the upper end of said bar, and provided on its lower side with an inverted-V-shaped socket, *q*, adapted to receive said stop-lug, as set forth.

6. In a stool, the combination of an arched base-frame provided with spaced-apart lugs; a foot-plate having its rear edge interposed between said lugs and provided on its under side with hook-lugs adapted to take around the edge of said arched frame; a seat-bar mounted on said frame; and a seat carried by said bar.

In testimony whereof I affix my signature in the presence of two witnesses.

GEORGE P. STEINBACH.

Witnesses:

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CHARLES L. VIETSCH.