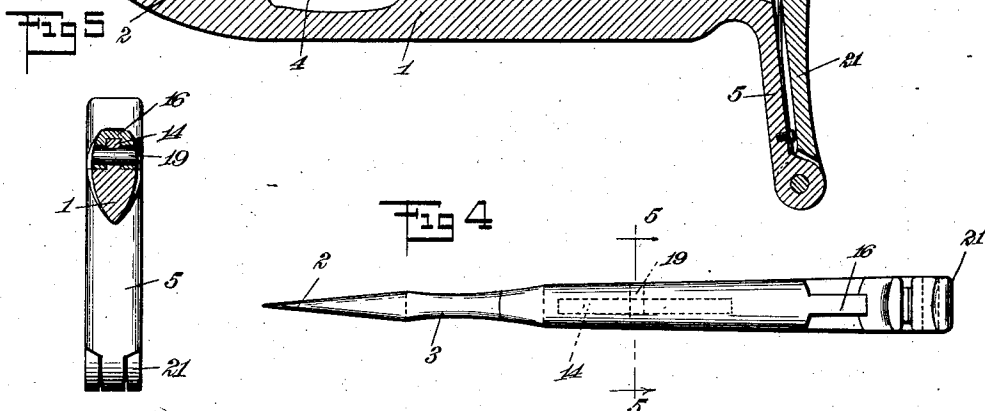
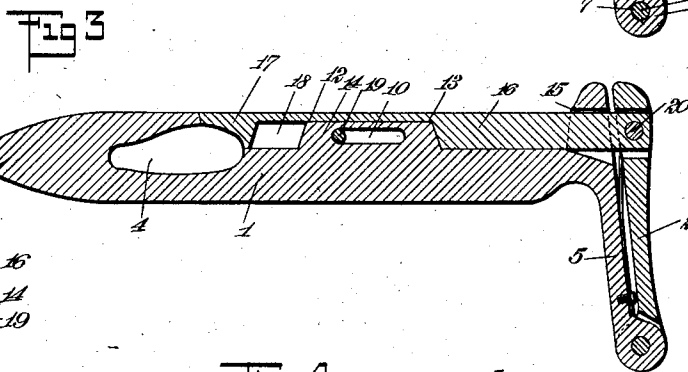
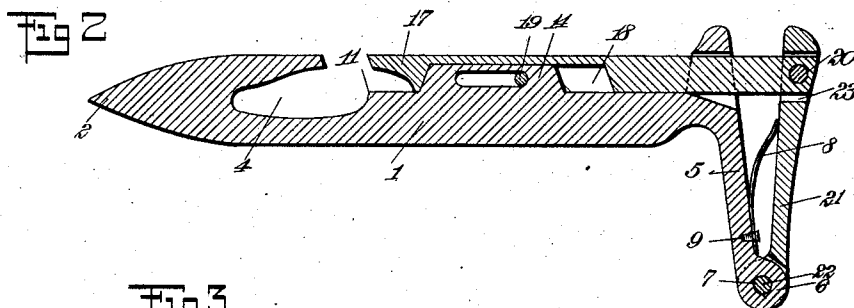
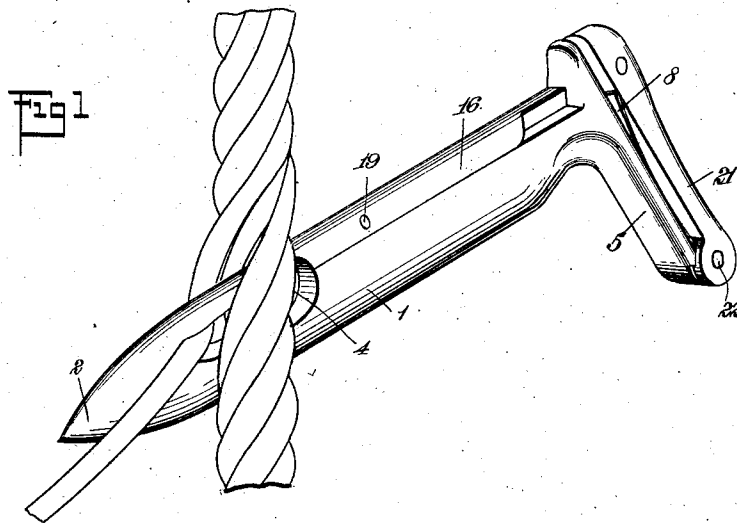


J. SCHUTTEE.
 SPLICING TOOL.
 APPLICATION FILED MAR. 15, 1911.

1,010,963.

Patented Dec. 5, 1911.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH SCHUTTEE, OF SILVER SPRINGS, NEW YORK, ASSIGNOR OF ONE-SIXTEENTH TO CHRISTOPHER SOLBERG, OF SILVER SPRINGS, NEW YORK.

SPLICING-TOOL.

1,010,963.

Specification of Letters Patent.

Patented Dec. 5, 1911.

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To all whom it may concern:

Be it known that I, JOSEPH SCHUTTEE, a citizen of the United States, and a resident of Silver Springs, in the county of Wyoming and State of New York, have invented a new and Improved Splicing-Tool, of which the following is a full, clear, and exact description.

