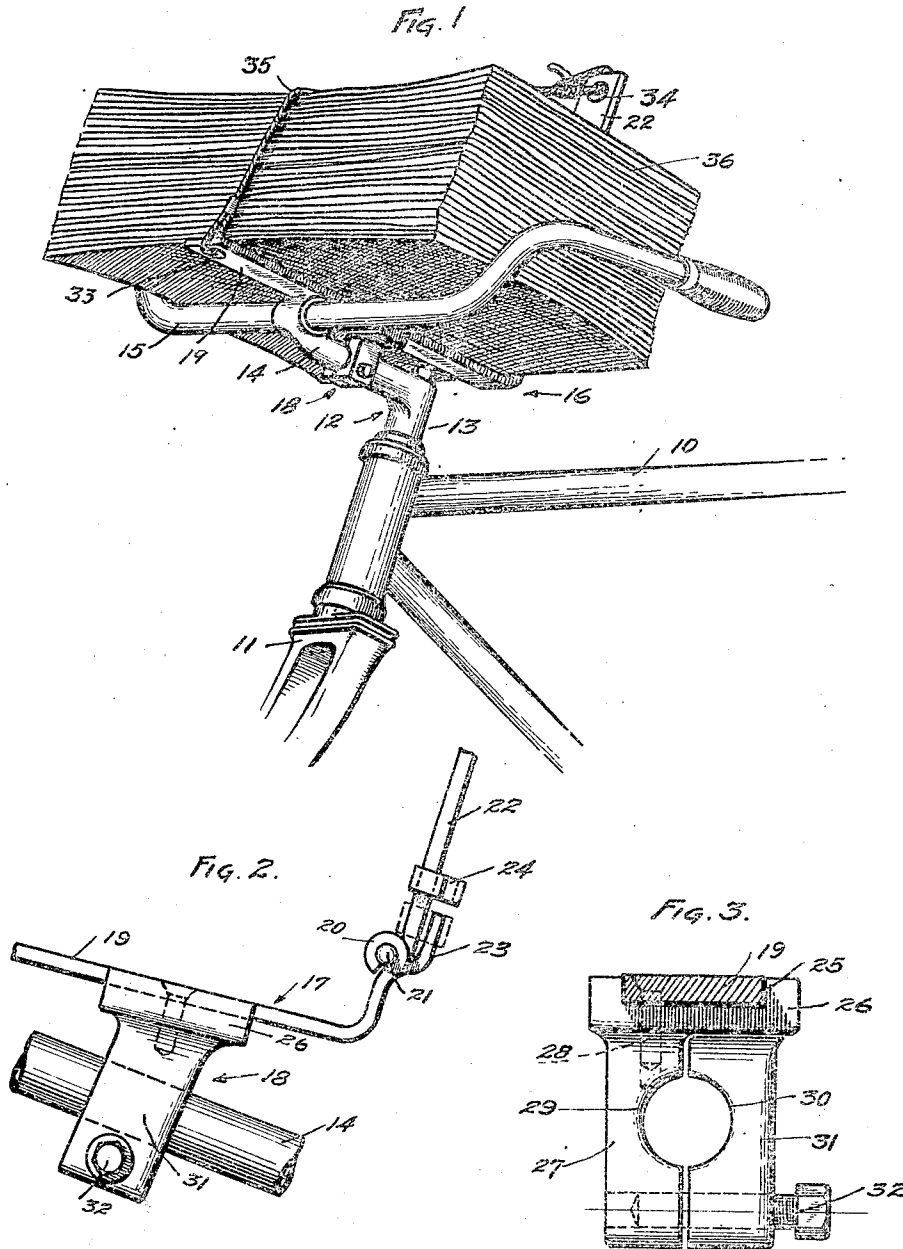


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PAPER RACK FOR BICYCLES.
APPLICATION FILED OCT. 11, 1917.

1,280,030.

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To all whom it may concern:

Be it known that I, ROY E. HILL, a citizen of the United States, residing at Pasadena, in the county of Los Angeles and State of California, have invented new and useful Improvements in Paper-Racks for Bicycles, of which the following is a specification.

This invention relates to a paper rack and particularly pertains to a rack by which newspapers may be supported upon the handle bars of a bicycle.

It is the principal object of this invention to provide a paper rack which may be mounted upon the handle bar shank of a bicycle and which will be supported in a manner to prevent its breakage under the weight imposed upon it.

Another object of this invention is to provide a paper rack which may be easily folded to assume an unobstructing position and which may be temporarily locked in its opened position when desired.

Other objects will appear hereinafter.

