Feb. 5, 1963 P. C. SMITH ETAL 3,076,628

BABY SEAT

Filed May 16, 1960

FIG. 1.

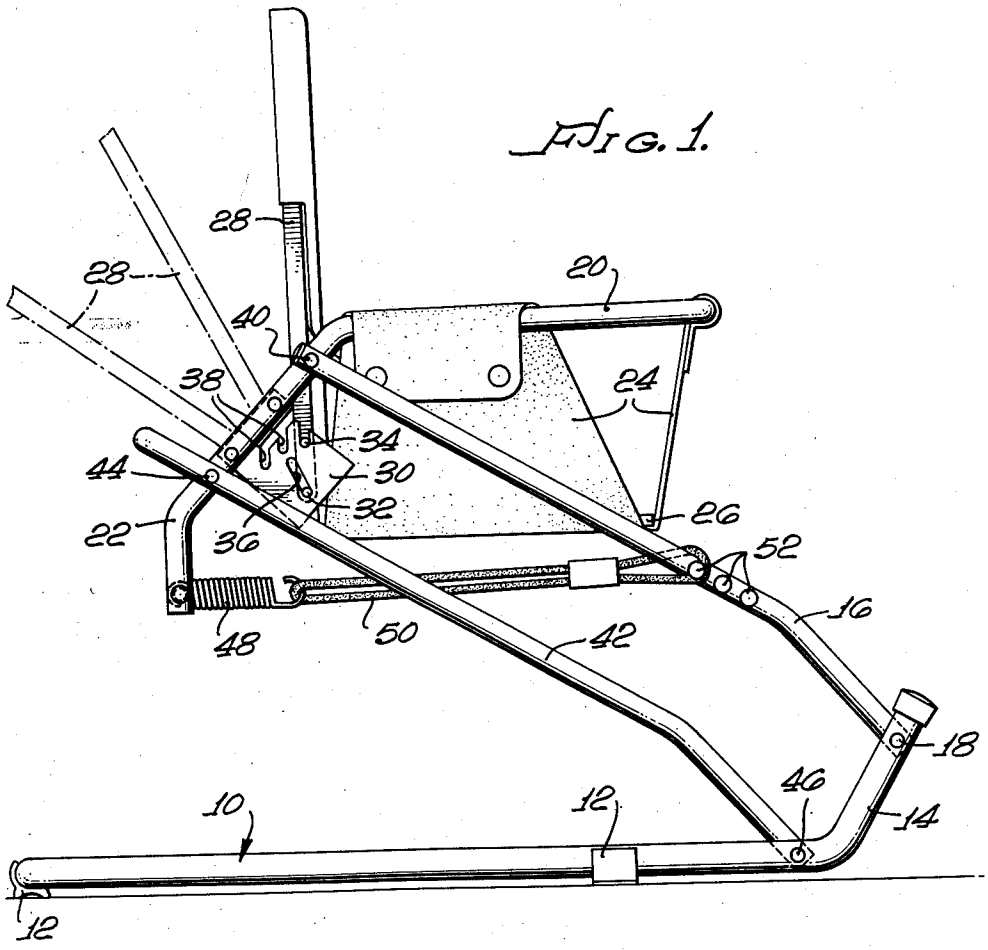
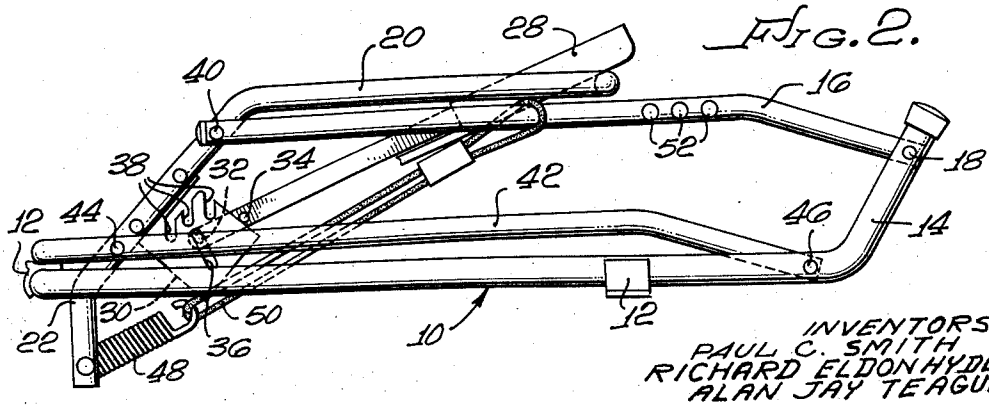


FIG. 2.



