April 8, 1930. E. F. LEWIS 1,753,931

COLLAPSIBLE BABY CARRIAGE

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Fig. 1.

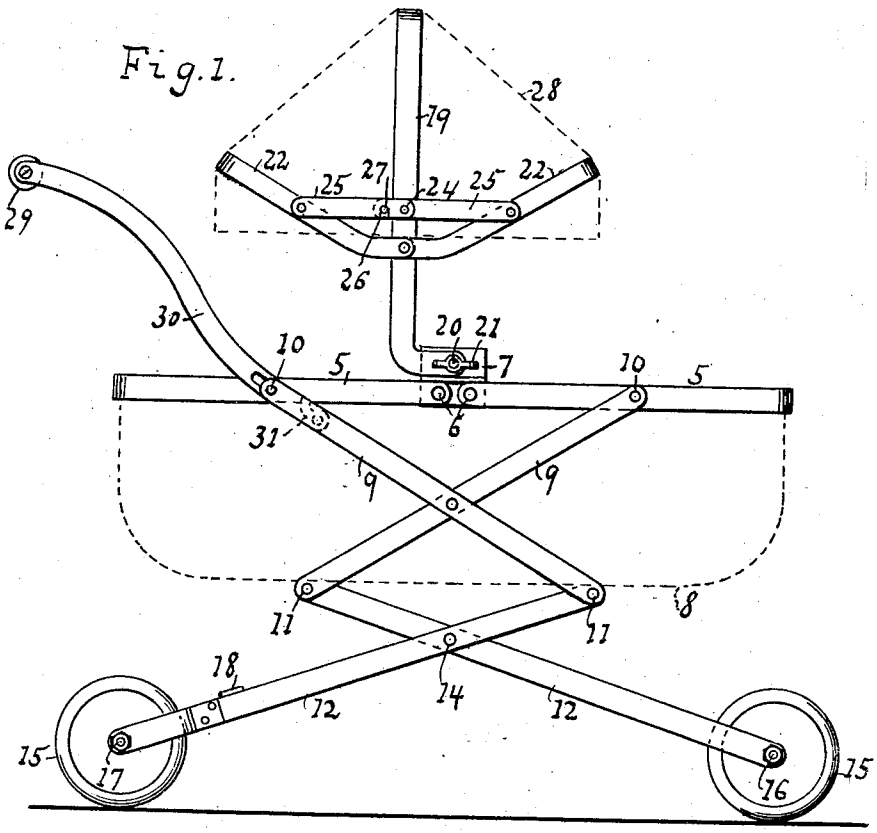
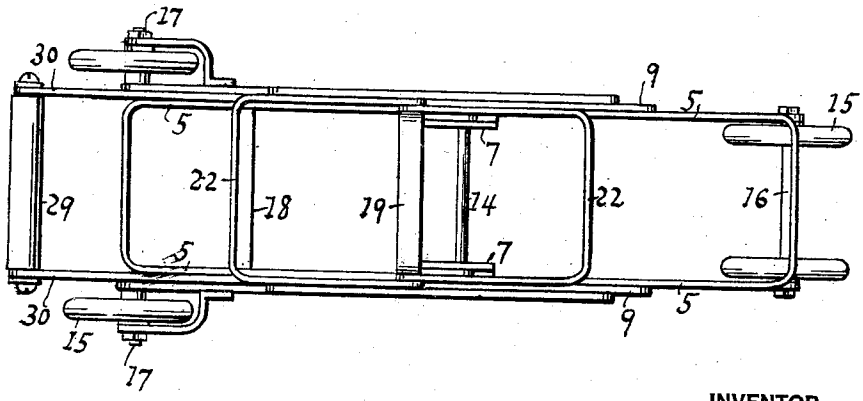


Fig. 2.



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Fig. 3.

