

E. H. GULLIOM.
METALLIC LOOP FOR HAME TUGS.
APPLICATION FILED JUNE 6, 1908.

925,898.

Patented June 22, 1909.

2 SHEETS—SHEET 1.

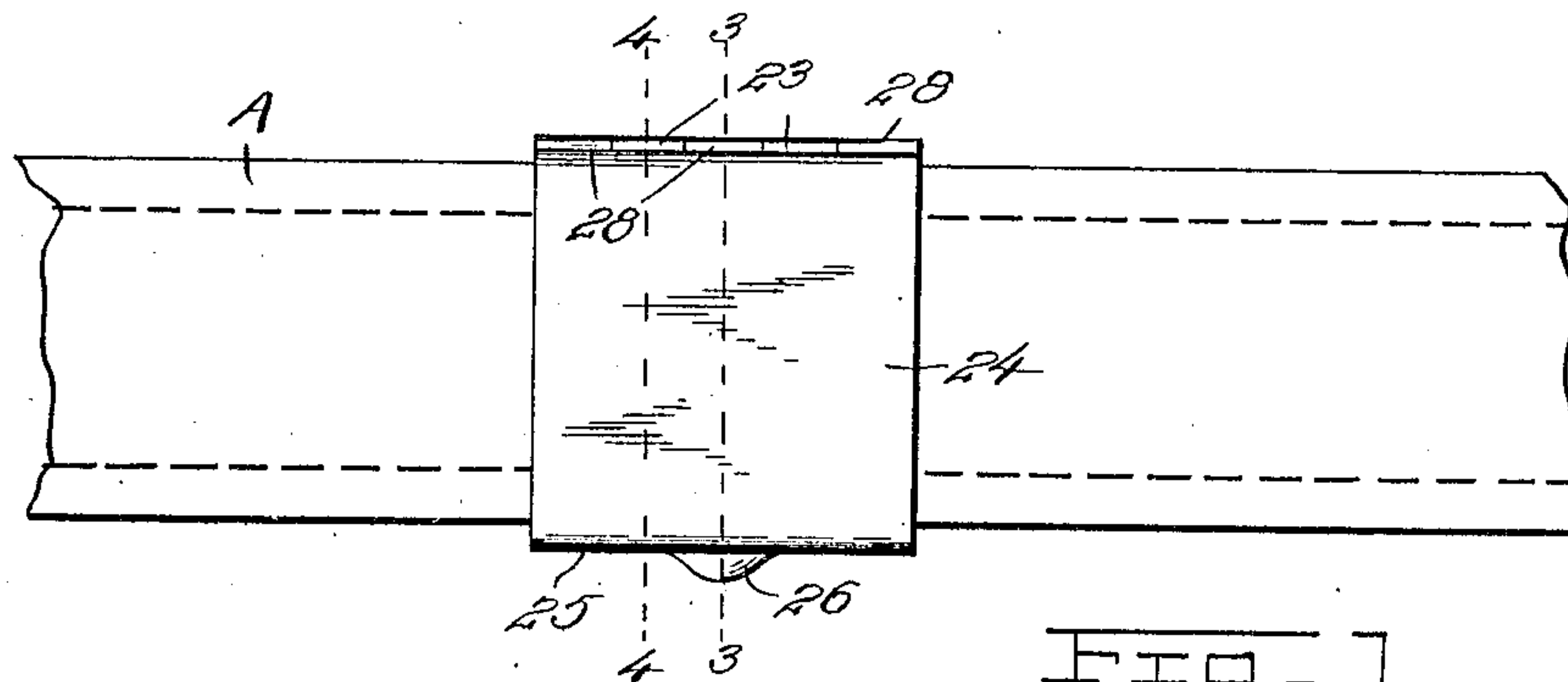


Fig. 1.

