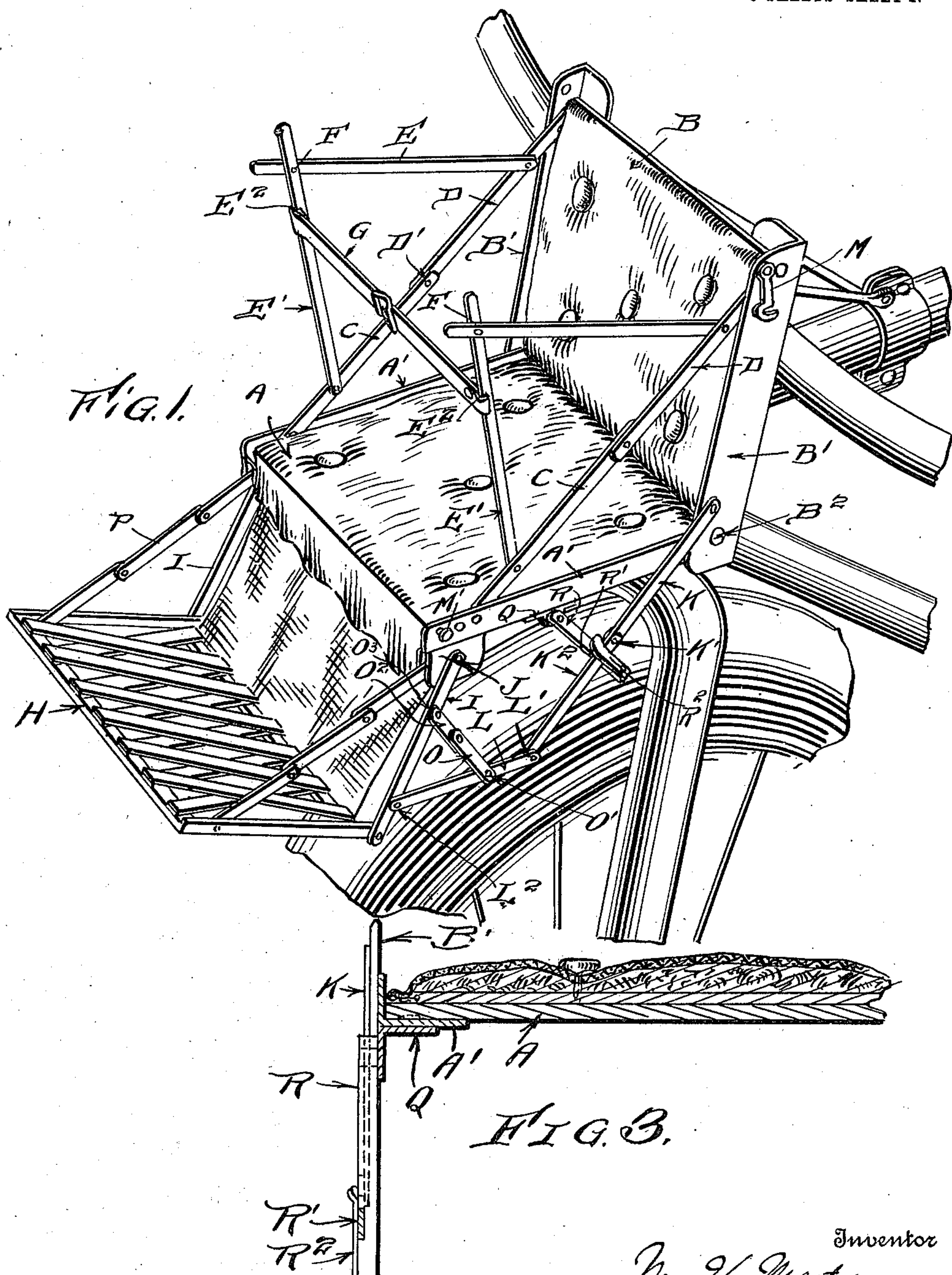


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CHILD'S SEAT FOR BICYCLES.
APPLICATION FILED SEPT. 7, 1910.

975,973.

Patented Nov. 15, 1910.

3 SHEETS—SHEET 1.



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By

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975,973..

