

E. F. PAWSAT.
BICYCLE STAND.
APPLICATION FILED NOV. 3, 1913.

1,093,352.

Patented Apr. 14, 1914.

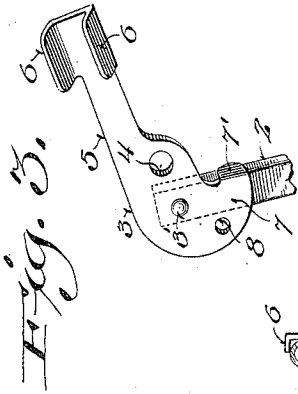


Fig. 2.

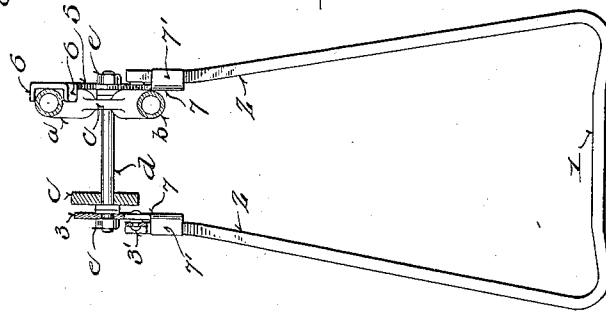
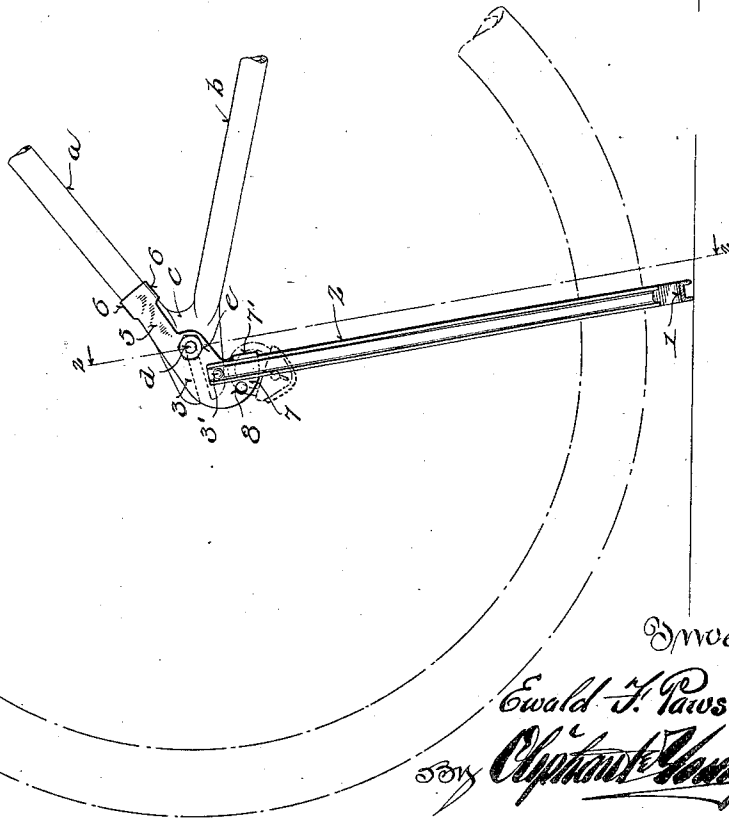


Fig. 1.



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UNITED STATES PATENT OFFICE.

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BICYCLE-STAND.

1,093,352.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EWALD F. PAWSAT, a citizen of the United States, and resident of Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Bicycle-Stands; and I do hereby declare that the following is a full, clear, and exact description thereof.

10 My invention has for its object a simple, effective and rigid stand for attachment to the rear fork of a bicycle or analogous vehicle frame, its construction and arrangement being such that the stand can be fitted and attached to any standard frame without cutting or otherwise marring the parts and hence does not require the skill of a mechanic.

20 The specific invention resides in the peculiarly constructed head or bracket, a pair of which heads are hingedly secured to legs of a bail, each head being provided with an axle aperture having one arm carrying gripping fingers and another arm carrying a stop-lug against which latter the legs impinge when the stand is swung to its working position for jacking up the rear end of the vehicle.