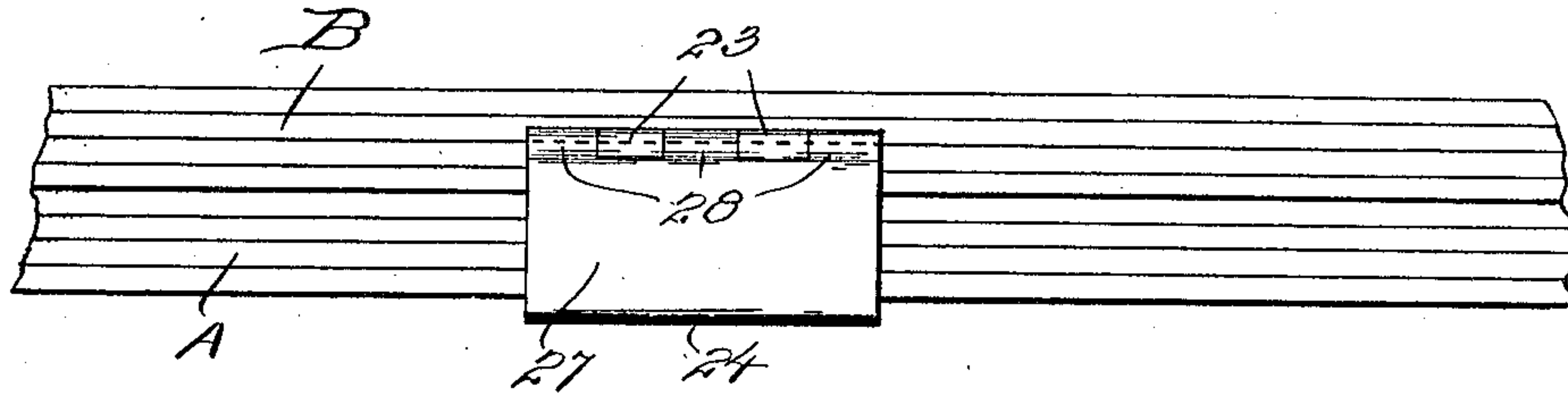


Fig. 2.