The invention is illustrated, by way of example, in the accompanying drawings in which:

Figure 1 is a view in perspective illustrating the rack as applied for use upon the handle bar shank of a bicycle.

Fig. 2 is a fragmentary view in side elevation illustrating the mounting provided the rack and also the hinge and its lock.

Fig. 3 is a view in section and end elevation illustrating the clamping member by which the rack is fastened to the shank of a pair of handle bars.

Referring more particularly to the drawings, 10 indicates the frame of a bicycle at the forward end of which is pivotally supported a front wheel fork 11. Mounted within the upper tubular end of this fork is an extension handle bar shank 12. This shank is of common construction, having a cylindrical vertical portion 13 and a forwardly extending portion 14 at the outer end of which a pair of handle bars 15 is mounted. It will be understood that all of these parts are of common construction and that the present invention is concerned with a paper rack 16.

The paper rack consists of an angular rack portion 17 and a mounting bracket 18. The angular portion is composed of a substantially rigid and horizontal supporting leg 19 which is up-turned at its rear end and is there formed with a hinge loop 20.

A hinge pin 21 extends through this loop and a complementary loop formed at the lower end of a vertically extending leg 22 which completes the rack portion. A tongue 23 is struck from the end of the bar 19 and extends upwardly in substantially parallel alinement with the up-turned portion of the bar. This tongue is adapted to limit the rearward movement of the rack leg 22 and to also be engaged by a slip-ring 24 which is mounted upon the rack leg 22 and may be slipped over the upwardly extending end of the tongue to temporarily hold this leg against forward swinging movement.

The leg 19 of the rack portion is positioned at a point mid-way its length within a channel 25 formed across a bracket pad 26. This pad is formed integral with a bracket jaw 27 adapted to extend around one side of the forwardly extending portion 14 of the handle bar shank. A countersunk screw 28 securely holds the rack upon the pad. Formed in the side of the pad is a semi-circular opening 29 within which the shank 14 is seated and which is opposed by a similar semi-circular opening 30 formed along the side of a clamping jaw 31 adapted to rest upon the opposite side of the shank portion 14. A machine screw 32 is provided to extend through an opening in the lower end of the jaw 31 and engage the threads of an opening in the lower end of the jaw 27 to securely hold the bracket upon the shank portion. It will be understood that the pad 26 is of proper dimension to adequately support the rack leg 19 and prevent it from breaking adjacent the screw 28.

In operation, the jaws 27 and 31 are separated and disposed along opposite sides of the shank portion 14 of the handle bar mounting. This will cause the leg 19 of the rack to extend substantially parallel to the shank portion 14 and thereabove. The leg 22 of the rack may then be swung upwardly, after which the ring 24 is slipped down over the projecting end of the tongue 23 to hold the leg portions rigidly and at right angles to each other. Perforations 33 and 34 are formed through the extreme ends of the legs to receive a cord or strap by which a bundle of papers 36 is held in position. When not in use, the slip ring may be moved upwardly to permit the leg portion 22 to fold down upon the portion 19 and allow the handle bars to be conveniently operated.

It will thus be seen that the rack here disclosed is simple in its construction, may be conveniently mounted upon the shank of bicycle bars, and may be easily locked in an
5 extended position or collapsed when desired.

While I have shown the preferred construction of my paper rack for bicycles as now known to me, it will be understood that
10 various changes in the combination, construction and arrangement of parts may be made by those skilled in the art without departing from the spirit of my invention as claimed.

15 I claim:

A paper rack comprising the combination with a handle bar shank having a vertical cylindrical portion and a forwardly extending portion at the upper end of the vertical
20 portion, of a mounting bracket comprising a pad, a bracket jaw extending downwardly from the pad and forming a half bearing fitting the forwardly extending portion of the shank, a clamping jaw forming a half
25 bearing fitting the other side of the forwardly

wardly extending portion of the shank, and a cap screw inserted through the clamping jaw and tapped into the bracket jaw to clamp the bracket upon the forwardly extending portion of the shank; an angular
30 rack bar recessed into the upper face of the pad parallel with the forwardly extending portion of the shank and rigidly fixed; said rack bar extending forwardly beyond the end of the forwardly extending portion of
35 the shank and backwardly beyond the rear end of the shank and the rear end of the rack bar being turned upwardly; a vertically extending leg hinged to the upturned rear end of the rack bar, a tongue
40 extending upwardly from the upturned rear end of the rack bar behind the leg to limit the swing of the leg backwardly beyond a vertical position, and a slip ring upon the
45 leg and adapted to slip over the tongue to make a stiff joint.

In testimony whereof I have signed my name to this specification.

ROY E. HILL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."