3 SHEETS—SHEET 2.

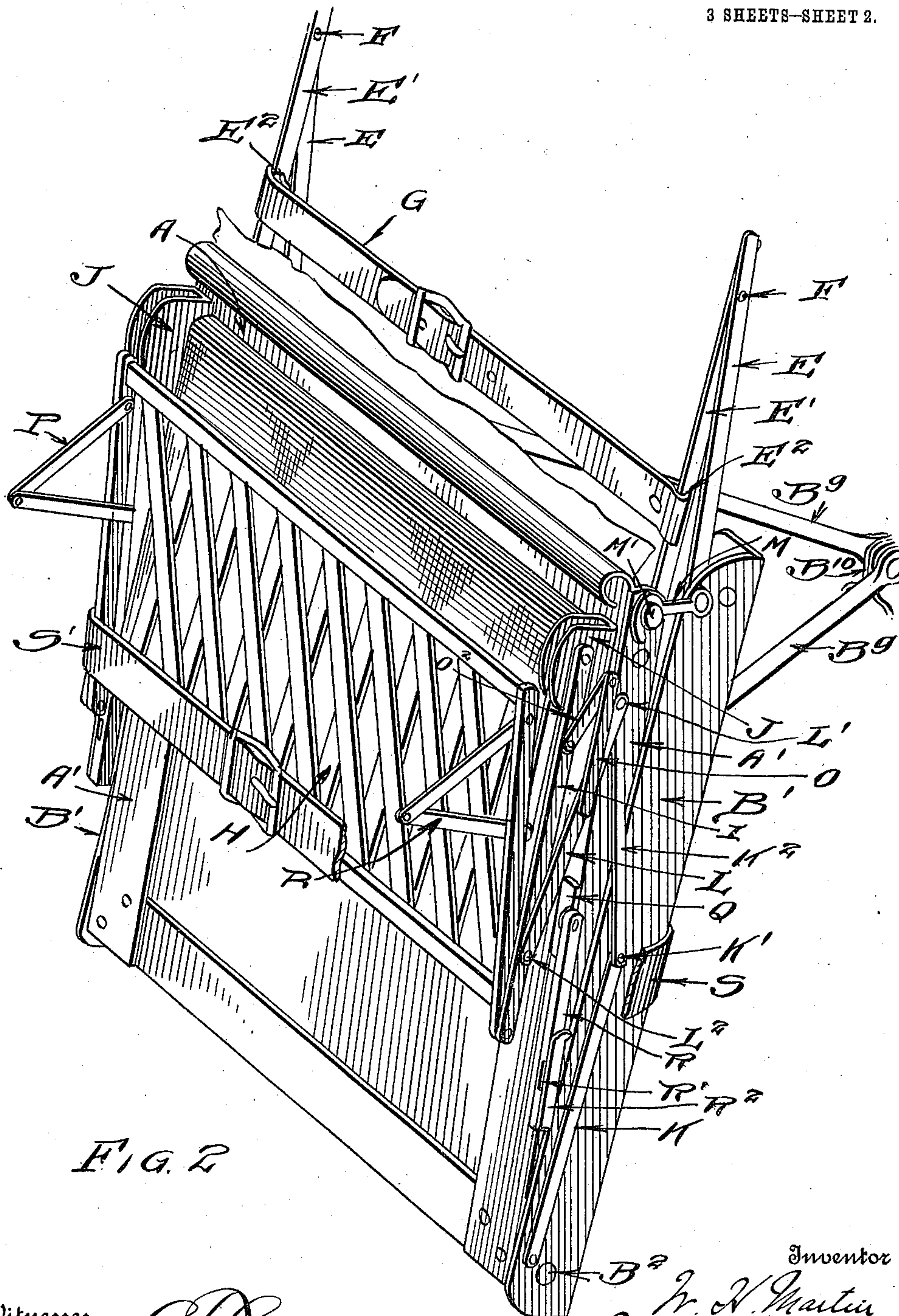


FIG. 2

Witnesses

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CHILD'S SEAT FOR BICYCLES.

975,973.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed September 7, 1910. Serial No. 580,855.