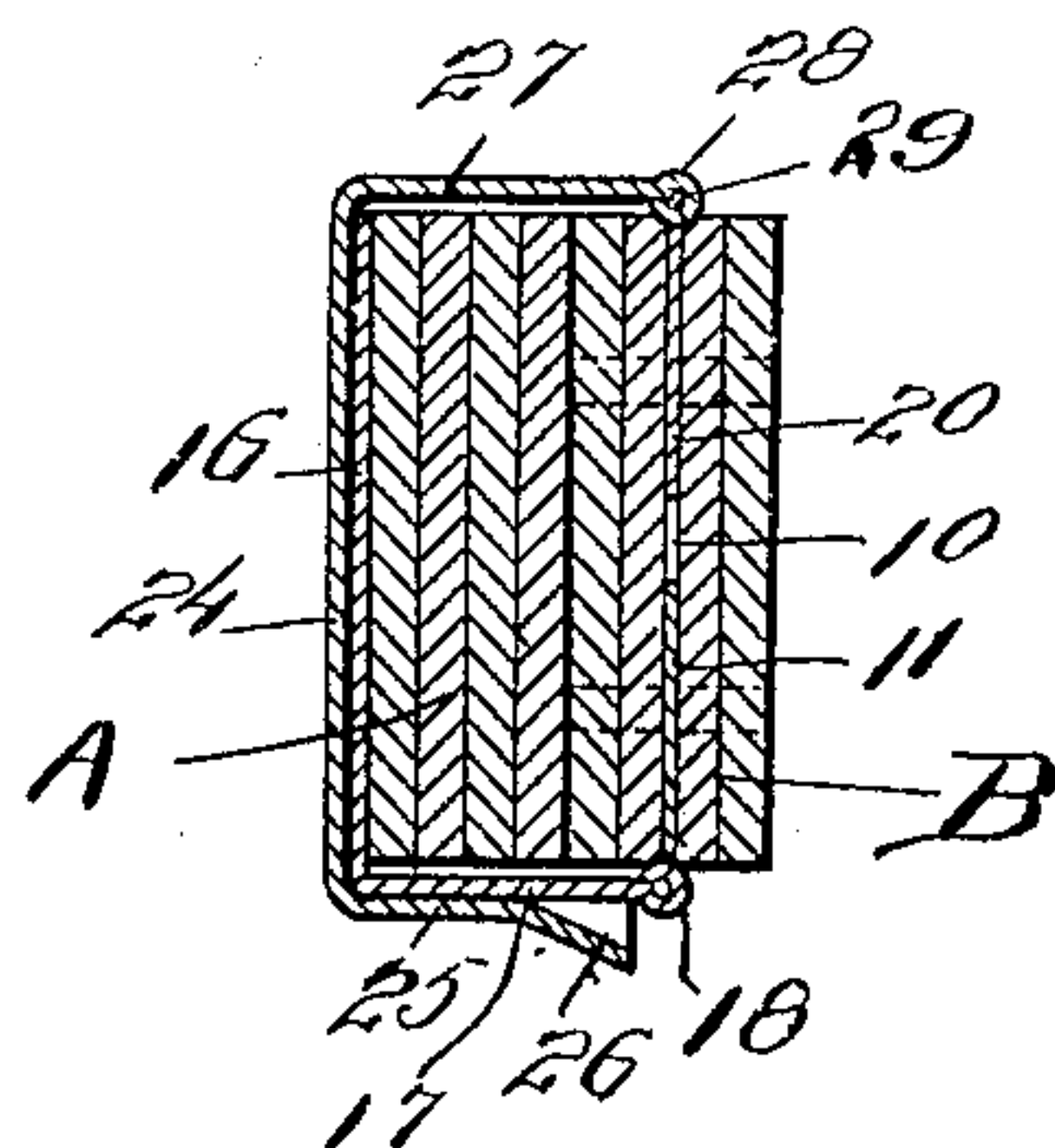


Fig. 3.

