(No Model.)

F. W. FINCHER.

METALLIC CALKING STRIP.

No. 491,417. Patented Feb. 7, 1893.

Fig. 1.

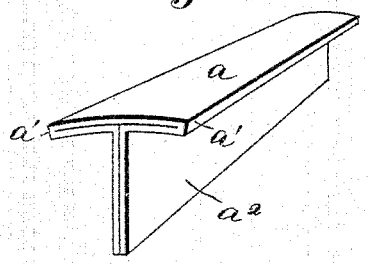


Fig. 2.

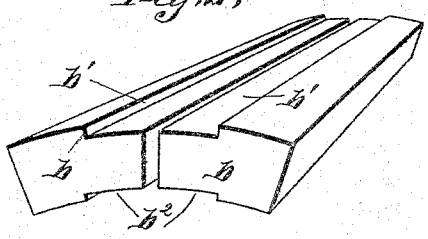
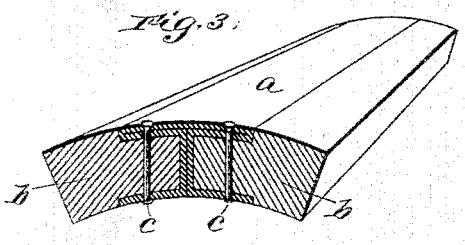


Fig. 3.



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UNITED STATES PATENT OFFICE.

FRANCIS W. FINCHER, OF PENTWATER, MICHIGAN.

METALLIC CALKING-STRIP.

SPECIFICATION forming part of Letters Patent No. 491,417, dated February 7, 1893.

Application filed July 20, 1892. Serial No. 440,711. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS W. FINCHER, a citizen of the United States, residing at Pentwater, in the county of Oceana, and in the State of Michigan, have invented a new and useful Metallic Calking-Strip, to be used in stopping the seams of boats and vessels of different sizes and thickness of planking; and I do declare that the following is a full, clear, and exact description of my invention, reference being had to the accompanying drawings, forming a part of this specification, which will enable others skilled in the art to which it appertains to make and use the same.

My invention consists of a metallic strip, having a tongue portion adapted to be inserted into the seams of boats and secured therein substantially as hereinafter described.

The metallic boat calking is intended to be used instead of oakum and cotton commonly used for stopping seams of boats, and is described as follows, reference being had to the accompanying drawings.

Figure 1—illustrates one form of my metallic calking strip. Fig. 2. illustrates portions of two planks shaped to receive the calking strip shown in Fig. 1. Fig. 3. shows the calking strip secured to the planking.

Referring to the construction shown in the drawings; *a* designates the metallic calking strip which in this instance is to be made of sheet copper, zinc or other desirable metal, folded upon itself from both sides forming a flange portion *a'*, and where meeting at the center of the flange both portions being bent outward forming a tongue portion a^2. The planks *b. b.* see Fig. 2. are formed with rabbets or grooves *b'. b'.* on both outer edges to receive the flanges. The planks also have grooves or rabbets b^2. b^2. at their inner edges for a purpose to be presently explained.

In applying this form of calking strip the tongue a^2 is inserted through the joint between the planks and the two parts of the tongue are separated and turned outward and secured in the rabbets b^2. by nails or rivets *c. c.*

Small row or sail-boats are usually built lap streak or clinker pattern and with the metallic calking as shown in Fig. 1, a boat with a smooth surface, or outside, can be built stronger, and as light as desired; the planks all being fastened together with the metallic calking; and permits the boat's planking to shrink and swell without loosening the calking.

The use of the metallic calking overcomes a difficulty often met with when the usual oakum or cotton is used; in that; it will not be pulled out when left in the ice during the winter.

The metallic calking will greatly protect the boat and keep it from chafing and the boat will never require recalking when once calked with the same.

Having fully described my invention: what I claim and desire to secure by Letters Patent is:—

A means for stopping the seams of boats consisting of a strip of sheet metal doubled upon itself from its sides toward the center, thence at a right angle forming a flange portion and a tongue portion, said tongue portion adapted to be inserted into the seam of a boat, then turned outwardly forming an inner flange, said flanges adapted to be received in rabbets in the outer and inner edges of the planks, and to be secured therein substantially as described.

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Witnesses:
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