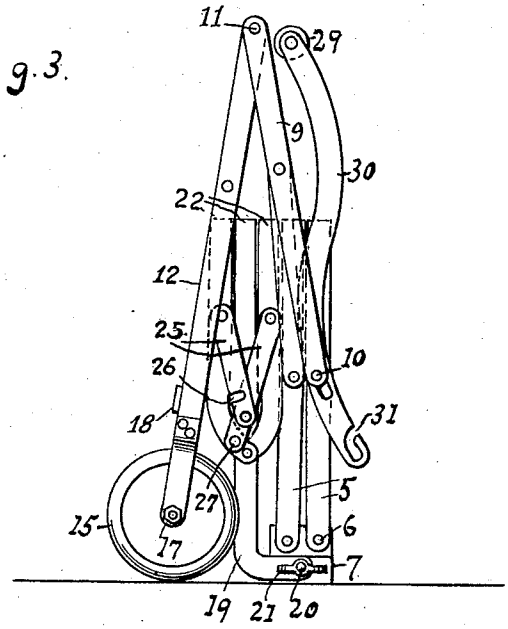
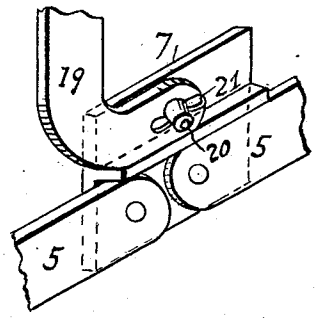


Fig. 4.



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UNITED STATES PATENT OFFICE

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COLLAPSIBLE BABY CARRIAGE

Application filed February 1, 1928. Serial No. 251,091.

This invention relates essentially to a collapsible baby carriage in which the legs, rails, hood and handle are foldable so that when the carriage is not used it can be conveniently carried or stored away.

An object of the invention is to provide the legs with a plurality of lazy-tong members pivoted to a pair of rail members whereby the legs can be folded one inside of the other and the upper lazy-tong members swung over with the pair of rail members practically parallel with the legs.

Another object of the invention is to provide a connecting device for the rail members made to limit the opening movement of the rails and to take up the downward strain of the weight carried in a bed or receptacle suspended from the rails.

Another object of the invention is to provide a hood pivoted to the rail connecting device which can be swung to the forward or rear of the rails or at any angle thereby shading any desired portion of the bed.

The invention resides more particularly in the novel combinations hereinafter described and claimed, reference being made to the accompanying drawings in which:—

Fig. 1 represents a side elevation of a carriage embodying this invention.

Fig. 2 is a plan view of the same.

Fig. 3 is a view similar to Fig. 1 showing the carriage folded.

Fig. 4 is a detail perspective view of the rail coupling device.

In the drawing the numeral 5 designates a pair of bow shaped rails the ends of which are pivoted at 6 to a pair of lugs 7 respectively located on each side of the rails. A bed 8 made of canvas or other suitable material is suspended from the rails as is well known and shown in dotted lines in Fig. 1.

The rails are supported by lazy-tong members 9, a pair being arranged on each side of the rails and the upper ends of each pair are pivoted at 10 to the respective rail sections. The lower ends 11 of the said members are pivoted to pairs of legs 12 having a transverse bar 14 connecting the pair on one side with the pair on the opposite side. On the lower ends of the legs are mounted wheels 15 the two forward ones of which being carried by a transverse axle 16 while the rear pair are supoprted by two short bolts 17 and a transverse brace 18 prevents spread of the rear leg members. The transverse axle is omitted at the rear to permit the legs to be folded with one leg behind the other as indicated in Fig. 3.