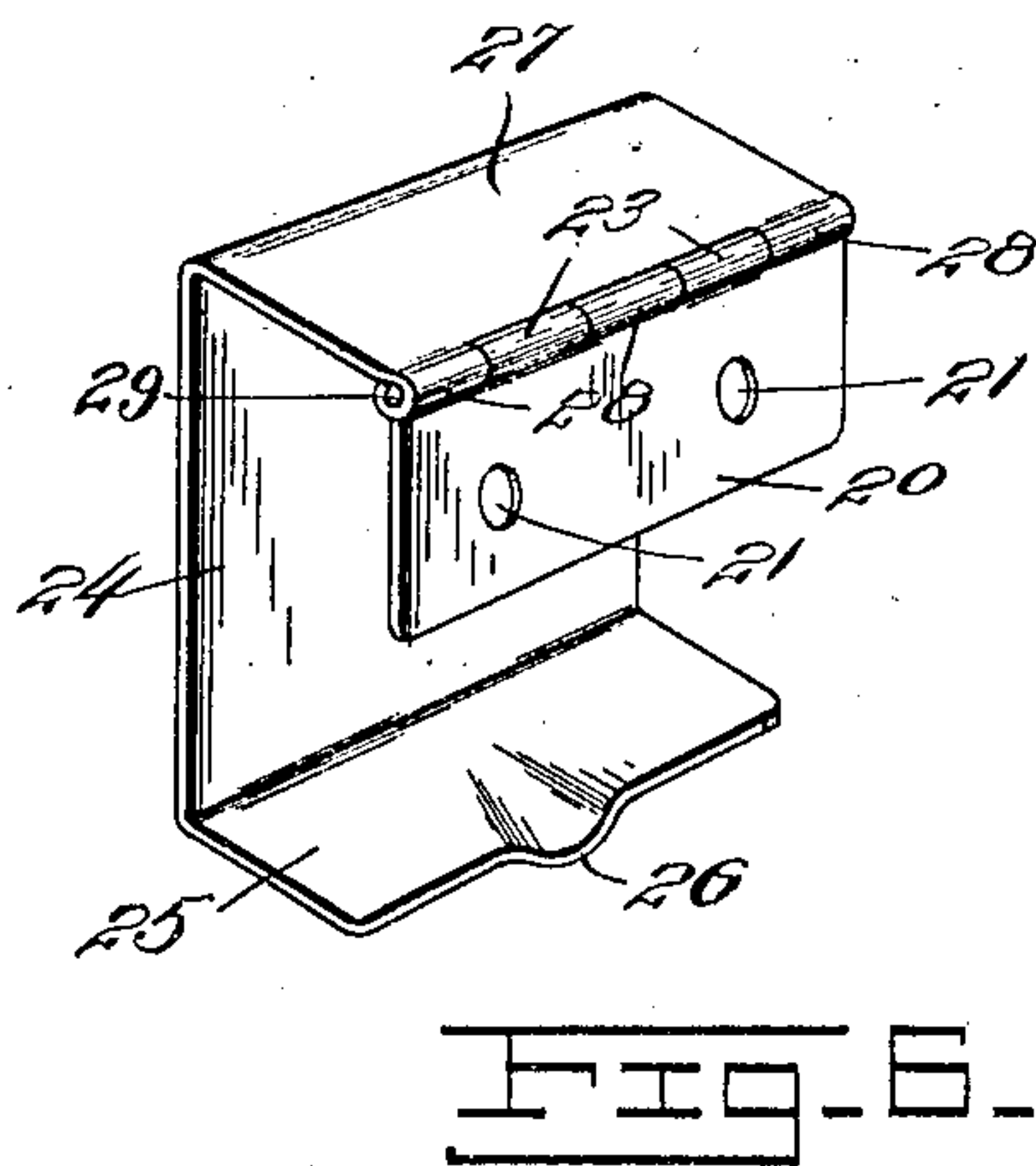
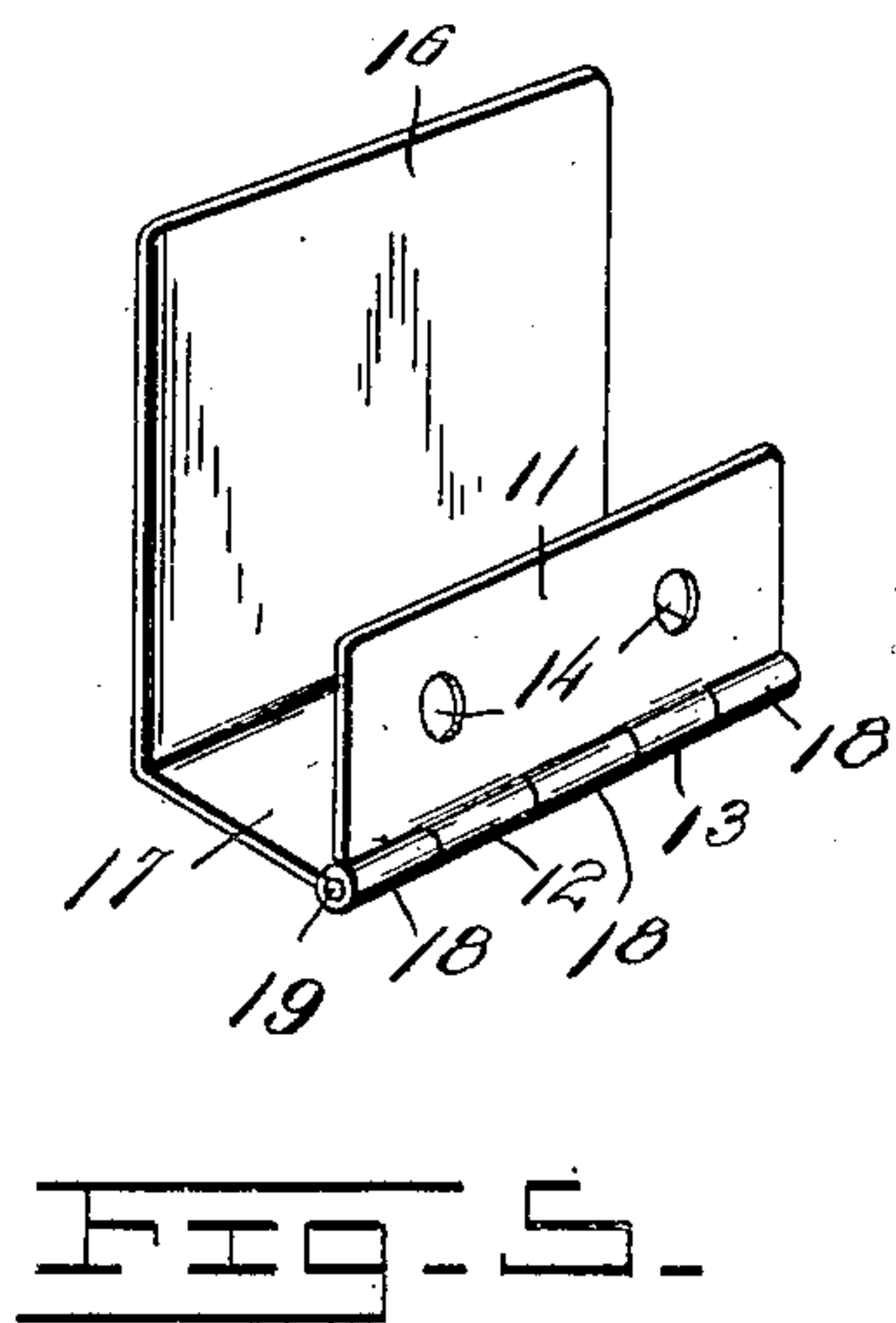
