

No. 711,087.

Patented Oct. 14, 1902.

E. WEAVER.
SINGLETREE CLIP.

(Application filed Oct. 7, 1901.)

(No Model.)

Fig. 1.

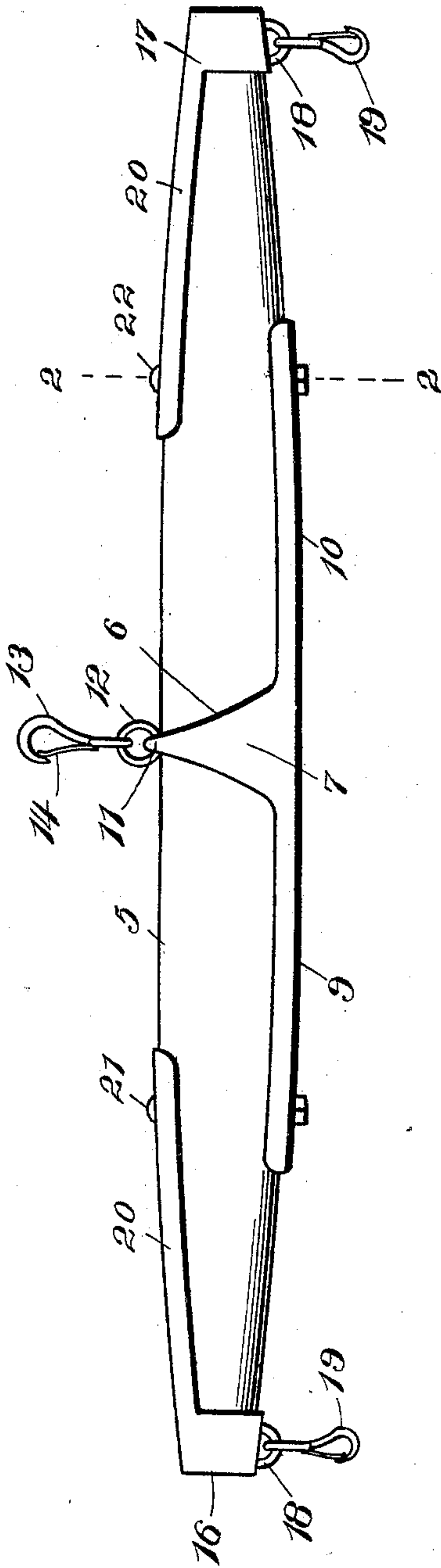
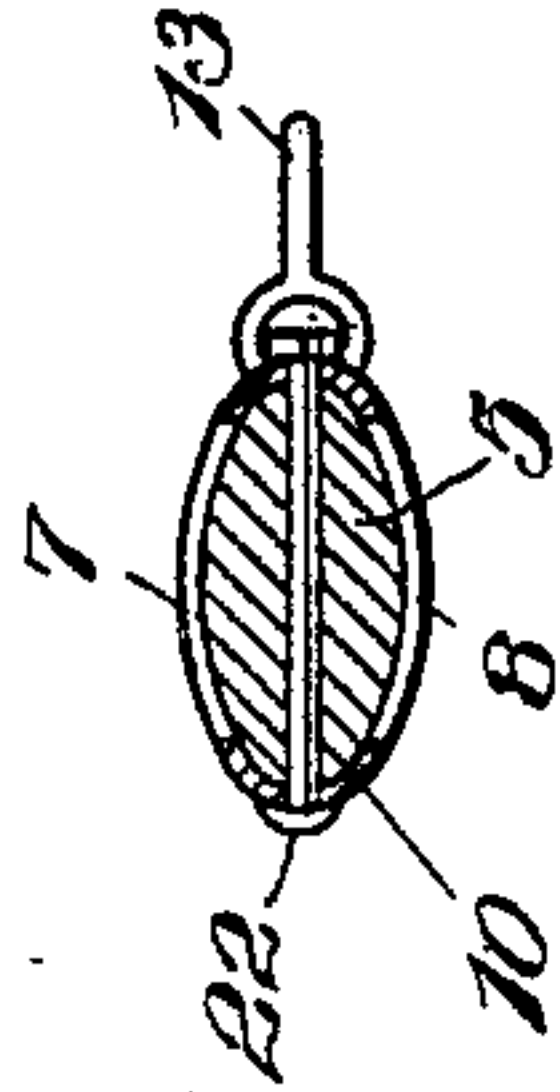


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

EVERETT WEAVER, OF HARRISBURG, ILLINOIS.

