

No. 804,581.

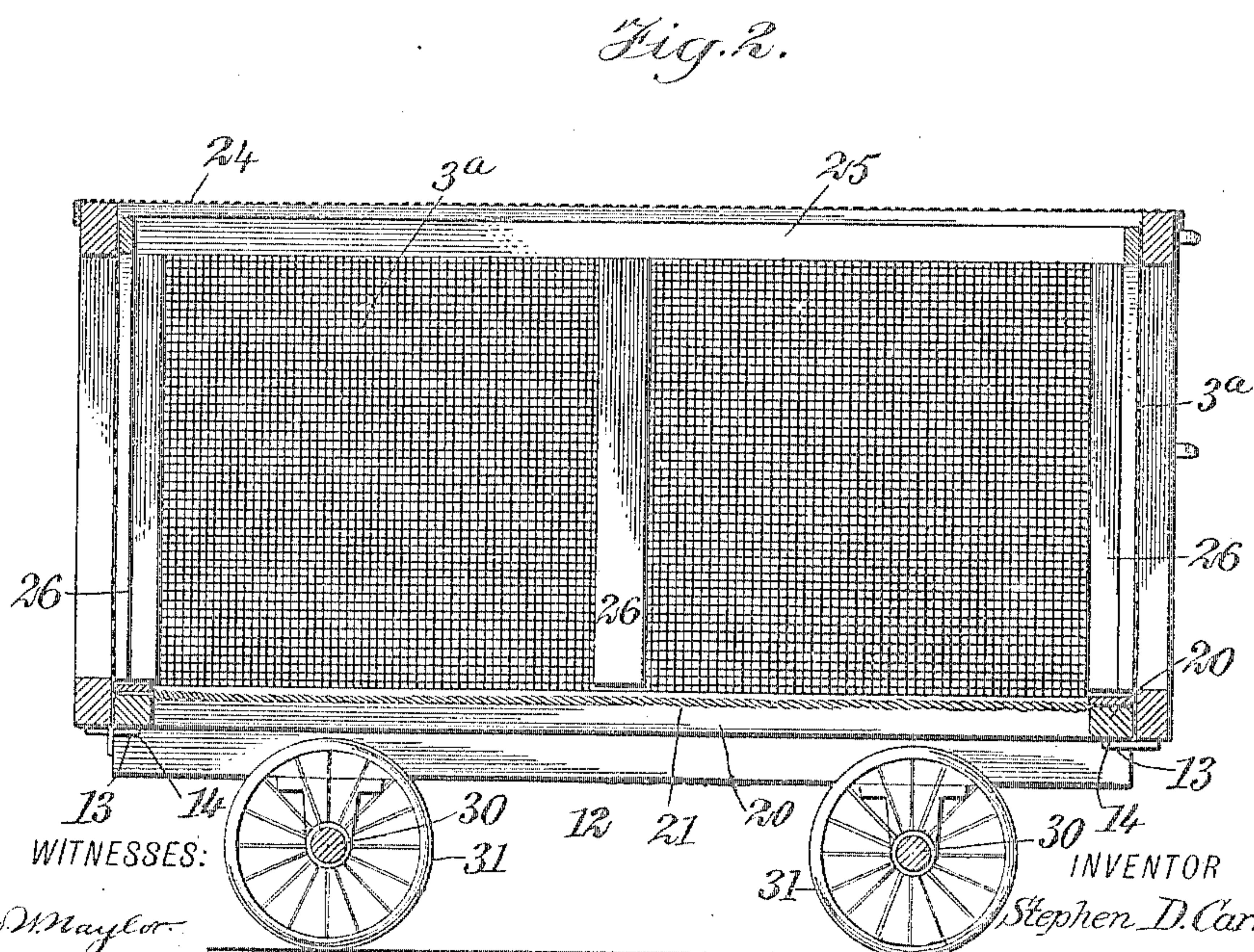