To all whom it may concern:

Be it known that I, WILLIAM H. MARTIN, a citizen of the United States, residing at Bisbee, in the county of Cochise and Territory of Arizona, have invented certain new and useful Improvements in Children's Seats for Bicycles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in folding children's seats for bicycles and comprises a simple and efficient device of this nature which may be securely held to the head of the fork and frame of the machine, means being provided for adjusting the chair and for holding it in open relation.

The invention comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a perspective view showing the application of the invention to the frame of the bicycle. Fig. 2 is a view illustrating the chair folded. Fig. 3 is a detail sectional view through a pivotal brace holding member mounted upon the seat of the chair. Fig. 4 is a detail view showing the adjustment of the connections for holding the chair to the frame of the bicycle, and Fig. 5 is a rear view of the back of the seat and the metallic angled members fastened thereto.

Reference now being had to the details of the drawings by letter, A designates the bottom and B the back of the chair, said bottom having flanges A', and B' designates a right-angled metallic member to which the back is fastened. The rear end of the seat is pivotally connected to said angled member B' by means of the pins B² and brace bars, designated by letters C and D, are pivoted the former to the flange A' and the latter to said member B', one upon either side of the bottom and back respectively, said braces being pivotally connected together at D'.

Pivotally connected to each brace bar D is a bar E and to each bar C a bar E', and

said bars E and E' are pivotally connected by means of the pivotal pin F. A strap G connects the two bars E', being fastened in a slot E² therein and is provided for the purpose of holding the child in the seat while the brace bars E, D and C, as well as E', serve to hold the child from moving laterally.

A foot rest, designated by letter H, which may be made of any suitable material, such as intersecting bars as shown, is provided and the rear end of said foot rest is pivotally connected to the bars I which in turn are pivotally connected to the inverted U-shaped members J which are secured to the under surface of the seat adjacent to its forward marginal edge.

Pivotally connected to the member B' adjacent to their lower ends are the strips K which are pivotally connected by means of the pins K' with the strips K² and strips L are pivoted by means of the pins L' to the strips K² and in turn pivotally connected at L² with the bars I. Links O are pivotally connected at O' to the strips L and in turn pivotally connected to the links O² which are pivotally connected to the pins O³ fastened to the strips I. The outer end of the foot rest is held by means of the links P which connect said foot rest with said inverted U-shaped members J.

Fixed to an ear of the bracket member Q, one adjacent to either side of the bottom and fastened to the under face thereof, is a bar R having a recess R' formed in its outer face, and R² is a spring fastened to the bar R and adapted to form a closure to said recess and serving to hold the link K² therein when the seat is open in the manner shown in Fig. 1 of the drawings. Said springs serve to hold the parts of the chair from folding. When the parts are folded, the hooks M which are pivotally mounted upon the member B' are adapted to engage the headed lugs M' upon the standards A', as shown clearly in Fig. 2 of the drawings.

It will be noted that the backs of said angled members B' have slots B⁵ parallel to each other and longitudinally formed therein and in which the bolts B⁶ are adapted to be adjustably held by means of the nuts upon the bolts, and B⁷ are ears which are apertured for the reception of said bolts and each ear carries a pivotal pin B⁸ upon which a rod B⁹ is pivotally mounted and on the outer end of each rod B⁹ is pivotally fas-

tened a concaved clamping member B^{10} . The two clamping members, one mounted upon each of said rods, are adapted to engage the horizontally disposed tubular portion of the bicycle frame and held in clamping relation therewith by means of the bolts B^{11} and the nuts B^{12} thereon. A bracket member, designated by letter T, is fastened to the faces of the members B' and has a concaved portion T' which coöperates with a clamping plate T^2 to embrace the head of the fork of the bicycle and said clamping members T and T^2 are held by means of the bolts T^3 having nuts T^4 thereon. In order to hold the parts in folded relation, straps S and S' are fastened one to each member B' , one strap containing a buckle adapted to receive the end of the other strap, as shown in Fig. 2 of the drawings.

From the foregoing, it will be noted that, by the provision of a seat made as shown and described, a simple and efficient device is provided whereby the seat may be securely held to the frame of the bicycle in open relation for use or, when not in use, reduced to a compact form for storage or shipment.