SINGLETREE-CLIP.

SPECIFICATION forming part of Letters Patent No. 711,087, dated October 14, 1902.

Application filed October 7, 1901. Serial No. 77,913. (No model.)

To all whom it may concern:

Be it known that I, EVERETT WEAVER, a citizen of the United States, residing at Harrisburg, in the county of Saline, State of Illinois, have invented certain new and useful Improvements in Singletree-Clips; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to singletrees in general, and more particularly to the clips, the object of the invention being to provide, in combination with a singletree, clips which will be simple and durable in construction and from which the chains will not become unhitched.

A further object of the invention is to provide a construction in which a lap-ring will be a permanent fixture and which does not necessitate the removal of a clevis, other objects and advantages of the invention being understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in both views, Figure 1 is a top plan view showing a singletree equipped in accordance with the present invention. Fig. 2 is a transverse section on line 2-2 of Fig. 1 and showing the common bolt for holding oppositely-disposed plates to the singletree.

Referring now to the drawings, there is shown a singletree 5, which is tapered from the center in the direction of both ends and at the center of which is disposed a clip 6, comprising the two arms 7 and 8, which lie against the upper and lower faces of the singletree, respectively, and which have a connecting-web, as shown, lying against the front edge or face of the singletree. From the side edges of the web extend the wings 9 and 10, which lie against and are formed to fit snugly against the front rounded edge of the singletree, the wings extending somewhat more than half-way between the center and ends of the singletree. The ends of the arms 7 and 8 opposite to the web referred to are connected by the rounded portion 11, with which is engaged a ring 12, with which is engaged the lap-ring 13, having a spring-keeper 14 extending from the stem to the end of the bill thereof to act as a guard to prevent accidental disengagement of the ring.

At the ends of the singletree are engaged the thimbles or clips 16 and 17, each of which has a forwardly-directed ring or hook 18, in which is engaged a snap-hook 19 for engagement with the rear ends of the chain traces. Each of the thimbles or clips 16 and 17 has a wing 20, which is disposed against the rear face or edge of the singletree and is fitted thereto, the ends of these wings overlapping the ends of the wings of the central clip, and through these overlapping ends are passed the bolts 21 and 22, which act to hold all three clips to the singletree, while the wings strengthen the structure. With this construction it will be seen that the clips cannot be displaced from the singletree, there is nothing for the reins to hook into, and the entire device is simple, cheap, and efficient.

In practice modifications of the specific construction shown may be made, and any suitable materials and proportions may be used for the several parts without departing from the spirit of the invention.

What is claimed is—

1. The combination with a singletree of a center clip disposed to encircle the singletree and having laterally-extending wings fitted against the front face of the singletree, end clips disposed upon the ends of the singletree and each having a laterally-directed wing fitted against the rear face of the singletree, the wings of the central clip overlapping the wings of the end clips, and securing devices passed through the singletree and the overlapping portions of the wings.

2. The combination with a singletree of a clip disposed to encircle the central portion thereof and having laterally-directed wings fitted against the front face of the singletree, a lap-ring connected with the rear portion of the clip, clips disposed upon the ends of the singletree and having each a laterally-directed wing fitted against the rear face of the singletree and overlapping the corresponding end of the wings of the central clip, bolts passed through the singletree and the overlapping portions of the wings, and snap-hooks attached to the end clips.

In testimony whereof I affix my signature in presence of two witnesses.

EVERETT WEAVER.

Witnesses:

ROBERT YORK,
BOB PEARCE.