

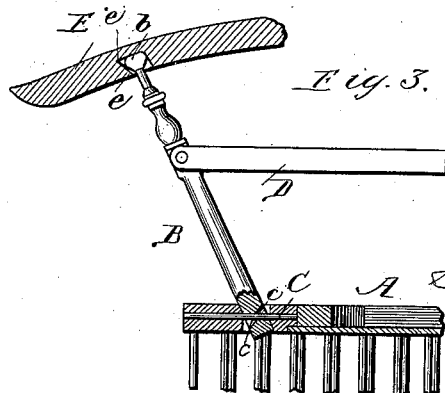
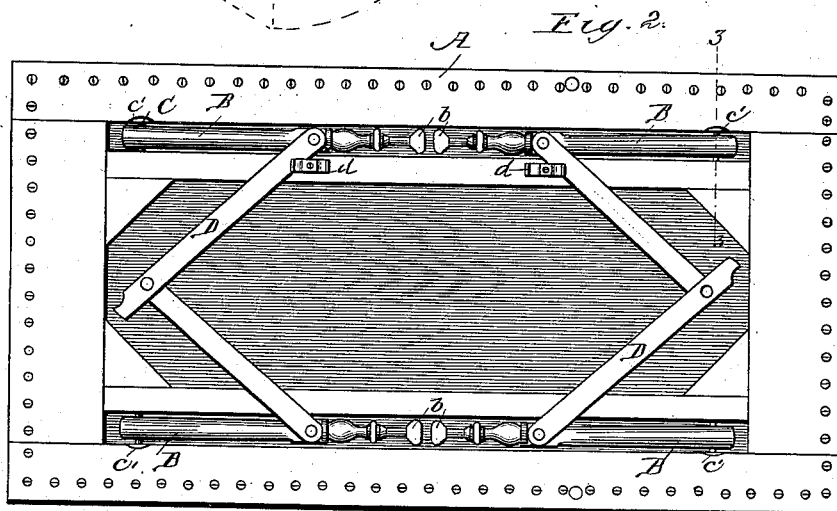
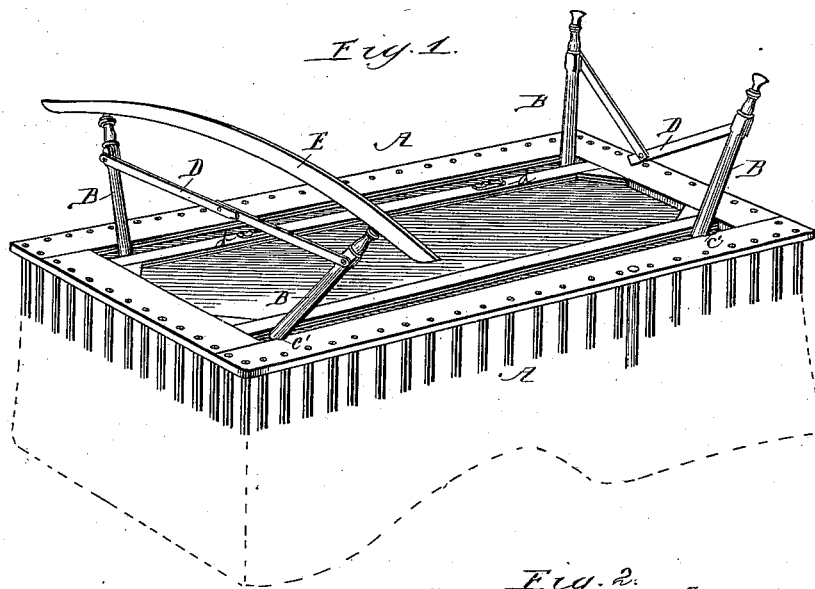
(No Model.)

S. A. HOLMAN.

ATTACHMENT FOR BABY CARRIAGES, CRIBS, OR CRADLES.

No. 381,878.

Patented Apr. 24, 1888.



Witnesses.  
W. Rossiter.  
J. Mills.

Inventor.  
S. A. Holman.  
By C. C. Luthicrum.  
Att'y.

# UNITED STATES PATENT OFFICE.

STRANGE A. HOLMAN, OF CHICAGO, ILLINOIS, ASSIGNOR TO S. A. SMITH & CO., OF BRATTLEBOROUGH, VERMONT.

## ATTACHMENT FOR BABY-CARRIAGES, CRIBS, OR CRADLES.

SPECIFICATION forming part of Letters Patent No. 381,878, dated April 24, 1888.

Application filed July 18, 1887. Serial No. 244,569. (No model.)

*To all whom it may concern:*

Be it known that I, STRANGE A. HOLMAN, of Chicago, Illinois, have invented certain new and useful Improvements in Attachments for Baby-Carriages, Cribs, and Cradles, of which the following is a specification.

