

(No Model.)

C. A. E. T. PALMER.

VELOCIPÈDE.

No. 367,115.

Patented July 26, 1887.

FIG. 1.

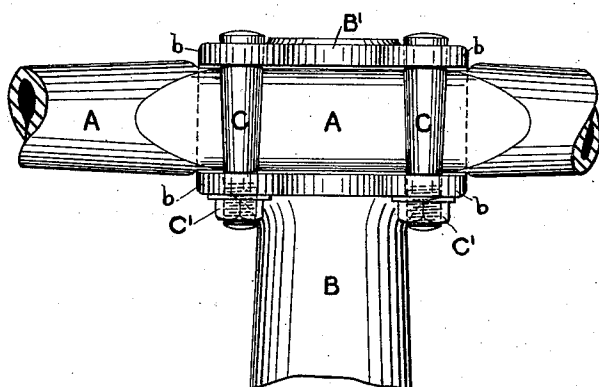


FIG. 2.

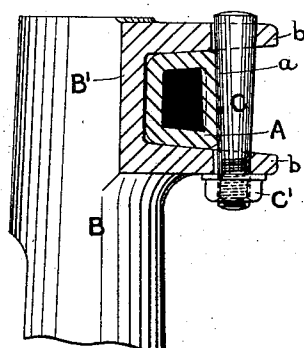


FIG. 3.

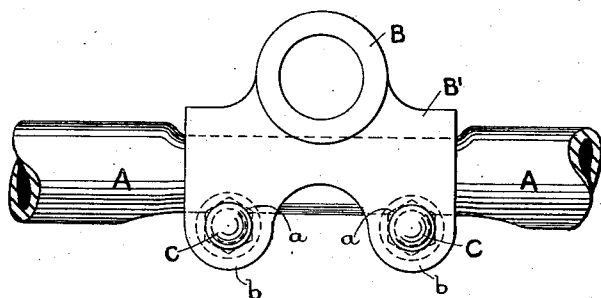
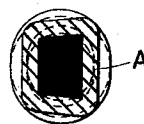


FIG. 4.



WITNESSES:

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By his Attorney,

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UNITED STATES PATENT OFFICE.

CHARLES ANDREW EDWARD TALBOT PALMER, OF BIRMINGHAM, COUNTY OF STAFFORD, ENGLAND, ASSIGNOR TO JOHN CORNFORTH, OF SAME PLACE.

VELOCIPEDÉ.

SPECIFICATION forming part of Letters Patent No. 367,115, dated July 26, 1887.

Application filed April 11, 1887. Serial No. 234,351. (No model.) Patented in England August 1, 1884, No. 10,840.

To all whom it may concern:

Be it known that I, CHARLES ANDREW EDWARD TALBOT PALMER, a subject of the Queen of Great Britain, residing at Birmingham, in the county of Stafford, England, have invented certain new and useful Improvements in Velocipedes, (for which I have received Letters Patent in Great Britain, No. 10,840, dated August 1, 1884,) of which the following is a full and complete specification.

My invention relates to a detachable handle-bar for velocipedes, whereby the bar may be readily and easily removed from the head or its equivalent for convenience in construction and in packing or stowing, and to enable the bar to be removed for alteration or repair in case of damage.

In the accompanying drawings Figure 1 is a front elevation, Fig. 2 a side elevation, partly in section, and Fig. 3 a plan, of a head of a bicycle, showing the method of carrying my invention into practical effect. Fig. 4 is a transverse section of the handle-bar at the center of its length.

Throughout the figures similar parts are marked with like letters of reference.

The handle-bar A is made out of one length of tube and the center part of it is flattened into a rectangular or approximately rectangular shape, tapering slightly one way in a transverse direction. On the top of the head B, or its equivalent, is formed a bracket, B', having a horizontal recess formed in its face. This recess is made slightly tapering to receive the rectangular part of the handle-bar A. On the front edge of the recess of the bracket B' are formed lugs *b b*, &c., through which taper stud-pins C C are passed after the handle-bar has been placed in the recess, and are provided with nuts C' C' to draw them up tight, thereby pressing against the flat side of the rectangular part of the bar, and so forcing it into the taper recess in the bracket of the head and thus securing it in position ready for use. The central position of the bar is determined either by forming shallow semicircular recesses *a a* in the front face of the rectangular portion of the bar A for the taper stud-pin C C to engage with, or by making the rectan-

gular part of the bar A to exactly fit between the edges of the bracket B'. The handle-bar on each side of the rectangular center portion is of a circular section, and is preferably tapered toward the handles, the bar being made either straight, curved, or cranked, as desired.

It will be understood that in those velocipedes in which the transverse handle-bar is not placed in juxtaposition to the head or its equivalent the bracket to carry the bar may be formed on or fixed to any convenient part of the frame connected either directly or indirectly with the head or its equivalent.

I am aware that a detachable handle-bar has already been made in which the center part is made solid and of a rectangular section, placed in a recess formed in a bracket on the head, and fixed thereto by screw-bolts passing through both the bracket and the handle-bar; but I consider this method imperfect and expensive, inasmuch as the handle-bar is weakened by the two holes passing through it, and in case the handle-bar is made hollow it necessitates making the bar in three pieces to obtain the solid center piece, while according to my invention the bar is made out of one length of tube without joints or brazing, which is flattened and shaped at the center, as hereinbefore described, and is fixed to the head by stud-pins which do not pass through it, thus making the bar light in weight, rigid and strong when fixed, and easily removable. I therefore do not broadly claim constructing a detachable handle-bar by fitting it in a recess in the head and fixing it thereto by stud-pins; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. In a velocipede, the combination of a detachable tubular handle-bar provided with a central tapering rectangular portion without any transverse perforations or bolt-holes through it, the head provided with a tapering socket fitting the said central portion of the bar, and the tapering pins for forcing the tapering portion of the handle-bar into the socket of the head, substantially as and for the purpose set forth.

2. In a velocipede, the combination of a de-

tachable tubular handle-bar provided with a
central tapering rectangular portion without
any transverse perforations or bolt-holes
through it, the head provided with a taper-
5 ing socket fitting the said central portion of
the bar, the shoulders for preventing the longi-
tudinal movement of the handle-bar, and the
tapering pins for forcing the tapering portion
of the handle-bar into the socket of the head,

substantially as and for the purpose set forth. 10

In witness whereof I have hereunto signed
my name in the presence of two subscribing
witnesses.

CHARLES ANDREW EDWARD TALBOT PALMER.

Witnesses:

THOS. PROVERBS,
R. T. JOHNSON.