H. LANHAM.

COLLAPSIBLE BRACKET.

APPLICATION FILED FEB. 28, 1908.

908,781. Patented Jan. 5, 1909.

Fig. 1.

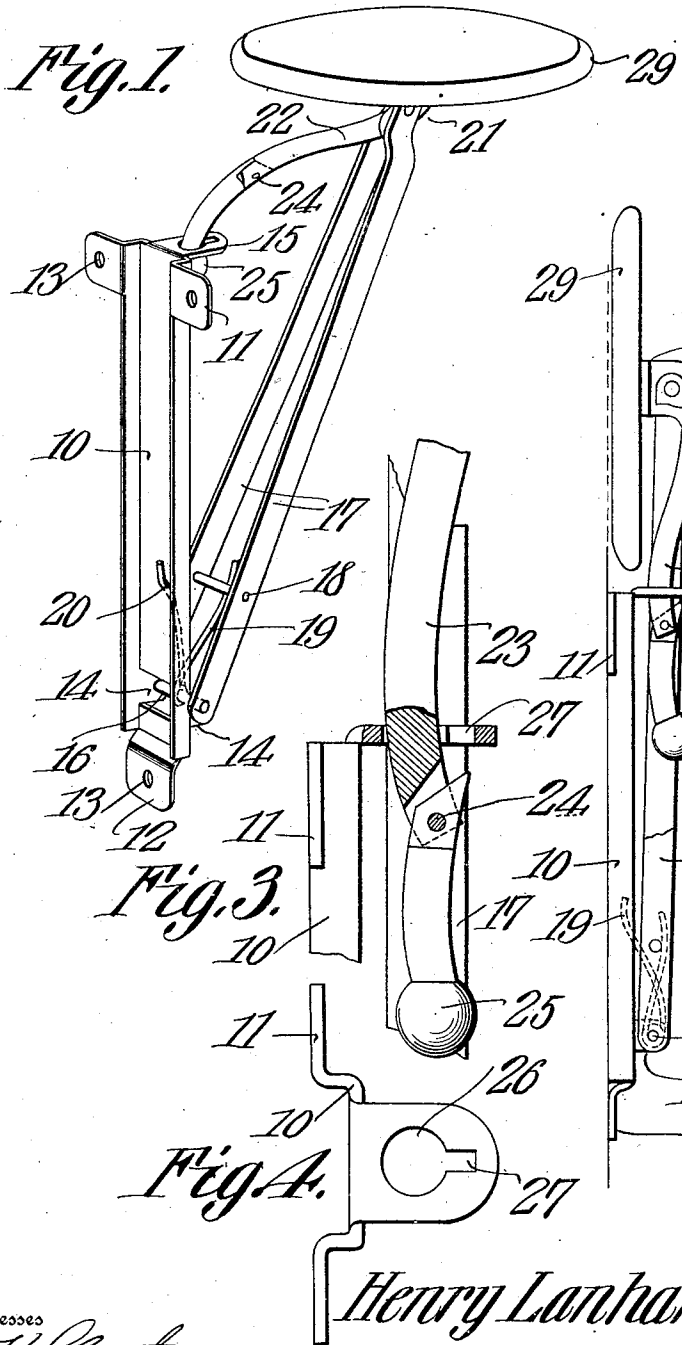


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

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COLLAPSIBLE BRACKET.

No. 908,781. Specification of Letters Patent. Patented Jan. 5, 1909.

Application filed February 28, 1908. Serial No. 418,325.

To all whom it may concern:

Be it known that I, HENRY LANHAM, a citizen of the United States, residing at Rome, in the county of Floyd and State of Georgia, have invented a new and useful Collapsible Bracket, of which the following is a specification.

This invention relates to collapsible brackets, and its object is to provide a new and improved form of such bracket.

A further object is to provide a collapsible bracket which may be readily attached to the side of a counter or the like, and which will fold into a small space without any projecting parts.

A still further object of the invention is to provide an article of the kind described, the greater part of which may be made from pressed sheet metal.

The invention consists in certain novel features of construction, arrangement of parts, and combination of details, hereinafter fully described, illustrated in the accompanying drawings, and specifically claimed.

In the accompanying drawings:—Figure 1 is a perspective view of the bracket arranged to be used in connection with a seat in the open position. Fig. 2 is a side elevation of the same closed. Fig. 3 is a detail of the joint lever. Fig. 4 shows a guide therefor.

Similar numerals of reference are employed to indicate corresponding parts throughout the several figures of the drawings.

The frame of my device is indicated by the numeral 10, and preferably consists of a trough shaped central portion provided with ears 11 at the upper end, extending laterally therefrom, and a downwardly bent ear 12 at the lower end extending longitudinally therefrom. These ears are arranged with openings 13 adapted to receive bolts or screws. Near the lower end of the frame are formed ears 14, and the central part of the trough is bent up at the upper end to form a lug 15. It will readily be seen that the entire frame may be stamped from a single piece of sheet metal as thus constructed.