My improvements relate to attachments for baby-carriages, cribs, or cradles, whereby the bodies of such carriages may be converted into a crib and the latter into a cradle, and such improvements are also applicable to baby cribs, carriages, and cradles generally, as well as wheeled chairs and other articles of nursery furniture.

The object of my invention is to provide such and similar articles with folding legs and adjustable rockers, whereby they may be readily and easily converted from one article into another, and to make each of said articles safe and substantial.

In the accompanying drawings I have illustrated my invention in connection with a plain body for a child's carriage, which body may be made detachable from the gear; but it will be understood that said body is used for convenient illustration merely.

In said drawings, Figure 1 is a perspective view showing one pair of legs extended and fitted with a rocker, and the other pair of legs also extended but in position to be folded. Fig. 2 is a plan view showing the legs folded, the rocker removed. Fig. 3 is a detail view showing the preferred construction of the rocker and legs.

I prefer to construct the parts so that the legs shall fold into recesses in the bottom of the body and thus be concealed when not in use, as set forth in my patent, No. 355,532, of January 4, 1887. In my present improvements I have so constructed the legs that when unfolded they stand at such angle to the body as to furnish a safe support therefor and prevent its upsetting. I also provide means whereby the legs and rockers are securely locked when in use.

Referring to the drawings, A is the body, which may be of any desired form or material. The legs B are secured to the bottom of the frame in such manner as to permit them to be folded when not in use, and so that their outer

ends may be spread apart. To accomplish this I connect said legs to the body by a two-way joint preferably, or other suitable joint. This joint may be made, as shown in the drawings, by inserting a pin, C, through an opening, *c*, in the end of the leg, such pin having a bearing at each end in the frame of the body. The opening *c* may be made by boring two holes through the leg obliquely, and so as to cross each other mid-length; or a single hole may be bored and its ends counterbored. This form of opening permits the legs to be folded and also to have their free ends separated when in use.

I employ a toggle-joint brace, D, for each pair of legs, and of such length that when straightened out the free ends of the legs are separated to their limit of motion and there held by such brace. The ends of brace D are pivotally connected, respectively, to the members of the pair of legs. This brace may be made to serve as a stop to limit the movement of the legs toward each other by striking the bottom of the body when the legs assume a vertical position in the operation of folding them. This may be accomplished by making one of the members of said brace longer than the other, and so connecting them that the end of the longer one projects beyond their point of junction, as shown in Fig. 2; but the members may be of equal length, and their free ends pivoted at such point on the legs, respectively, as shall adapt the joined ends of both members to strike the body when the legs are in proper position to be folded.

To secure the legs rigidly in position for use, I provide a suitable stop or locking device which engages them when unfolded and separated. The stop shown in the drawings consists simply of a notch, as *c'*, in the frame; but a spring-pin or engaging-lugs or similar devices may be employed.

The rockers E are of peculiar construction, and the ends of the legs B are made to conform thereto. Said rockers are provided on their upper edges with recesses, as *e*, the sides of which nearest the ends of the rockers are undercut, so as to receive and retain the enlarged or bulged end of the leg *b*. The opening of the recess *e* is large enough to admit the end

of the leg when the latter is thrust into it at right angles; but when the legs are forced farther apart the part *b* is forced closely into the undercut recess, and the legs are held by the  
5 brace, as before described, thus securely locking the rockers in place. To release the latter, it is only necessary to throw the members of the brace out of line far enough to allow the ends *b* of the legs to pass the openings of the  
10 recesses.

It will be observed that the devices above described are very simple in their construction and operation, and it is obvious that modifications and equivalents of these devices may  
15 be made and used within wide limits without departing from my invention—as, for example, in the joint, brace, and stop construction described, and therefore I do not limit my invention to the precise structure above set forth.

20 I claim—

1. The combination, with a baby-carriage body, of legs folding into recesses in said body and connected thereto by a two-way joint, a toggle-joint brace connecting said legs yield-  
25 ingly, and a suitable stop, as *c'*, to limit the lateral movement of said legs, substantially as and for the purpose set forth.

2. The combination, with a baby-carriage body, of folding legs pivotally connected thereto, whereby they may be unfolded and  
30 their free ends separated so as to project angularly from the body, rockers having undercut recesses to receive and retain the legs in their angular position, and a toggle-joint brace connecting said legs yieldingly, and whereby  
35 said legs are secured in the recesses of the rockers, substantially as described.

3. The combination, with a body, as *A*, of legs *B*, connected to said body by a pivot, as *C c*, a toggle-joint brace, as *D*, and rockers *E*,  
40 having undercut recesses, as *e*, substantially as described.

4. The combination of a body, as *A*, with pivoted legs *B*, a toggle-joint brace, as *D*, adapted to strike the body when the pivoted  
45 legs are in position to be folded, and rockers *E*, adapted to the legs, substantially as set forth.

STRANGE A. HOLMAN.

Witnesses:

C. C. LINTHICUM,  
SPENCER H. GALE.