July 28, 1925. 1,547,547

A. ZADEK

CARRIAGE CLAMP

Filed Dec. 17, 1924

Fig. 1.

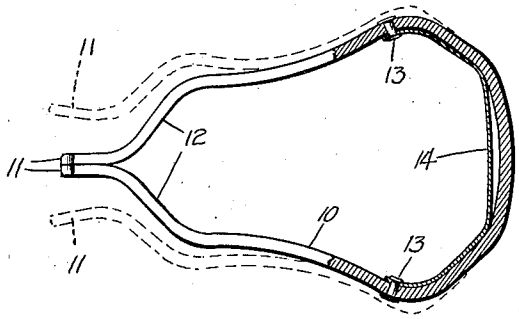
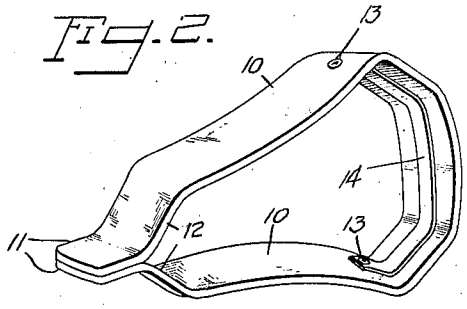


Fig. 2.



Arthur Zadek
Inventor

By his Attorney

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UNITED STATES PATENT OFFICE.

ARTHUR ZADEK, OF NEW YORK, N. Y.

CARRIAGE CLAMP.

Application filed December 17, 1924. Serial No. 756,423.

To all whom it may concern:

Be it known that I, ARTHUR ZADEK, a citizen of the United States of America, residing at New York city, county and State of New York, have invented new and useful Improvements in Carriage Clamps, of which the following is a specification.

My invention relates to carriage clamps and specifically to that type which has a resilient reinforcing member as a part thereof.

It is well known to provide clamps of this character, for use in connection with baby carriages and the like, for clamping bed clothes to a base or mattress; and whereas originally such clamps were constructed of celluloid alone or a similar material having a natural resilience, it has been found that reinforcing them with spring metal or by similar means has added greatly to their strength and usefulness. Heretofore such constructions have been either too complex or for other reasons difficult and expensive to manufacture, or they have had evident and patent disadvantages which impair their utility. Thus, resilient reinforcing means have consisted of a strip of spring metal entirely encased within a covering of celluloid, or of a coil spring disposed between the opposite sides of the clamp. In the former case, great manufacturing difficulties have rendered such a construction prohibitively expensive, and in the latter case the coil spring is an obstruction which limits the reach of the clamp jaws when in use, and necessitates leaving the rear portion of the clamp projecting outwardly from the clamped material.

It is the object of this invention to provide a clamp of this character which is inexpensive to manufacture, yet durable and serviceable, and presenting a neat and attractive appearance, without the other disadvantages of the clamps heretofore made.

The features of one embodiment of my invention are described hereinbelow, set forth in the appended claims, and illustratively exemplified in the accompanying drawings in which

Fig. 1 is an elevation of my clamp, partly in section, showing in dotted lines the position assumed when in use; and

Fig. 2 is a perspective view thereof.

Referring to the drawings, 10 is the clamp proper, made preferably of celluloid or similar resilient and non-metallic substance. It consists of a continuous substantially pear shaped strip, its ends 11 being shaped to constitute normally abutting jaws. Adjacent the jaws the strip flares outwardly as shown at 12, and then resumes its more gradual widening. Adjacent its widest portion rivet holes are provided to receive rivets 13 which carry a relatively narrow strip of spring steel 14 lying along the inside surface of strip 10. The strip 14 serves very effectively to reinforce the strip 10 and to add to its resilience. At the same time only a relatively narrow and short piece is used and it is a comparatively simple matter to attach this reinforcement. Furthermore, as it lies substantially alongside of the strip 10 throughout its extent, it does not constitute an obstruction in the way of any material being clamped. That is, the clamp may be applied so that the only limit to the reach of the jaws 11 is the axial length of the clamp.

What I claim is:—

1. In a carriage clamp of the character described the combination with a main strip of resilient non-metallic material, of a reinforcing strip of flat-spring metal carried by said main strip and conforming to the inside surface thereof.

2. A carriage clamp of the character described, comprising a main substantially pear shaped strip of resilient non-metallic material, and a relatively narrow reinforcing strip of flat spring metal carried thereby and conforming to the inside surface of the wide end thereof.

In testimony whereof I affix my signature.

ARTHUR ZADEK.