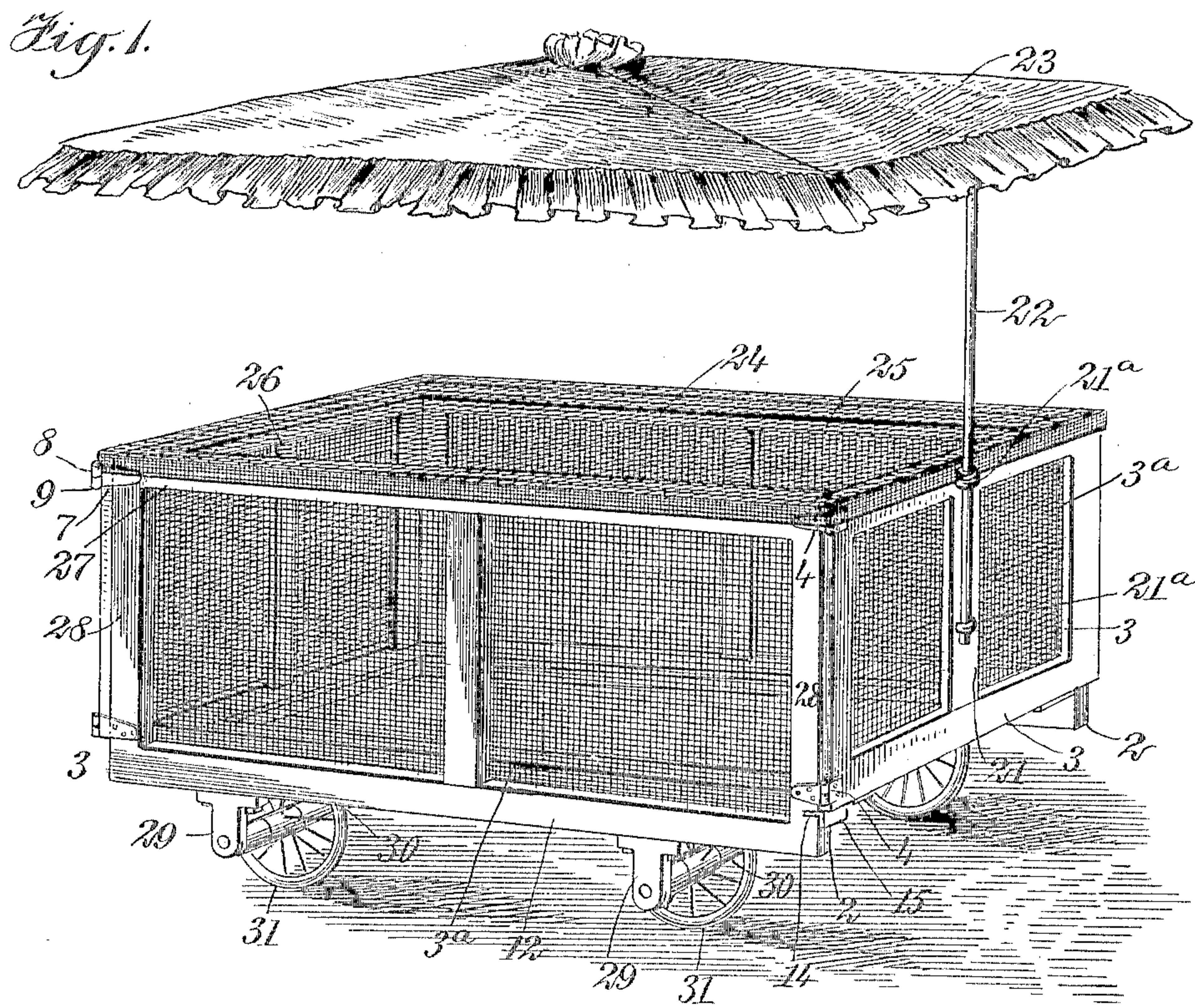
PATENTED NOV. 14, 1905.

