

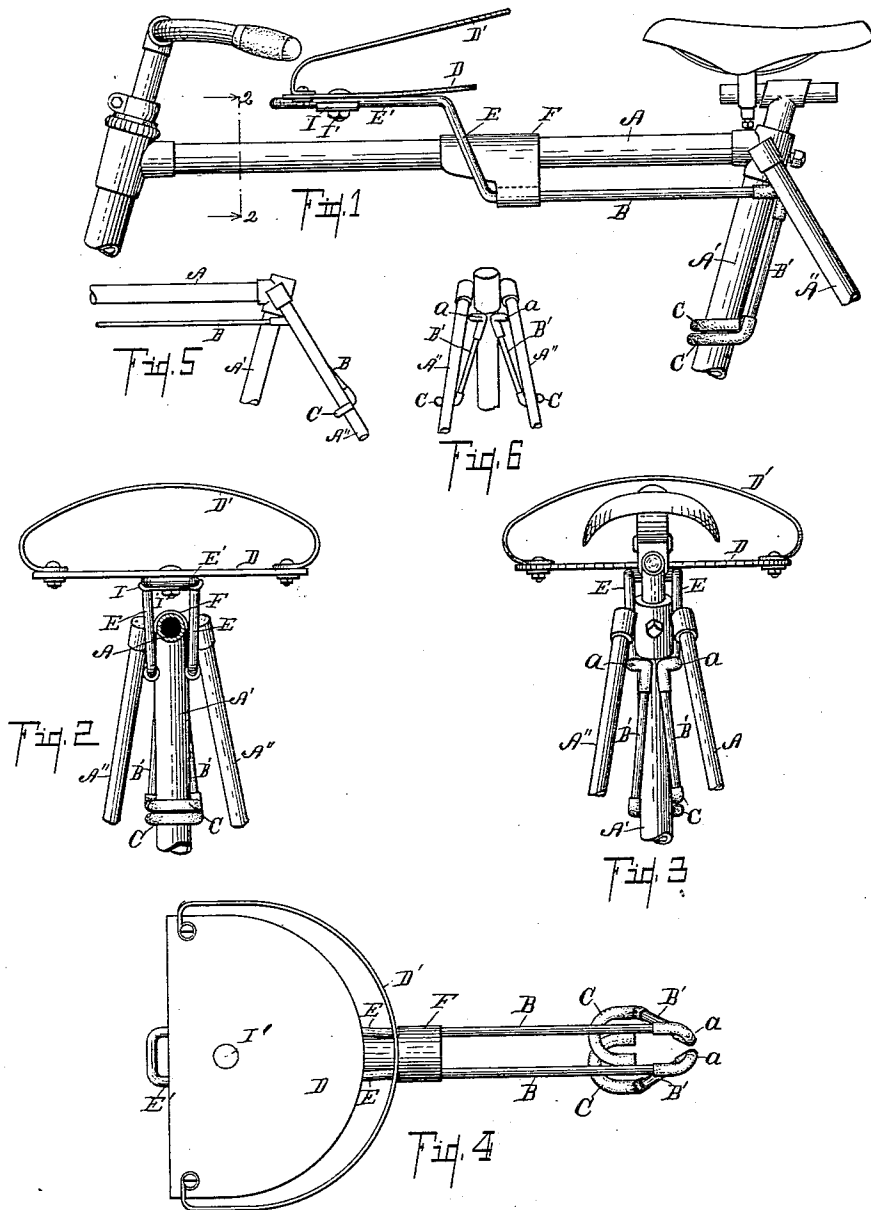
(No Model.)

M. E. BLOOD.

AUXILIARY SEAT AND PARCEL CARRIER FOR BICYCLES.

No. 560,187.

Patented May 19, 1896.



Witnesses:
Walter S. Wood
U. E. Chappell

Inventor,
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By Fred L. Chappell
Att'y.

UNITED STATES PATENT OFFICE.

MAURICE E. BLOOD, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO THE
KALAMAZOO CYCLE COMPANY, OF SAME PLACE.

AUXILIARY SEAT AND PARCEL-CARRIER FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 560,187, dated May 19, 1896.

Application filed November 21, 1895. Serial No. 569,611. (No model.)

To all whom it may concern:

Be it known that I, MAURICE E. BLOOD, a citizen of the United States, residing at the city of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented a certain new and useful Improvement in Auxiliary Seats and Parcel-Carriers for Bicycles, of which the following is a specification.

My invention relates to improvements in auxiliary seats and carriers for bicycles.

The objects of my invention are, first, to simplify and cheapen the construction of such devices; second, to provide an improved means of attaching and supporting the same on the frame of a bicycle; third, to provide an improved construction which will dispense with the use of buckled straps and screw-clamps in attaching; fourth, to simplify the construction of the device and still secure a proper spring-support for the seat; fifth, to provide an improved seat for such constructions and other objects appearing in the detailed description. I accomplish these objects of my invention by the devices and means shown in the accompanying drawings, in which—

Figure 1 is a side elevation of the upper portion of a bicycle-frame, showing my improved seat and carrier attachment in position. Fig. 2 is a sectional view on line 2 2 of Fig. 1 looking in the direction of the little arrows at the end of the section-lines. Fig. 3 is a rear elevation of the part shown in Fig. 1. Fig. 4 is a top plan view of my improved seat and attaching device detached from the bicycle. Fig. 5 is a side elevation of a modification of the rear or clamp portion in position on the bicycle-frame. Fig. 6 is a rear elevation of the parts shown in Fig. 5.