The lugs 7 are centrally located in relation to the bed and they have mounted thereon a top frame or hood consisting of a bowed member 19 the lower ends thereof being adapted to swing on bolts 20 each having a wing nut 21 suitable for clamping the ends of the member against the wall of the lug thus preventing movement of the member. The lower portions of the bowed member 19 are elbow shaped as indicated in Fig. 1 so that when the members are folded as shown in Fig. 3 the members will be positioned parallel with the rail members. The bowed member 19 is provided with two bowed arms 22 each being pivoted to the sides of the bowed member. The members 22 are held in their open position by means of links 25 connected at 24 to the members and locked by a hook 26 forming an extension of one of the links and engaging a stud 27 on the other link. A hood or cover of fabric or waterproof material 28 shown in dotted lines in Fig. 1 surmounts the frame and is secured to the bowed members. In this arrangement the upper frame can be swung with the pivot 20 as a fulcrum to the rear or forward portion of the bed and by tightening the wing nut it will hold the frame in any desired position.

A handle 29 has its shanks 30 pivoted at 10 to the rear rail section. The handle is held in operative position as indicated in Fig. 1 by a bayonet joint 31 formed on an extension of the shanks below the pivot connection and engaging a stud on the upper end of the lazy tong link.

When the rails are open or in horizontal position the shoulder on each lug 7 which is parallel with the upper edges of the rails forms a positive stop to prevent downward throw of the two sections and the sections can only be folded by moving the lug up-

ward. The upper and lower pairs of lazy-tongs forming the supports for the rails and mountings for the wheels are provided to permit the device to be folded with a short length of leg thereby making a compact package easily carried. By pivoting the bowed arms 19 the lower portion of which are elbow shaped directly to the lugs above the rail members, the hood can be folded as indicated in Fig. 3 with its arms parallel and practically within the same height as the rail, thereby providing a compact package in which the folded leg wheel carrying members 12 form the highest part. In this arrangement the parts when folded are practically parallel with the rails making a compact package which can be easily transported or carried by a person or stored in a small space when not in use.

It will be seen, that when the carriage is folded as shown in Fig. 3, the rails and the hood frame elbow arms are positioned alongside of each other with the base of the lugs substantially on a line with the periphery of the wheels and the arms and rails extend vertically upward terminating a distance below the pivot points 11 of the folded wheel carrying lazy-tong leg members.

I claim:—

1. In a collapsible baby carriage the combination with a pair of lugs each having a shoulder, of a pair of bowed rail members having the ends thereof pivoted to the lugs and made to impinge on the shoulders so as to limit the opening movement of the rails, wheel carrying lazy-tong leg members connected to the rails, the leg members being adapted to be folded to position one wheel in line with the other, and a hood frame including arms having elbow shaped lower portions pivoted to the lugs whereby the hood frame can be folded parallel with and substantially within the same height as the rails.

2. In a collapsible baby carriage the combination with a pair of rail members, of devices for swingingly coupling and limiting the opening movement of the rails, foldable wheel carrying leg members connected to the rails, and a hood frame having arms swingingly pivoted to the devices, the arms and rails when folded being positioned alongside of each other substantially within the length of and opposite to the folded leg members.

3. A collapsible baby carriage comprising a pair of lugs, rail members pivotally connected to the lugs, foldable wheel carrying leg members connected to the rails, and a hood frame having arms swingingly pivoted to the lugs, the arms and rails when folded being positioned alongside of each other substantially within the length of and opposite to the folded leg members.

4. A collapsible baby carriage comprising a pair of lugs each having a shoulder, rail members pivotally connected to the lugs and made to impinge on the shoulders when open, foldable wheel carrying lazy-tong leg members connected to the rails, and a hood frame including arms having elbow shaped lower portions swingingly pivoted to the lugs, the arms and rails when folded being positioned alongside of each other substantially within the length of and opposite to the folded leg members.

5. A collapsible baby carriage comprising a pair of lugs each having a shoulder, rail members pivotally connected to the lugs and made to impinge on the shoulders when open, foldable wheel carrying lazy-tong leg members connected to the rails, the arms and rails when folded being positioned alongside of each other substantially within the length of and opposite to the folded leg members, and a handle movably connected to the rail members.

In testimony whereof I have hereunto set my hand.

EDWARD F. LEWIS.