S. D. CARMICHAEL.

## COMBINATION BED AND CARRIAGE FOR CHILDREN.

APPLICATION FILED MAY 23, 1905.

2 SHEETS—SHEET 1.



WITNESSES:

Geo. W. Maylor.  
E. Ellis

INVENTOR

Stephen D. Carmichael

84

BY *Mumford*  
ATTORNEYS



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2 SHEETS—SHEET 2.

Fig. 3.

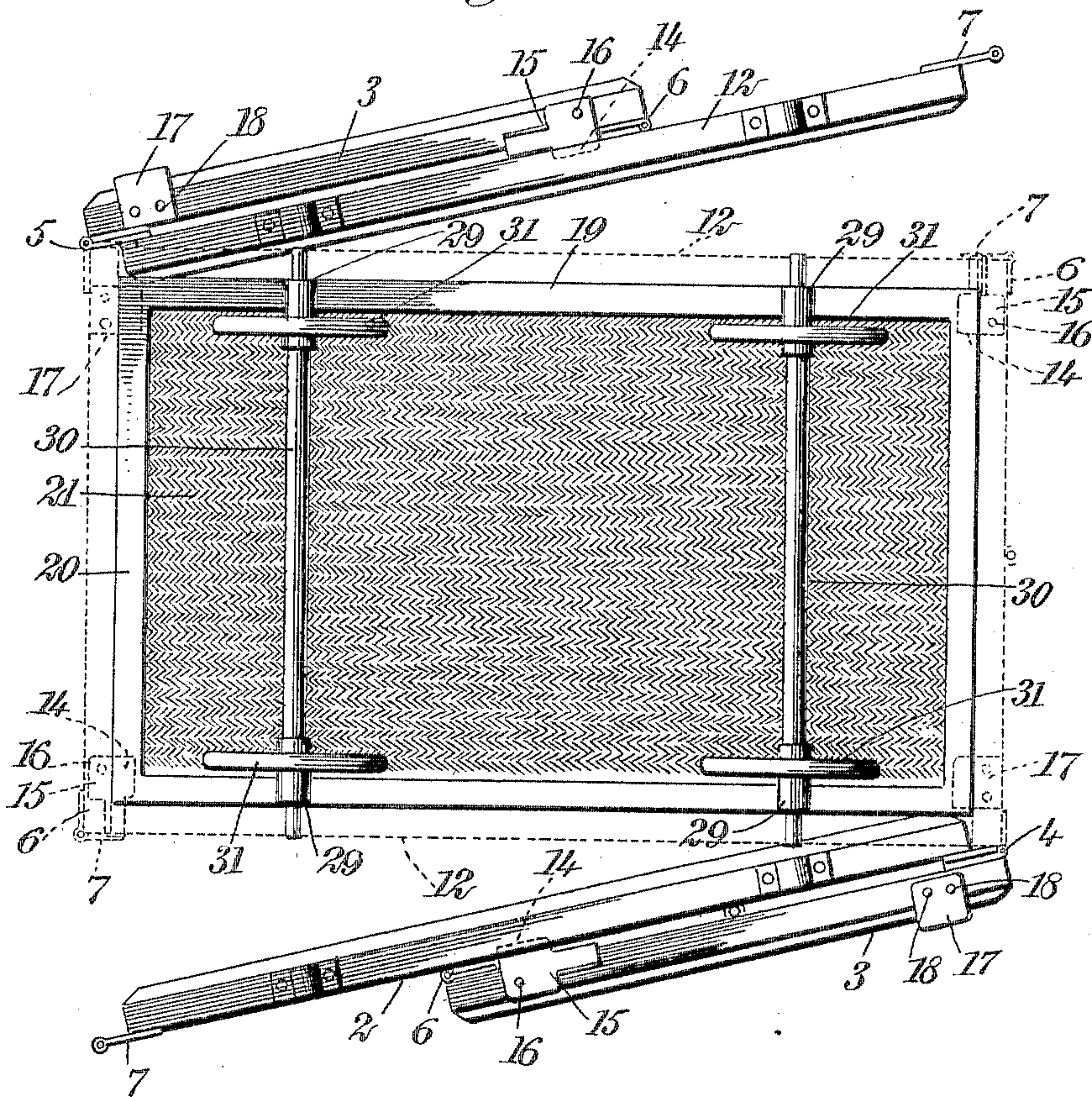
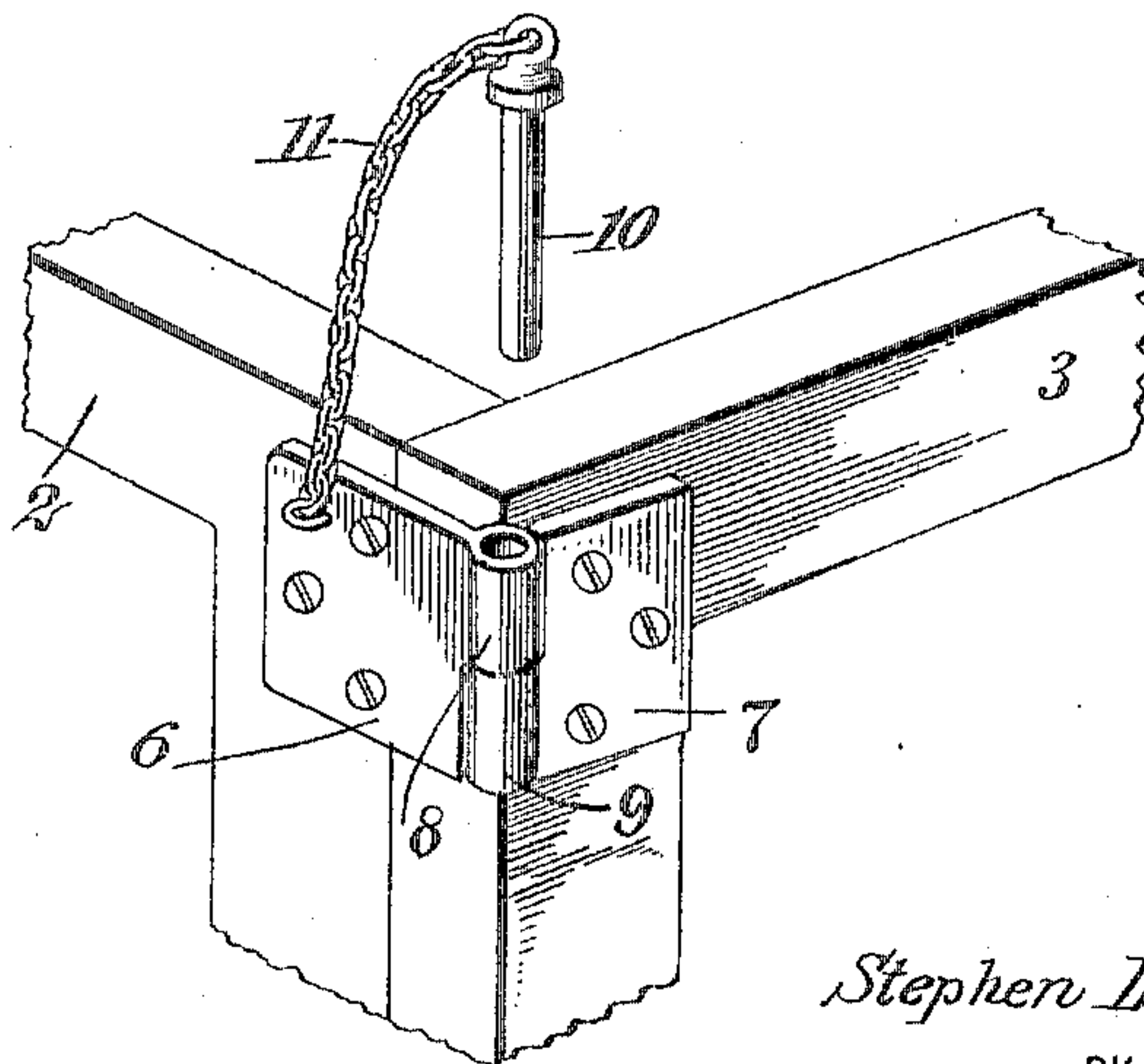