Similar letters of reference refer to similar parts throughout the several views.

Referring to the lettered parts of the drawings, A represents the top bar of the bicycle-frame; A', the main central brace which supports the saddle and its post; A" A", the rear braces of the frame, which project downwardly and rearwardly to each side of the rear wheel.

My improved auxiliary seat and carrier is supported by the doubled rod which extends horizontally beneath the top bar A at B to

each side of the same, extends upwardly and forwardly at E, and then horizontally and forwardly above the bar A at E', the loop from doubling the rod being formed at the forward end. The rear portion of the part B is curved inwardly at *a a* and embraces the top section of the brace at A' below the bar A and then extends downwardly at B' and has lateral hooks C C formed thereon, which embrace the central brace A by engaging it from both sides. The parts B' extend slightly outward, so as to force the top portions *a a* to clamp the bicycle-frame when the carrier is in position and put a little stress on the whole attachment, that prevents rattling, to retain it securely in position. The hooks C might be made to embrace the braces A' A' in the same manner and secure the same result. A strap F forms a saddle over the central portion A and is securely attached to the rod at the forward portion of the bar B at each side. The saddle F has a forwardly-projecting portion which extends between the portion E and the top bar A to prevent marring the same. On the horizontal forward portion E' a seat D is secured by a clamp I, secured thereto by the bolt I'. Sides and back to the seat are formed of the single curved wire D', attached at the ends only to the front of the seat. A parcel-carrier might be supported in place of the seat, as must be very clearly apparent to any skilled mechanic. It will be noted from this construction that the seat will be very springy owing to the fact that the rod is made of spring metal and is supported at such widely-separated points as to allow a proper springing of the same. The parts which come in contact with the frame of the bicycle, as at C C *a a*, should be covered with pieces of rubber tubing crowded onto the rod or leather or fabric to prevent injury to the enameling or the tubing of which the frame is made.

The seat is very quickly attached and detached without the use of a wrench or the necessity of buckling or unbuckling any straps. It will remain very secure in position when placed upon the frame of a bicycle with no danger of any jolting or jarring detaching the same. I desire to state in this connection that a construction similar to this is adapted for use in connection with the

forward portion of the frame of a bicycle and that I intend to make application for a patent upon the same and hereby reserve that portion of my invention for a separate application.

Having thus described my improved seat and carrier attachment for bicycles, it must be clear that it is capable of considerable variation without departing from my invention. The downwardly-extending parts B' B' could be dispensed with and the seat remain in position very well indeed. These parts, however, besides adding security, also prevent any tipping of the seat, and as they tend to project outwardly they also put tension on the whole and prevent any rattling of the connections.

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

1. In an auxiliary seat for bicycles the combination of the rod-frame consisting of the horizontal frame B, the inwardly-curved portions *a, a*, at the rear end of portion B, for engaging the center brace beneath the rear braces; the downwardly-projecting portions B', with oppositely-situated hooks C, to clamp the central brace; the forwardly and upwardly projecting portions E, with the horizontal portions E', to the forward end of the same; the saddle F, of suitable material secured to the forward portion of the part B, and adapted to rest over the top bar of a bicycle-frame and a seat D, clamped to the horizontal portion E', all coacting together substantially as described for the purpose specified.

2. In an auxiliary seat for a bicycle the combination of a double-rod frame extending to each side of the top bar and curved inwardly to engage back of the central brace and bent downwardly at B', with hooks C, at the bottom to engage on the frame below;

saddle-pieces F, connecting the bars from each side together to rest over the top bar of the frame; and a seat or carrier portion at the forward end all substantially as specified.

3. In an auxiliary seat for a bicycle, the combination of the double-rod frame extending down and back to each side of the top bar A of the bicycle-frame and secured by suitable means at its rear end to the bicycle-frame; a suitable seat or carrier at the forward end of said frame; and a saddle portion F, extended between the rods of the frame and over the bar A with a projecting portion between the rods of the frame and the top bar A to protect the same, as specified.

4. In an auxiliary seat for a bicycle the combination of a double-rod frame extending to each side of the top bar of the bicycle-frame and curved inwardly to engage back of the central brace beneath the rear braces of the frame; a saddle-piece connecting the bars from each side together to rest over the top bar of the frame; and a seat or carrier portion at the forward end substantially as specified.

5. In an auxiliary seat for bicycles, the combination of a double-rod frame extending to each side of the top bar of the bicycle-frame and curved inwardly to engage back of the central brace beneath the rear braces of the frame; a seat or carrier portion on the forward end of the double rods; and means for supporting the double rods on the bicycle-frame at a point intermediate between the seat or carrier and the attachment of the double-rod frame at the rear, substantially as specified.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

MAURICE E. BLOOD. [L. S.]

Witnesses:

WALTER S. WOOD,
VENE E. CHAPPELL.