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BABY SEAT

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1 Claim. (Cl. 248—399)

This invention relates to an infant chair or jumper.

It is an object of this invention to provide a device in which a child may sit which will yield up and down to permit an infant to experience the sensation of jumping up and down while the seat moves with him.

It is a further object of this invention to provide such a device wherein the spring pressure may be varied to accommodate varying size children.

It is still a further object of this invention to provide means for varying the height of the seat when variations are made for the weight thereof.

Still a further object of this invention is to provide means for maintaining the seat horizontal at all times.

Still a further object of this invention is to provide a device which may readily be folded into a compact package for storage or conveyance.

Other objects and advantages will be readily apparent from the following description.

In the drawings:

FIGURE 1 is a side elevation of a device embodying this invention.

FIGURE 2 is a side elevation of the device in the folded position.

A U-shaped base **10** is provided having plastic clips **12** thereon to provide additional friction against sliding. Each end **14** of the base is bent upwardly and at the extremities a bar **16** is pivotally connected to the base frame as by pin **18**.

A seat frame **20** is generally U-shaped and has its extremities **22** bent to project rearwardly and downwardly. Suspended from frame **20** by cloth **24** is seat **26**. A backrest **28** is pivotally mounted between brackets **30** mounted upon extremities **22** of frame **20**.

The backrest has a pair of pins **32** and **34** the former of which rides in slot **36** and the latter of which is positioned in one of the notches **38** in bracket **30** to permit the backrest to be pivoted with respect to the seat **26**.

The upper extremity of each bar **16** is pivotally connected as by a pin **40** to arm rest frame **20**.

A reinforcing frame **42** is generally U-shaped and is pivotally connected by pins **44** to frame **20** and by pin **46** to frame **10** at a position spaced from bars **16** and forming a parallelogram with the upturned end **14** of base frame **10** and a portion of arm rest frame **20**.

This construction insures that seat **26** will be suspended in a plane parallel to base **10** as the seat is raised or lowered. A spring **48** is secured at each extremity of seat frame **20** and the spring is secured by a loop **50** to bar **16**. A series of protuberances **52** being provided over which the loop may be trained to vary the spring tension.

In FIGURE 1 the loop **50** is over the uppermost protuberance whereby the spring is at minimum tension to accommodate a smaller child. In this position the at-rest position of the seat is also at its lowest position to accommodate a smaller child. As the loop **50** is positioned over a lower protuberance **52** the spring tension is increased to accommodate a larger child jumping up and down therein and the at-rest position of the seat is raised to accommodate such larger child.

When it is desired to fold the device loops **50** are disengaged from protuberances **52** permitting frame **42** to pivot towards frame **10** until same contact. Backrest **28** is pivoted to the foremost position thereby forming a compact package suitable for storage or transportation and lending itself readily to packaging.

While what hereinbefore has been described as the preferred embodiment of this invention, it is readily apparent that alterations and modifications may be resorted to without departing from the scope of this invention and such alterations and modifications are intended to be included within the scope of the appended claims.

We claim:

An infant's seat comprising a U-shaped base frame, an upwardly projecting bar pivotally attached at each extremity of said base, a U-shaped seat frame having downwardly bent extremities pivotally secured to said bars, a seat carried by said seat frame, a further U-shaped frame having its extremities pivotally attached to said base frame, said further frame being pivotally attached to each extremity of said seat frame so as to remain substantially parallel to said bars, a spring secured to each extremity of said seat frame, a series of protuberances on said bars, a loop on each spring adopted to selectively engage one of said protuberances.

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