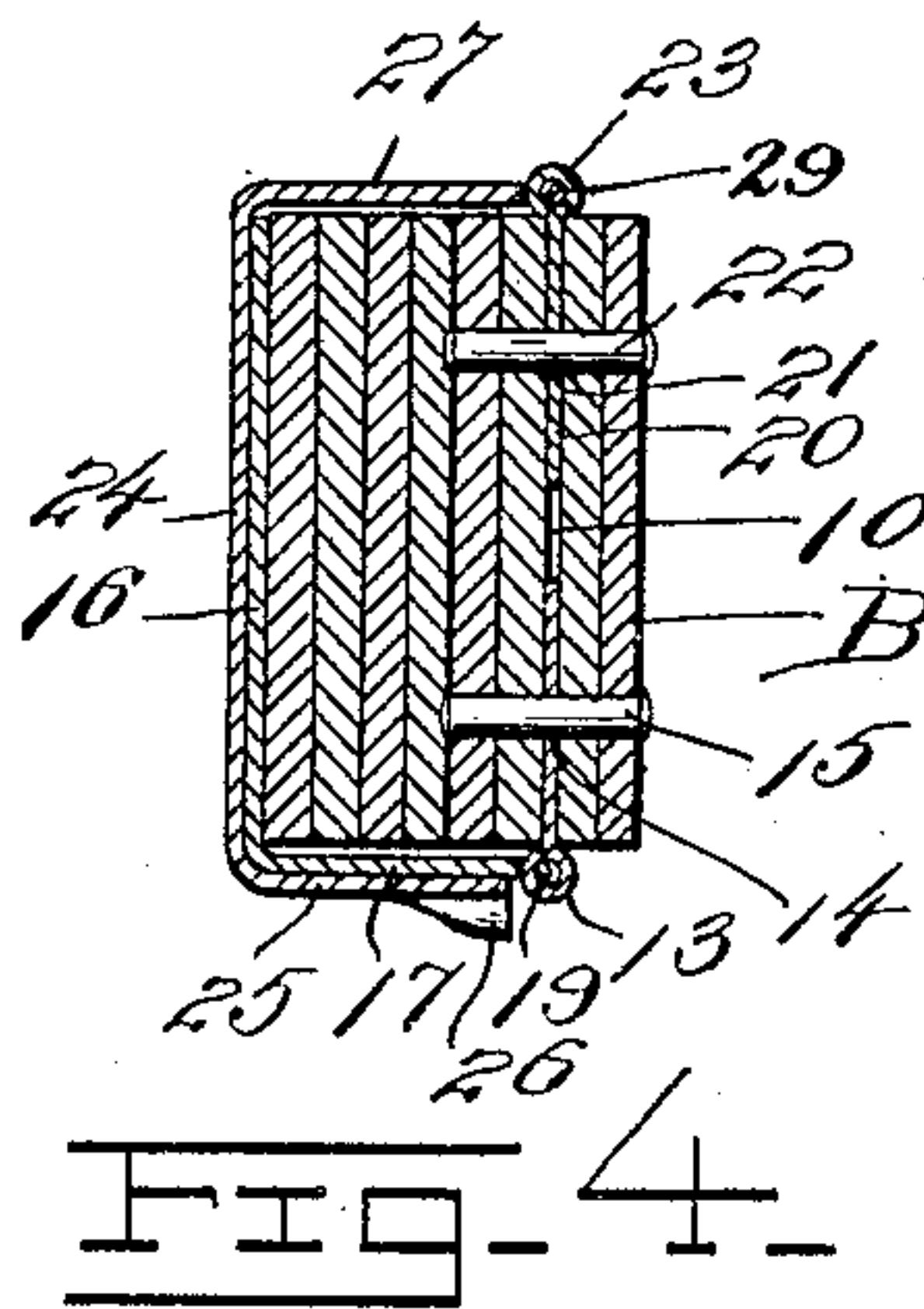
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ELMER H. GULLIOM, OF CARPENTER, SOUTH DAKOTA.