Fig. 4.



WITNESSES:

*Geo. W. Maylor*  
*E. E. Ellis*

INVENTOR

*Stephen D. Carmichael*

BY

*Mumford*  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

STEPHEN DECATUR CARMICHAEL, OF TAMA, IOWA.

## COMBINATION BED AND CARRIAGE FOR CHILDREN.

No. 804,581.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed May 23, 1905. Serial No. 261,736.

*To all whom it may concern:*

Be it known that I, STEPHEN DECATUR CARMICHAEL, a citizen of the United States, and a resident of Tama, in the county of Tama and State of Iowa, have invented a new and Improved Combination Bed and Carriage for Children, of which the following is a full, clear, and exact description.

This invention relates to combination beds and carriages for children; and it consists substantially in the details of construction and combinations of parts hereinafter more particularly described.

One of the principal objects of the invention is to provide a child's combination bed and carriage of such an embodiment as to overcome numerous disadvantages and objections frequently encountered in the use of many other contrivances hitherto devised for a similar purpose.

A further object is to provide a child's combination bed and carriage the elements or members of which may be readily taken apart and folded together, either for storage or transportation of the structure, and again assembled and secured in position for use.

A still further object of the invention is to provide a contrivance of the character referred to affording the maximum of comfort to the occupant thereof and one which may be converted into either a cariole or a bassinet when desired and which is also sanitary and insect-proof, as well as simple in construction, comparatively cheap to manufacture, and possessing the capacity for long and repeated service.

The above and additional objects are attained by means substantially such as are illustrated in the accompanying drawings, forming a part of this specification, in which drawings similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a view in perspective of my improved combination bed and carriage for children, representing the vehicle in readiness for use and showing the same as provided at the rearward end thereof with a suitably-supported canopy for affording protection to the occupant of the carriage from the sun or inclemency of the weather. Fig. 2 is a longitudinal sectional view. Fig. 3 is a bottom plan view showing in full lines the manner in which each of the side sections of the structure, together with an end section thereof, are folded together when certain parts of the structure are disassociated from each other for the purpose of storage or transportation,

the dotted lines showing the parts as secured together for use; and Fig. 4 is a view in perspective representing the means employed for securing each of the end sections of the structure to one of the side sections thereof when the parts are assembled for use.

Before proceeding with a more detailed description it may be stated that in the form of my improvements herein shown I employ a carriage-body of special construction, together with special devices for securing together the elements or parts thereof when the same have been assembled together for use. I employ a mattress within the carriage-body, together with special means for supporting the same in position therein, said means also constituting strengtheners for the end sections of the body, and while I have herein represented my improvements in a certain preferred embodiment it will be understood, of course, that I do not limit myself thereto in precise detail, since immaterial changes therein may be made coming within the scope of my invention.

In the drawings the body of my improved child's combination bed and carriage comprises side sections 2 and end sections 3, each formed of open framework, as shown, and having stretched across the same strips of wire-gauze or other reticulated material, thus rendering the said side and end sections insect-proof and also permitting a free circulation of air throughout the interior of said body. Hinged to one end of one of said side sections 2 at 4 is one end of one of the said end sections 3, while hinged to the opposite end of the other side section 2 at 5 is the other end of the remaining end section 3, and in order to hold or secure the side and end sections together in proper position for use the free ends thereof are provided with cooperating hinge-sections 6 and 7, such as are indicated in Fig. 4, having alining tubular members 8 and 9, through which are inserted a locking-pin 10, having a chain 11 securing the pin to one of the hinge-sections in a manner to prevent loss of the same. Any suitable form of hinge may be employed for permanently joining the end and side sections together, and it is apparent that by removing the locking-pins 11 the side sections may be separated from each other, each carrying with it one of the end sections, and which latter may be folded back upon its side section, as indicated in Fig. 3, so that by placing the two side sections together face to face or one



upon the other it will be seen that but small space will be occupied thereby either for storage of the structure or for shipment or transportation thereof.

5 The lower longitudinal member 12 of each side section 2 is provided at each end thereof with a kerf or groove 13, in which is received a horizontal member 14 of a rotatable catch-plate 15, pivoted at 16 to the under surface of  
10 each of the end sections 3 a suitable distance from the free end thereof. Each of the said end sections is also provided on the under surface thereof, near its hinged end, with a rigid or stationary catch-plate 17, secured to the  
15 section at 18, this catch-plate similarly taking into one of the kerfs or grooves 13 at the ends of the longitudinal member 19 of the opposite side section of the structure. It will thus be seen that when each side section of  
20 the structure, together with the end section carried thereby, are properly assembled and secured together by means of the locking-pin 10, as already described, portions of both the horizontal member 14 of the rotatable catch-plate 15 and the said catch-plate 17 will be  
25 received in the appropriate kerfs or grooves 14 therefor in the adjacent ends of the longitudinal members of the appropriate side sections of the body, the remaining portions of the said rotatable catch-plate 15 and stationary  
30 catch-plate 17 extending interiorly of the body of the structure and serving as corner-supports for the frame 20 of an ordinary spring-mattress 21.