What I claim to be new is:—

1. A child's seat for bicycles, comprising a bottom and back hinged together, a foot rest hinged to the bottom, brace straps pivotally connecting the back and bottom, pivotal link connections between the foot rest and back, pivotal bars fastened to the bottom and each having a recess adapted to receive one of the link connections between the platform and back, springs for holding the link connections in said recesses, and means for fastening the back to the frame of the bicycle.

2. A child's seat for bicycles, comprising a bottom and back hinged together, a foot rest hinged to the bottom, brace straps pivotally connecting the back and bottom, pivotal link connections between the foot rest and back, pivotal bars fastened to the bottom and each having a recess adapted to receive one of the link connections between the foot rest and back, springs for holding the link connections in said recesses, brace strips pivotally connecting the back with the seat, and means for fastening the seat to the frame of a bicycle.

3. A child's seat for bicycles comprising a back and bottom hinged together, inverted U-shaped members fastened to the under surface of the bottom, a foot rest, pivotal link connections between said foot rest and U-shaped members, said bottom adapted to fold within the latter, link connections between the foot rest and back, means for holding said connections from folding, and mechanism for fastening the seat to the frame of a bicycle.

4. A child's seat for bicycles comprising a back and bottom hinged together, inverted

U-shaped members fastened to the under surface of the bottom, a foot rest, pivotal link connections between said foot rest and U-shaped members, said bottom adapted to fold within the latter, link connections between the foot rest and back, means for holding said connections from folding, bars pivotally connected to the bottom and each having a recess, a spring fixed one end to each of said recessed bars and adapted to engage one of the links of the connections between the bar and foot rest, and means for fastening a seat to the frame of a bicycle.

5. A child's seat for bicycles consisting of a bottom having flanges upon the opposite edges thereof, a back, angled members fastened thereto and pivotally connected to said bottom, a foot rest, inverted U-shaped members fastened to the bottom, links connecting the foot rest to said members, pivotal link connections between the foot rest and the latter, links connecting said angled members with the foot rest, ears upon the bottom, bars pivotally connected thereto and each having a recess, a spring fastened to each bar adjacent to its recess and adapted to hold one of the links connecting the flanged member and the foot rest within said recess, and means for fastening the seat to the frame of a bicycle.

6. A child's seat for bicycles consisting of a bottom having flanges upon the opposite edges thereof, a back, angled members fastened thereto and pivotally connected to said bottom, a foot rest, inverted U-shaped members fastened to the bottom, links connecting the foot rest to said members, pivotal link connections between the foot rest and the latter, links connecting said angled members with the foot rest, ears upon the bottom, bars pivotally connected thereto and each having a recess, a spring fastened to each bar adjacent to its recess and adapted to hold one of the links connecting the flanged member and the foot rest within said recess, said angled members having elongated slots therein, angled apertured plates, bolts adapted to hold the same in adjusted positions in said slots, rods fastened to said apertured plates, clamping members pivotally connected to said rods for engagement with the frame of a bicycle, a bracket member, a clamping plate fastened to said angled members and adapted to engage the head of a bicycle.

7. A child's seat for bicycles consisting of a bottom having flanges upon the opposite edges thereof, a back, angled members fastened thereto and pivotally connected to said bottom, a foot rest, inverted U-shaped members fastened to the bottom, links connecting the foot rest to said members, pivotal link connections between the foot rest and the latter, links connecting said angled members with the foot rest, ears upon

the bottom, bars pivotally connected thereto
and each having a recess, a spring fastened
to each bar adjacent to its recess and adapt-
ed to hold one of the links connecting the
5 flanged member and the foot rest within said
recess, said angled members having elon-
gated slots therein, angled apertured plates,
bolts adapted to hold the same in adjusted
positions in said slots, rods fastened to said
10 apertured plates, clamping members pivot-
ally connected to said rods for engagement

with the frame of a bicycle, a bracket mem-
ber, a clamping plate fastened to said angled
members and adapted to engage the head of
a bicycle, and means for holding the parts in 15
folded relation.

In testimony whereof I hereunto affix my
signature in the presence of two witnesses.

WILLIAM HARRIS MARTIN.

Witnesses.

JAMES R. AMBURN,

ARCHIBALD TRESCOWTHICK.