

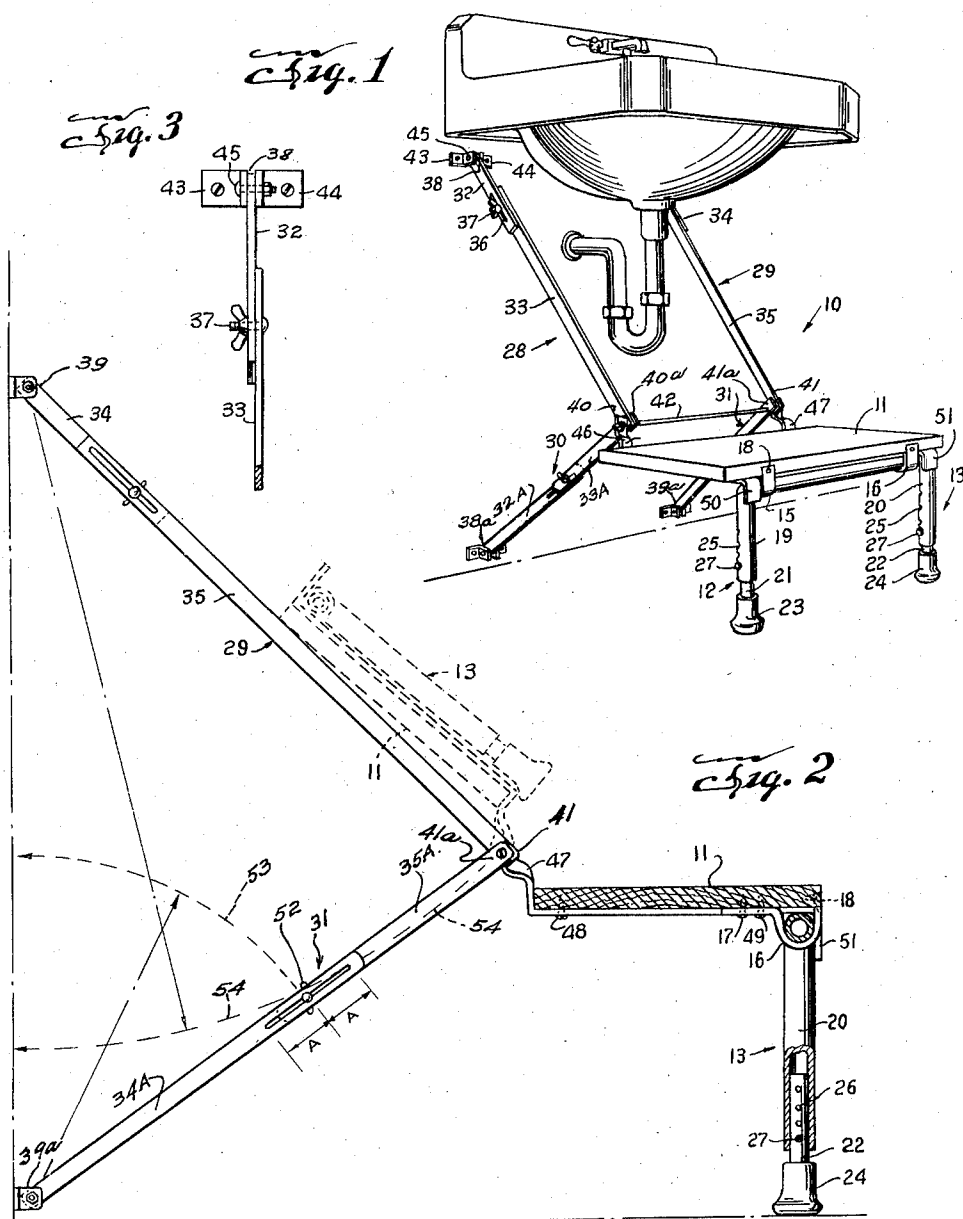
Oct. 28, 1958

L. B. OWNBY

2,858,056

FOLDING STOOL

Filed Feb. 6, 1957



Leo B. Ownby
INVENTOR

BY

Carl E. Wood

ATTORNEY

1

2,858,056

FOLDING STOOL

Leo B. Ownby, Hobbs, N. Mex.

Application February 6, 1957, Serial No. 638,634

6 Claims. (Cl. 228—48)

This invention relates to folding stools, particularly folding steps or stools which are wall mounted.

Care of baby teeth is now considered of first importance. Generally speaking, the only facilities for brushing the teeth available in the home is the lavatory. Lavatories are too high for the younger children, necessitating the use of a stool of some kind for the child to stand upon. Most stools are too heavy for a small child to carry, making it necessary for the mother to place the stool at the lavatory and then move it out of the way when the child has completed his teeth brushing. This is a nuisance and inconvenience. Furthermore, the height of the lavatory is fixed and suits only older children. A stool which is too high is worse than no stool at all.

Accordingly, the principal objects of this invention are to provide a stool easily adjustable for height; one which can be mounted on the wall beneath the lavatory; and one which can be folded out of the way of adults, when not needed by a child.

Precisely, the invention comprises a foldable stool, the platform of which is pivotally supported at the back by two pairs of adjustable wall mounted arms, an upper pair and a lower pair; said platform supported at the front by pivotally mounted adjustable legs, said platform carrying stops for limiting the forward swing of said legs; said platform foldable upwardly and backwardly against said upper pair of arms, said legs foldable downwardly against the underside of said platform; said means for adjusting the lower pair of arms, when loosened, being operable also as a hinge for folding said lower arms adjacent said wall, the upper arms simultaneously swinging downwardly over said lower pair of arms.

Other objects will appear from the description of the invention given below, when considered in connection with the drawing accompanying this application, which drawing shows the preferred form constructed in accordance with the invention.

