

F. L. SESSIONS.
 STRAP HANGER FOR VEHICLES.
 APPLICATION FILED DEC. 11, 1912.

1,058,201.

Patented Apr. 8, 1913

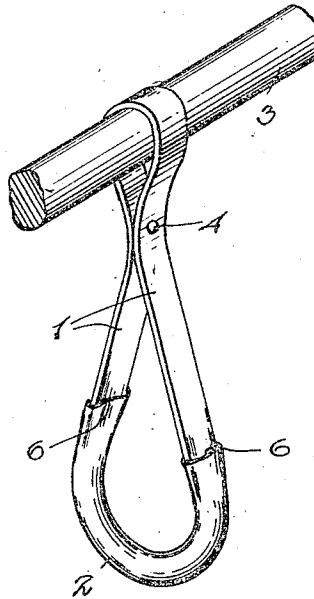
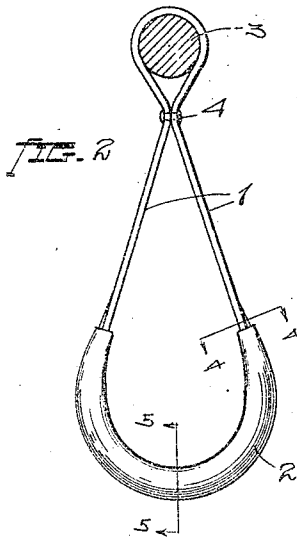


FIG. 1



WITNESSES=
 Oliver M. Kappeler
 Robert M. See

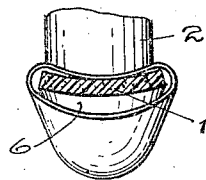


FIG. 4

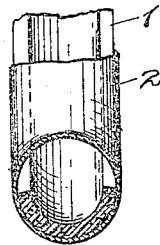


FIG. 5

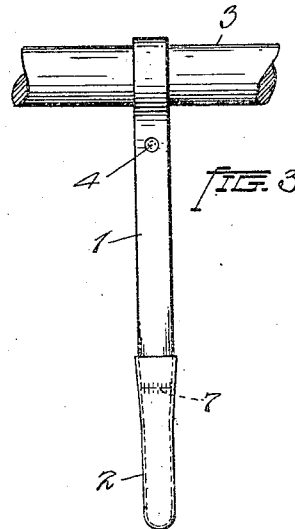


FIG. 3

INVENTOR
 Frank L. Sessions
 BY Jay and Oberlin
 ATTORNEYS-

UNITED STATES PATENT OFFICE.

FRANK L. SESSIONS, OF LAKEWOOD, OHIO, ASSIGNOR TO THE STANDARD WELDING COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

STRAP-HANGER FOR VEHICLES.

1,058,201.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Application filed December 11, 1912. Serial No. 736,124.

To all whom it may concern:

Be it known that I, FRANK L. SESSIONS, a citizen of the United States, and a resident of Lakewood, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Strap-Hangers for Vehicles, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

In connection with strap hangers such as are familiarly in use for the accommodation of passengers who are required to stand in street cars, omnibuses and the like, it is a well known fact that the straps quickly become soiled and thereupon unsanitary, quite apart from other considerations of discomfort that are involved in their use, rendering them more than a necessary evil. It has, accordingly, been attempted to provide hangers with metal handles of various forms which do not become so readily soiled, and are otherwise superior to the simple straps. Most of these, however, are more or less complicated and expensive in their construction, or for other reasons unsuitable for practical use.

The object of the present invention, accordingly, is the provision of a strap with a metal handle which may be inexpensively manufactured, but which will nevertheless be entirely satisfactory in use and possess the advantage of a metal handle or grip which may be enameled and thus kept clean and sanitary.

To the accomplishment of these and related objects the invention, then, consists of the means hereinafter fully described and particularly pointed out in the claims.

The annexed drawing and the following description set forth in detail certain mechanism embodying the invention, such disclosed means constituting, however, but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawing:—Figure 1 is a perspective view of a hanger of my improved construction; Figs. 2 and 3, are respectively a side and a front elevation of the same; Fig. 4 is a cross section of the handle

of such hanger taken on the line 4—4, Fig. 2; and Fig. 5 is a similar cross section, but taken on the line 5—5 Fig. 2.

The hanger, in the simple form illustrated, comprises essentially but two elements, viz. a looped strap 1 of flat cross section very similar to the strap that is ordinarily found in use at the present time; and a handle 2. The upper end of the loop of the strap is designed to be passed around a rod 3 or equivalent support, and preferably a rivet 4 or buckle is provided to hold the opposite portions of the loop together at a point just below such rod, thus more effectively securing the strap thereto. The main portion of the looped strap will then depend downwardly and on this portion is secured the aforesaid handle or grip 2 which forms the item of present interest. This handle or grip is of general tubular form, being bent substantially into semi-circular shape and is made of metal, preferably enameled, or painted, so as to present a smooth surface that may be readily kept clean. The cross-section of the major portion of said tubular handle is substantially circular, as shown in Fig. 5, and is of a diameter less than the width of the strap which is designed to be passed therethrough. The respective ends of the handle, however, are flattened to present openings 6 of the width of such strap, these flattened ends being slightly curved on their inner sides, as shown in Fig. 2, so that the ends of the strap when introduced in the aforesaid openings will be folded slightly along a central longitudinal line and thus more readily enter into and pass through the portion of the handle having a circular cross section. In such portion, however, the strap will naturally, by reason of its tendency to resume its original flat form, bear frictionally against the inner walls of the handle, and in this way the latter will be held at whatever point along the strap it may be left.

In the construction and assembling of my improved strap hanger, the strap will be thus passed through the handle before the upper end of the loop is riveted, as shown in Fig. 1, and after one end has been passed through the handle it will be sewed or otherwise attached to the other end, at 7, Fig. 3,

preferably with edges abutting, and the junction point drawn back again onto the handle so as to be hidden from view.

By reason of the relation of the width of the strap to the diameter of the tubular handle, it is possible to secure the handle in its desired permanent place on the strap without the use of rivets, or any form of retaining device, which not only would add to the expense of manufacture, but also be undesirable, because after the handle is once enameled any mechanical operation performed thereon will almost certainly crack or otherwise mar the handle, thus rendering it unsuitable for the purpose for which it is designed. The handle, furthermore, is at the same time given the desirable circular cross-section in the portion that requires to be grasped by the hand of the user.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the mechanism herein disclosed, provided the means stated by any of the following claims or the equivalent of such stated means be employed.

I therefore particularly point out and distinctly claim as my invention:—

1. In a device of the character described, the combination with a flat strap, of a tubular handle fitted over said strap, the diame-

ter of said handle being less than the width of said strap, whereby the latter is doubled longitudinally to frictionally hold said handle in place.

2. In a device of the character described, the combination with a flat strap in the form of a loop, of a curved tubular handle fitted over said strap, the diameter of said handle being less than the width of said strap, whereby the latter is doubled longitudinally to frictionally hold said handle in place.

3. In a device of the character described, the combination with a flat strap in the form of a loop, of a curved tubular handle fitted over said strap, the body of said handle being of substantially circular cross-section and its ends being flattened, the width of such flattened ends being substantially equal to that of said strap and the diameter of the body of said handle being less than the width of said strap, whereby the latter is doubled longitudinally to frictionally hold said handle in place.

Signed by me, this 10th day of December, 1912.

FRANK L. SESSIONS.

Attested by—

D. T. DAVIES,
JNO. F. OBERLIN.