In the ears 14 is carried a pin 16 upon which is mounted a support 17 here shown as consisting of a pair of bars. A pin 18 is here shown as connecting these bars, and a spring 19 is arranged between the pin and the frame 10, passing through an opening 20 therein in such manner as to normally press the bars 17 toward the frame 10 and cause them to take the position shown in Fig. 2.

It is obvious that any other desired arrangement of the spring might be substituted for this particular form. At the upper end of the bars 17 is pivotally mounted a lever 21 having an outwardly curved portion at the point near the pivot, as indicated by the numeral 22, and an inwardly curved portion, as indicated by the numeral 23. The inwardly curved portion 23 of the lever is jointed as at 24 for the purpose of permitting the end of the portion 23 to assume the position clearly shown in Fig. 2. At the end of the jointed portion is formed a ball 25, as here shown, but it will be obvious that any other form of enlarged end will accomplish the result hereinafter to be described. The lug 15 is provided with an opening 26 therein having a recessed portion 27 formed at one side thereof. The object of this recessed portion will be apparent upon an inspection of Fig. 3, where it will be seen that the joint of the lever 21 would project when in the position there indicated, and thus prevent the lever being drawn up through the opening 26. This opening 26 constitutes a guide for the lever 21, as well as a stop, the ball 25 being larger than the opening and thus preventing the lever being entirely drawn out thereof.

There is formed at the end of the lever 21 an expanded portion 28 arranged to be attached to a seat or the like. In the present construction I have shown a seat 29 attached thereto. It will be observed that in place of the seat here shown a shelf might be attached to the carrier 28, and, if desired, two or more of the brackets might be used to support this shelf. It will further be obvious that in place of the shelf or seat, a table might be attached thereto. It is, therefore, immaterial as to what is attached to the bracket.

In the operation of the device, when it is desired to place the shelf, seat, or the like in operative position, all that it is necessary to do is to draw the same outward from the frame 10. The peculiar shape of the lever and guide will cause the carrier to rotate from a position approximately vertical to one that is horizontal, being held in that position by whatever weight may be placed on the seat or the like. When it is desired to return the same to the inoperative or folded

position, all that is necessary is to remove the weight and the action of the spring 19 will cause the bracket to assume the position shown in Fig. 2.

It is obvious that the tension of the spring 19 may be so arranged as to require a slight assistance to accomplish this folding.

What is claimed is:—

1. In a collapsible bracket, a frame, a support pivoted thereto, a pivotally jointed lever pivoted to said support, a carrier for a seat or the like formed on said lever, means on said frame arranged to rotate the lever as the support is moved outward from said frame, and a stop for limiting the movement of said support.

2. In a collapsible bracket, a frame, a support pivoted thereto, a reversely curved lever pivoted to said support, a carrier for a seat or the like formed on said lever, a guide on said frame embracing said lever and arranged to rotate the same as the support is moved outward, and a stop to limit the motion of said support.

3. In a collapsible bracket, a frame, a support pivoted thereto, a reversely curved lever pivoted to said support, a carrier for a seat or the like formed on said lever, a guide on said frame embracing said lever and arranged to rotate the same as the support is moved outward, and an expanded end on said lever to limit its motion through said guide.

4. In a collapsible bracket, a frame, a support pivoted thereto, a reversely curved lever provided with a joint arranged to permit the reversely curved portion of the lever to lie in approximately a straight line pivoted to said support, a carrier for attaching a seat or the like formed on said lever, a guide on said frame embracing said lever and arranged to rotate the same as the support is moved outward, and a stop to limit the motion of said support.

5. In a collapsible bracket, a frame, a support pivoted thereto, a reversely curved lever provided with a joint arranged to permit the reversely curved portion of the lever to lie in approximately a straight line pivoted to said support, a carrier for attaching a seat or the like formed on said lever, a guide on said frame embracing said lever and arranged to rotate the same as the support is moved outward, and an expanded end on said lever to limit its motion through said guide.

6. In a collapsible bracket, a frame, a support pivoted thereto, means for normally holding said support closed against said frame, a pivotally jointed lever pivoted to said support, a carrier for attaching a seat or the like formed on said lever, means on said frame arranged to rotate the lever as the support is moved outward from the frame, and a stop for limiting the movement of said support.

7. In a collapsible bracket, a frame, lugs formed on said frame to attach the same to a counter or the like, ears formed at the lower end of said frame, a support pivotally attached to said ears, a lug formed at the upper end of said frame provided with an opening therethrough, a lever pivoted to the upper end of said support comprising an end adapted to carry a seat or the like, an outwardly curved portion adjacent the pivotal portion, a reversely curved portion passing through the opening in the last mentioned lug provided with a joint, and an enlarged end arranged to lie in substantially the plane of the support when folded, and means to normally hold said bracket in the folded position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HENRY LANHAM.

Witnesses:

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E. P. HARVEY.