In the drawing:

Fig. 1, is a perspective view showing the folding stool invention mounted on the wall under a lavatory.

Fig. 2, is a vertical partial cross-section taken on a vertical plane passing between the front legs of the stool and its rear support.

Figure 3 is a fragmentary view of one of the upper adjustable arms.

Continuing now with the detailed description of the invention, reference numeral 10, Fig. 1, designates the foldable stool generally, consisting of the platform 11, supported at its front by the adjustable floor engaging legs 12, 13, respectively, joined by a horizontal round bar 14, said round bar being mounted in bearings 15, 16, respectively, one adjacent each of said legs. Each of said bearings are formed and mounted on said platform as shown in Fig. 2, for bearing 16, secured by screws 17 and 18; each of said adjustable legs having a hollow part 19, 20, and a part 21, 22, respectively, in slidable engagement therewith, a rubber foot rest 23, 24, being mounted on the lower end of each of said slidable parts 21, 22.

2

A series of spaced openings 25, are provided in each of said hollow parts and likewise in the said slidable parts as at 26, with bolts, as at 27, for extending or shortening said legs.

Two pairs of wall mounted adjustable arms, an upper pair 28, 29, and a lower pair 30, 31, are provided for support of said platform at the back. These arms are each made of two parts, as at 32, 33, and 34, 35, respectively, one end of each said parts lapping over the other; one of said lapping ends each being slotted as at 36, the other of said lapping ends each having an opening for the reception of a bolt with wingnut as at 37, for holding same together in adjusted position. Each of the other ends 38, 39, 38a, 39a, 40, 41, and 40a, 41a, of said parts are provided with an opening, a rod 42, being rotatably fitted through said openings in the ends 40, 41, and 40a, 41a, as shown. The ends 38, 39, and 38a, 39a, of said arms are pivotally supported at the wall by angle clips mounted on the wall, one clip at each side as 43, 44, at end 38, the extending legs of said clips each having an opening for free reception of a rivet or bolt, as shown at 45, mounted in said clip openings and arm ends.

Two bars, having their ends 46, 47, respectively, pivotally supported on said rod 42, extend beneath said platform and are secured thereto by screws, as at 48, 49. The opposite ends 50, 51, of said bars are bent downwardly at the platform front over the top of the said pivotally mounted legs, forming stops to prevent outward swing of said legs.

The adjustable arms arrangement permits lateral adjustment of the platform from or toward the wall, as well as vertical adjustment at the back of the platform for height from the floor. The pivoted mounting of the platform on the arms and the front legs on the platform provides a stool which can be folded out of the way against the upper pair of arms, the front legs swinging downwardly upon the underside of the platform, as indicated by the dotted lines in Fig. 2. Furthermore, the whole assembly can be folded against the wall by loosening the wing-nuts on the lower arms, as at 52, and folding these arms as indicated by dotted arc 53, the upper arms moving at the same time toward the wall as indicated by the dotted arc 54. While the stool was invented particularly for mounting under a lavatory for use by children as hereindescribed, it can of course be used in many other instances where now an ordinary stool or chair is resorted to, for example, it can be mounted on the back of closet doors for access to the shelves which are always too high to reach from the floor. This concludes the description of the invention.

What is claimed is:

1. A stool comprising a platform supported at the front by two pivotally mounted rearwardly swingable legs, and supported at the rear by two pairs of arms, a lower pair and an upper pair, each arm being pivotally mounted at one end on a wall and arranged at the other end to pivotally support said platform; said legs and said arms being adjustable for length whereby the height of the platform can be varied and the platform maintained in substantially the same position of vertical alignment, and whereby said platform can be folded back against said upper pair of arms, said legs simultaneously swinging downwardly against the underside of said platform.

2. The structure described in claim 1 wherein said adjustable means provided in said lower pair of arms includes hinging means whereby said lower pair of arms can be folded back against said wall, said upper pair of arms simultaneously swinging downwardly toward said wall over said folded lower pair of arms.

3. A stool having a platform supported at the front by two pivotally mounted rearwardly swingable legs, and

3

supported at the back by two pairs of arms, a lower pair and an upper pair, each arm being pivotly mounted at one end on a wall, and arranged to pivotly support said platform at the other end; said legs and said lower pair of arms being adjustable in length, whereby the height of said platform can be varied and whereby said platform can be folded back against said upper pair of arms, said legs simultaneously swinging downwardly against the underside of said platform.

4. The structure described in claim 3 wherein said adjustable means in said lower pair of arms includes hinging means whereby said lower pair of arms can be folded back against said wall, the upper pair of arms simultaneously moving downwardly toward said wall over said folded lower pair of arms.

5. A stool consisting of a platform supported at the front by two pivotly mounted rearwardly swingable legs, and supported at the rear by two pairs of arms, a lower pair and an upper pair, one end of each arm being pivotly mounted on a wall, the other end of each arm being arranged to pivotly support said platform; said

4

legs and said upper pair of arms being adjustable in length, whereby the height of said platform can be varied, and whereby said platform can be folded back against said upper pair of arms, said legs simultaneously swinging downwardly against the underside of said platform.

6. The structure described in claim 5 wherein said adjustable means in said upper pair of arms includes hinge means whereby said upper arms can be folded against said wall, the lower pair of arms simultaneously moving upwardly toward said wall.

References Cited in the file of this patent

UNITED STATES PATENTS

15	275,481	Gould	Apr. 10, 1883
	972,217	Neubecker	Oct. 11, 1910
	1,267,046	Beaird	May 21, 1918
	2,570,865	Sabo	Oct. 9, 1951
	2,599,529	Harvey	June 10, 1952
20	2,730,835	Weir	Jan. 17, 1956