30 With the above objects in view the invention consists in certain peculiarities of construction and combination of parts as hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

35 In the drawings Figure 1 represents a side elevation of a stand embodying the features of my invention, the same being shown attached to the rear fork of a bicycle; Fig. 2, a cross-section of the same, the section being indicated by line 2—2 of Fig. 1, and Fig. 3, a detailed perspective view showing one of the brackets with the end of a stand leg attached thereto.

45 Referring by characters to the drawings, a supporting bail of standard type is provided, the same comprising a transversely arranged foot-bar 1 having legs 2 bent upwardly therefrom. The bail is preferably formed from a single channel-iron strip and the ends of the legs are each hinged to the body of a head 3 by a rivet 3', the rivet or pivot point being rearwardly disposed relative to an axle receiving aperture 4, which aperture is also stamped through the body portion of the head. Extending

forwardly from the body portion of the head and in approximate alinement with the pivot point and axle aperture is a fork-engaging arm 5 having inturned ears 6 at its end, which ears constitute gripping fingers that straddle the upper obliquely disposed rod *a* that forms one of the fork members. The horizontally disposed lower rod *b* of the rear fork member is connected to the upper rod *a* by the usual slotted axle-receiving web *c* through the opposite pairs of which webs there is fitted the rear wheel axle *d*, the same being confined by nuts *e*. The body of each head 3 is also provided with a leg-sustaining arm 7, which arm extends at approximately a right-angle to the fork-engaging arm 5 of said head. The end of the leg-sustaining arm 7 is formed with an out-turned ear 7' constituting a stop-lug for the bail-leg when said stand is swung to its working position, whereby the frame is jacked, it being understood that the foot portion 1 of the bail, when so positioned, is in advance of an imaginary vertical line intersecting the axis of the rear wheel. The heads are preferably stamped from flat metallic blanks whereby they are completed in two operations, the second of which upsets the several ears in their proper relative positions.

85 As indicated by dotted lines in Fig. 1, the arms 7 opposite their stop-lugs are provided with locking apertures 8 for the reception of the hasp member of a lock, which hasp member encircles the juxtaposed bail-leg and arm, being thereafter passed through the locking aperture and snapped to its seat within the locked case, as indicated by dotted lines. Thus a simple provision is made for locking the stand in its working position to prevent the vehicle from being misappropriated by a rider.

95 It is apparent from the foregoing that the stand can be quickly attached to the rear forks of a vehicle, either of the motorcycle or bicycle type, by first removing the axle nuts *e*. The heads 3 are then affixed to the webs *c* of the rear fork by inserting the axle apertures 4 over the axle ends and fitting the gripping fingers 6, 6, to the upper rod *a*. The nuts *e* are then affixed to the axle, whereby the heads are firmly clamped.

100 While I have shown and described the stop-lug 7 as being upset from an integral part of the bracket, it is apparent that a 110

pin in some instances, may be substituted for said stop-lug without departing from the spirit of my invention, a similar modification being applicable to the arrangement of ears 6, 6, which constitute the fork-gripping fingers.

I claim:

1. A stand for the purpose described comprising a pair of heads, each having a body portion provided with an axle aperture, a pair of arms extending approximately at a right-angle, a pair of gripping fingers projecting inwardly from one of the arms, a stop-lug projecting outwardly from the opposite arm, and a stand-bail having legs in pivotal union with the body portion of each head, the pivot-point of each leg being approximately alined with the axle aperture and arm of the head carrying the gripping fingers.

2. A head for stands of the described character comprising a flat body portion provided with an axle receiving aperture and a leg pivoting aperture, an arm extending from the body portion in approximate alinement with said apertures having side

ears bent inwardly from its end to form gripping fingers, and a second arm extending from said body portion at approximately a right-angle to the first mentioned arm, the same being provided with an outwardly extended ear constituting a stop-lug.

3. A head for stands of the described character comprising a flat body portion provided with an axle receiving aperture and a leg pivoting aperture, an arm extending from the body portion in approximate alinement with said apertures having transversely disposed gripping fingers extending from its end, and a second arm extending from said body portion at approximately a right-angle to the first mentioned arm, the same being provided with a stop-lug extending transversely from its end.

In testimony that I claim the foregoing I have hereunto set my hand at Sheboygan in the county of Sheboygan and State of Wisconsin in the presence of two witnesses.

EWALD F. PAWSAT.

Witnesses:

WM. H. GRUBE,
ARTHUR A. NACK.