Jan. 12, 1943. H. E. KALTER 2,308,083

CLAMP FOR SADDLES

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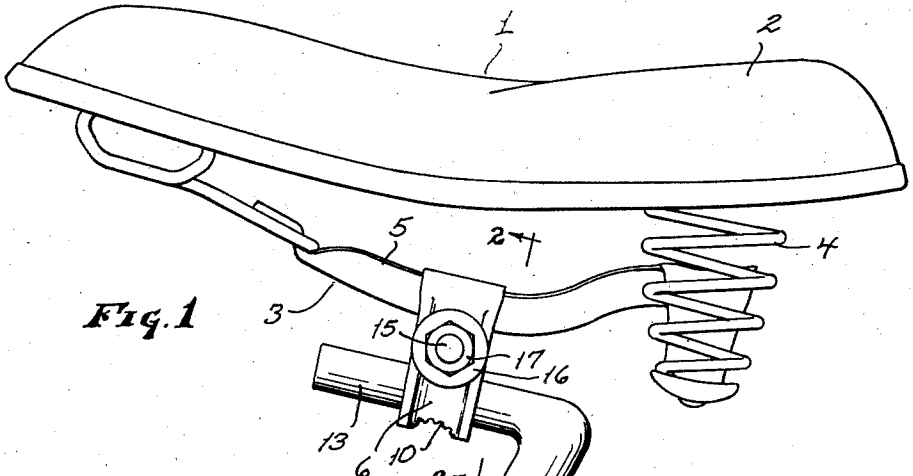


Fig. 1

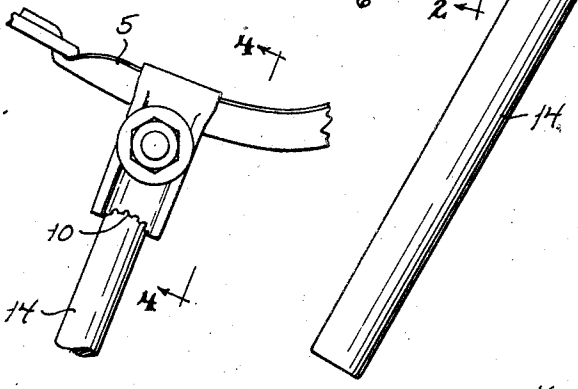


Fig. 3

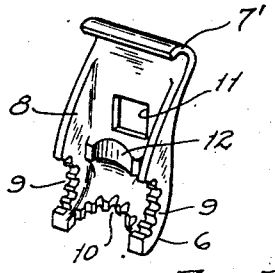


Fig. 5

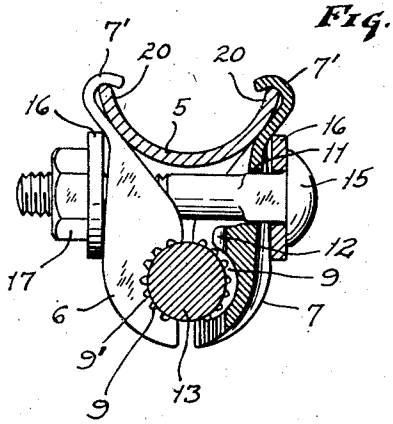


Fig. 2

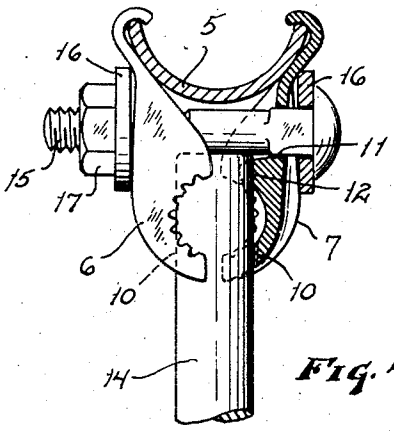


Fig. 4

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CLAMP FOR SADDLES

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4 Claims. (Cl. 287—54)

My invention relates to an improved clamp for saddles, said clamp being adapted to clamp the reach assembly to the saddle post and to be used whether said post be a vertically or longitudinally extending post.

It is an object of my invention therefore to provide an improved cycle clamp, which will be adaptable for use with either a vertically extending or a longitudinally extending saddle post.

Another object of my invention is to provide a saddle clamp which will be inexpensive in manufacture, composed of but relatively few parts, easily assembled and highly efficient in use.

Other objects of my invention and the invention itself will be readily understood by referring to the following description of an embodiment of my invention, and in which description reference is had to the accompanying drawing of the said embodiment.

Referring to the drawing:

Fig. 1 is a side elevational view of a saddle employing the improved saddle clamp of my invention in connection with a post having an upper longitudinally extending portion;

Fig. 2 is an end view of that portion indicated by the lines 2—2 of Fig. 1, said view being partially broken away to show the disposition of the several parts;

Fig. 3 is a view similar to Fig. 1, but fragmentary in character, showing the improved saddle clamp of my invention secured to a post of the vertically extending type.