METALLIC LOOP FOR HAME-TUGS.

No. 925,898.

Specification of Letters Patent.

Patented June 22, 1909.

Application filed June 6, 1908. Serial No. 437,134.

To all whom it may concern:

Be it known that I, ELMER H. GULLIOM, a citizen of the United States, residing at Carpenter, in the county of Clark and State of South Dakota, have invented certain new and useful Improvements in Metallic Loops for Hame-Tugs, of which the following is a specification.

This invention relates to the class of harness, and has for an object to provide a loop especially adapted for use in retaining in proper relation two members of a hame tug or similar harness connections.

A further object of this invention is to provide a harness loop which may be made of metal to thus increase the life of the loop and to so construct the same whereby it may be applied to a hame tug or the like in the ordinary manner.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a front elevational view of a portion of a hame tug showing the application of the present invention thereto, Fig. 2 is a top plan view, Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 1, Fig. 4 is a vertical sectional view on the line 4—4 of Fig. 1, Fig. 5 is a perspective view of one of the loop members, Fig. 6 is a similar view of the other member of the loop.

Referring now more particularly to the drawings, there is shown a portion of a hame tug comprising two members A and B respectively. The member B of the tug is provided with a vertically disposed passage 10, and disposed in a portion of this passage there is shown a plate 11 provided with spaced vertically disposed ears 12 and 13 respectively arranged to lie outwardly of the passage 10 at the lower end thereof. The plate 11 is provided with horizontally disposed passages 14 which receive fastening rivets or similar fastening devices 15 engaged with the member B of the tug, as shown. A vertically disposed plate 16 is located at the outer side of the member A, and at the lower end this member is provided with an inwardly directed portion 17

which carries at its edge spaced ears 18. The spaced ears 12 and 13 respectively of the plate 11 are located between the ears 18 of the portion 17 of the plates 16, and these ears thus receive a horizontally disposed pin 19 whereby said plates 11 and 16 respectively are hingedly connected. The passage 10 also receives a vertically disposed plate 20 similar to the plate 11 previously described, and which is provided with passages 21 for the reception of fastening rivets 22 which are also engaged with the member B of the tug. The plate 20 is provided with upwardly extending ears or looped portions 23. Disposed outwardly of the plate 16, there is shown a plate 24 having a right angularly disposed portion 25 at the lower end thereof arranged for overlapping engagement with the portion 17 of the plate 16, and at the center, the portion 25 is provided with a finger engaging lip 26. At the upper end, the plate 24 is provided with a right angularly disposed and inwardly directed portion 27 which carries at its extremity spaced ears or loops 28 between which are disposed the ears or looped portions 23 of the plate 20. These ears or looped portions thus receive a pin 29 similar to the pin 19 as will be seen from the drawings.

It will thus be seen that a simple and effective loop is provided which may be readily formed from the desired metal and put upon the market at a relatively low figure. In use, the plates 11 and 20 respectively are permanently engaged with the member B of the tug, and when it is desired to engage the member A with the loop the plate 24 which is hingedly connected to the plate 20 is swung upwardly. The plate 16 which is hingedly connected to the plate 11 is swung downwardly. The member A is thus properly positioned and it will thus be seen that the plate 16 may be moved to lie outwardly of the member A of the tug, after which the plate 24 may be swung on its pivot to lie in parallel relation to the plate 16. In the just described position of the plate 24 it is obvious that the portion 25 thereof will overlap the portion 17 of the plate 16 as will be apparent from Fig. 3 of the drawings.

What is claimed is:—

1. A harness loop comprising two stationary plates, and a hingedly connected loop-forming member carried by each of said plates.

2. A harness loop comprising a fixed member, a member hingedly connected to said fixed member and comprising a portion disposed in parallel relation to said fixed member, a fixed member located adjacent to the
5 first named fixed member, and a hingedly connected member carried by the last named member and having a portion disposed in parallel relation to said last named member
10 and arranged to lie outwardly of said parallel portion of the first named hinged member.

3. In a harness loop, the combination with a pair of fixed plates, of a member pivotally
15 connected with one of said plates and extending outwardly and downwardly in spaced relation to said plates, a second member pivotally connected to the other of said plates and extending outwardly and upwardly, said upwardly directed portion lying
20 inwardly of the downwardly directed portion of the first named member, and an inwardly directed portion carried by the downwardly directed portion of the first
25 named member and overlapping the out-

wardly directed portion of the second named member.

4. The combination with a harness strap, of a pair of plates secured against the strap, one above the other, a member pivotally connected with the lower edge of the lower
30 plate and extending outwardly and then upwardly in spaced relation to the plates, and a member pivoted to the upper edge of the upper plate and extending outwardly and
35 then downwardly over the outer face of the upwardly directed portion of the first named member and then inwardly under the outwardly directed portion of the first
40 named member.

5. A harness loop comprising two plates, and a pair of overlapping loop forming members hinged one to each plate for movement into and out of operative position.

In testimony whereof I affix my signature, 45
in presence of two witnesses.

ELMER H. GULLIOM.

Witnesses:

C. T. HANNA,
W. A. HICKS.

It is hereby certified that the name of the patentee in Letters Patent No. 925,898, granted June 22, 1909, for an improvement in "Metallic Loops for Hame-Tugs," was erroneously written and printed "Elmer H. Gulliom," whereas the said name should have been written and printed *Elmer H. Gullion*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 24th day of August, A. D., 1909.

[SEAL.]

F. A. TENNANT,
Acting Commissioner of Patents.