35 One of the end sections of the body of the vehicle may be provided with suitable loops or staples 21<sup>a</sup> for the reception of the supporting-rod 22 of an ordinary canopy 23 to extend over the body of the vehicle at a suitable  
40 height, and preferably I employ a detachable cover 24 for the top of the body, which is also of wire-gauze or other suitable reticulated material. The strips of wire-gauze which form parts of the side and end sections  
45 of the body of the carriage are secured in position on the inner side of the vehicle by suitable longitudinal strips 25 and vertical strips 26 suitably distributed with reference to each other by which to derive the greatest amount  
50 of strength with the addition of as little weight as possible to the structure. Either end of the body of the vehicle may be provided with suitable handles, if desired, to be taken hold of in the ordinary way by the person propelling the carriage, although it is apparent that  
55 the propulsion of the carriage may be easily effected by simply placing the hands upon either one of the end sections of the said body thereof.

60 In addition to the lower longitudinal members 12, hereinbefore mentioned, the body 2 of the carriage is also constructed with upper longitudinal members 27, parallel therewith, the two being united at the ends of the struc-

ture by means of parallel vertical members 28, 65 secured thereto in any suitable manner.

Secured to the under side of the side sections of the body of the carriage are suitable alining hangers or bearings 29 for the support of the axles or shafts 30 of the supporting-wheels 31 for the structure, and it is apparent that both the said axles and supporting-wheels may be readily removed from said bearings, so as to occupy but small space when the structure is taken apart and folded together either for storage or transportation. 75

From the foregoing it is thought that the construction of all the operative parts of my improved child's combination bed and carriage will be thoroughly understood without 80 further description, it being added that by detaching the axles and supporting-wheels from the structure and substituting therefor ordinary rockers the said structure may be readily converted into an ordinary bassinet possessing 85 all of the advantages of the indoor uses for which such devices are usually employed. When constructed on a large scale, the carriage may answer all the purposes of an ordinary cariole, the manner of propulsion thereof 90 being immaterial, and for ease of travel it is preferred that the supporting-wheels shall be provided with any ordinary form of rubber or other cushioning tires.

The rotatable catch-plate 15, hereinbefore 95 referred to, need not of necessity be "rotatable." It could just as well be formed rigid with the end section; but for convenience the same is preferably made as described.

Having thus described my invention, I claim 100 as new and desire to secure by Letters Patent—

1. A child's combination bed and carriage, comprising a body formed of side and end sections, and provided interiorly with a mattress having a frame, the ends of the lower longitudinal members of said side sections being formed with kerfs, and the lower transverse members of said end sections being provided with catch-plates forming supports for the mattress-frame, and portions of which are received in said kerfs when all the sections are assembled together and secured for use. 105

2. A child's combination bed and carriage, comprising a body formed of side and end sections, and provided interiorly with a mattress having a frame, the ends of the lower longitudinal members of said side sections being formed with kerfs, and the lower transverse members of said end sections being provided with catch-plates forming supports for the mattress-frame, and portions of which are received in said kerfs when all the sections are assembled together and secured for use, the entire structure being provided with supporting axles and wheels. 115

3. A child's combination bed and carriage, comprising a body formed of side and end sections and provided interiorly with a mattress 125



having a frame, the ends of the lower longitudinal members of said side sections being formed with kerfs, and the lower transverse members of said end sections being provided with catch-plates forming supports for the mattress-frame, and portions of which are received in said kerfs when all of the sections are assembled together and secured for use, the said side and end sections of said body embodying reticulated screens.

4. A child's combination bed and carriage, comprising a body formed of side and end sections and provided interiorly with a mattress having a frame, the ends of the lower longitudinal members of said side sections being formed with kerfs, and the lower transverse

members of said end sections being provided with catch-plates forming supports for the mattress-frame and portions of which are received in said kerfs when all the sections are assembled together and secured for use, the entire structure being provided with supporting axles and wheels, and the side and end sections of said body embodying reticulated screens.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

STEPHEN DECATUR CARMICHAEL.

Witnesses:

A. W. GUERNSEY,  
JOHN D. BLACK.