Fig. 4 is an end view of that portion indicated by the lines 4—4 in Fig. 3; and

Fig. 5 is a perspective view of one of the separable parts of the improved clamp of my invention.

Referring now to the drawing in all of which like parts are designated by like reference characters, at 1 I show a cycle saddle 2 of the conventional type secured in the usual manner to a reach assembly 3 and rear compression springs 4.

The particular reach assembly shown comprises a channel shaped main reach member 5 with which the improved saddle clamp of my invention is adapted to be associated. The clamp of my invention, as shown in Figs. 2 and 5, is composed of a pair of similarly formed sheet metal clamp members 6 and 7 which are, as best illustrated in Fig. 5, of generally E-shaped formation, as viewed in side elevation, each having a narrow upwardly disposed inwardly curved hook portion 7', an intermediate inwardly inclined relatively wide portion 8, a serrated arcuately formed lower portion 9 provided with serrations or biting edges 9' on its inner side face, and an arcuately shaped serrated lower web portion 10, the intermediate web portion being provided with a substantially square aperture 11 and an inwardly extending substantially U-shaped lug 12.

A pair of these clamp members 6 and 7, as shown in Fig. 2, is adapted to be secured to a longitudinally extending portion of a post, such as the terminus portion 13 of the saddle post 14, by suspending the hook portions 7' and 7' of each clamp member over the opposite upwardly extending flanges 20—20 of the main reach member 5 whereby the serrated lower side portions 9 of the clamp members 6 and 7 are adapted to embrace the cylindrical surfaces of the end portion 13 of said post.

A bolt 15 and washers 16 secure the clamp members 6 and 7 to the longitudinally extending end portion of the post, the bolt 15 drawing the arcuate portions 9 close together, the serrated surfaces thereof making biting contact with the post whereby upon rigidly securing the nut 17 on the screw threaded end of the bolt the improved saddle clamp of my invention is adapted to have locking contact with said post and with said reach member.

When the improved saddle clamp of my invention is used with a vertically extending post, such as that shown in Figs. 3 and 4, the serrated portions 10 of the clamp members 6 and 7 cooperate to embrace the lateral sides of said post, and the indentures or teeth on the lower portion of the web of each clamp member is adapted to have biting contact with the cylindrical lateral walls of the upper portion of said post, the saddle clamp members being assembled in a manner similar to that described in the form shown in the description of Figs. 1 and 2.

It will thus be seen that the improved saddle clamp of my invention is adapted equally for use for a saddle post of the type where the portion of the post adapted to be secured to the saddle assembly extends substantially parallel or at right angles thereto. Hence, said clamp is susceptible to use not only on different size posts because of its separable clamp members 6 and 7, but also on differently formed posts. Also, in tilting the saddle to a preferred angle, said clamp member is adjustable with either type post.

Although I have shown and described preferred forms of my invention, I contemplate that numerous and extensive departures may be made therefrom without departing from the spirit of

my invention or the scope of the appended claims.

Having described my invention what I claim is:

1. In a cycle saddle clamp of the class described, a sheet metal stamping comprising a web portion, depending side flanges, said web terminating at its upper end in an upper hook portion, said web terminating at the lower end in an arcuately shaped lower portion and said side flanges being each provided with an arcuately shaped lower portion.

2. In a cycle saddle clamp of the class described, a pair of sheet metal stampings each comprising a depending web portion, depending side flanges, said side flanges each terminating at their upper ends in an upper hook portion, said web being provided with an arcuately shaped lower portion and said side flanges being each provided with an arcuately shaped lower portion whereby said arcuately shaped lower portions of said side flanges are adapted to embrace the longitudinally extending cycle saddle post.

3. In a cycle saddle clamp of the class described adapted for use with a longitudinally extending cycle saddle post for a cycle saddle, a pair of sheet metal stampings each comprising a generally U-shaped member having an upwardly disposed inwardly curved hook portion, a depending web portion, depending side flanges, said web portion having an arcuately shaped lower end portion, and each of said side flanges being provided with an arcuately shaped lower portion, said arcuately shaped portions each being provided with serrations, said U-shaped members adapted to be secured to opposite sides of a reach assembly for said cycle saddle and adapted to have the depending arcuately formed lower portions of said side flanges embrace opposite sides of a longitudinally extending cycle saddle post whereby said clamp may be secured to said post and have biting contact therewith to ensure locking engagement with said post.

4. In a cycle saddle clamp of the class described, a pair of sheet metal stampings each comprising a web portion, depending side flanges, each of said flanges being provided with an arcuate end portion, said arcuate end portion being provided with serrations adapted to engage a horizontally extending saddle post adapted to be projected therethrough to secure said stampings to said cycle reach assembly, said web portions being each further provided with an arcuately shaped lower terminus whereby said arcuately shaped termini are adapted to optionally embrace a vertically extending cycle saddle post.

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