My invention relates generally to splicing tools and more particularly it involves a tool adapted to replace the ordinary marine-spike.

The object of my invention is to provide a tool used in splicing or weaving together the strands of hempen rope or a steel cable, which is of improved construction, whereby one hand only is necessary to the operation of the device, the other hand being left to hold the rope or cable in the most convenient position during the splicing or weaving.

A further object of my invention is to provide a tool of the class described, one end portion of which is provided with a recess and the handle portion thereof being of particular formation, whereby the entrance to this recess may be closed after the tool is brought into engagement with the strand of rope or cable, thereby rendering the operation of weaving or splicing simpler and capable of performance in a much shorter time than heretofore.

Reference is to be had to the accompanying drawings forming a part of this specification, in which like characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view of my device in operative position with a piece of cable; Fig. 2 is a central vertical sectional view thereof; Fig. 3 is a similar view with the parts in closed position; Fig. 4 is a top view with the parts in closed position; Fig. 5 is a sectional view on the line 5—5 of Fig. 4.

My device comprises a body portion 1 having a forward end pointed as at 2, the portion adjacent the pointed end being recessed on opposite sides as at 3, whereby it is adapted for easy movement between the strands of the cable. The body portion 1 at the tapered portion 3 thereof is provided with a recess 4 of substantially the shape shown in Fig. 2 and 3, this recess extending forwardly of the body portion 1. The rear end of the tool is provided with a later-

ally extending part 5, to the lower end of which is an enlarged bearing portion 6, having an opening 7 therein; the portion 5 is also provided with a leaf spring 8, the lower portion thereof being secured to the said portion adjacent the bearing end by any suitable means, such as a small screw 9.

The upper central portion of the body member 1 is provided with a transverse slot 10 and the material of the body portion between the end 11 of the recess 4 and the point 12 is removed as is the material between the point 13 and the rear end portion of the body member, whereby a guiding lug 14 is formed; the upper rear end of the body portion 1 is provided with a longitudinally extending recess 15. Slidably carried on the upper side of the body member is the element 16, the forward end 17 of which is cut away in order to provide an unbroken wall for the recess 4 when the parts are in the position shown in Fig. 3. This element 17 is provided with a recessed central portion 18 of a length substantially greater than the guiding lug 14, and this element is provided with a transverse pin 19 extending through the slot 10 in this guiding lug whereby travel of the element 17 is predetermined. The opposite end of the element 17 is extended through the opening 15 and for a short distance beyond, and the end thereof is provided with an opening through which a pivot 20 passes, this pivot being also in engagement with the upper end portion of an auxiliary handle portion 21. The handle portion 21 is pivoted to the laterally extending part 5 at the lower end 6 thereof by means of a pivot 22; the upper end of the handle 21 is provided with a recess 23 into which the end of the element 16 passes, the pivot 20 being in engagement with the said element and the opposite side walls of the said recess, whereby movement of the handle 21 back and forth will reciprocate the element 16. The leaf spring 8, the free end of which bears against the upper end portion of the handle member 21, serves to keep the parts in the position shown in Fig. 2, whereby a strand of rope or cable may be easily inserted into the said recess 4.

In splicing or weaving a rope or cable, the pointed end 2 of my device is inserted between the strands as shown in Fig. 1 and the strand to be drawn through is dropped

into the recess 4, then by taking the device at its opposite end and bringing the handle portion 21 adjacent the extending part 5, as shown in Fig. 3, the recess 4 is closed and the device may be easily and quickly withdrawn, thereby bringing the strand engaged therein into position between the other strands; by releasing hold on the handle portion 21 the parts will come back to the position shown in Fig. 2 and the strand drawn through may be brought out of the said recess, leaving the device ready for insertion between other strands. It will be noted that by the use of this device one hand only is required for its operation, leaving the other hand free, which is not true of splicing or weaving with the aid of the old-fashioned marline-spike. The use of my device has the further advantage that time is saved in the splicing operation, and by reason of the way in which the strand is drawn between other strands, the ends are not unraveled thereby enabling a much neater splice to be made.

Many changes may be made in the form, shape and size of my device in order to adapt the different ropes or cables, without departing from the inventive idea; as for instance, the device may be made of brass for use in splicing ropes, and of steel or iron for use on steel cables.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

1. A device of the class described comprising a body member having a handle portion, the body member having a forwardly extending recess therein, a longitudinally sliding element carried by the said handle portion and having an end portion thereof to close the said recess, means for moving the said element, other means for holding the said element in position with the said recess opened, whereby, in the operation of splicing, the strand contained in the said recess may be secured in position therein.

2. A device of the class described comprising a body portion having a pointed forward end, the body portion in the rear of the said pointed end having recessed sides, a recess contained in the body of the said member between the said recessed sides, a laterally projecting part at the opposite end of the said body member, a movable element on the said body member, the forward end

of which is adapted to close the said recess in the said body member, a handle portion having one end thereof pivoted to the outer end of the said laterally extending portion and the other end thereof being pivoted to one end of the said movable element, whereby movement of the said handle member will move the said element, together with means for guiding and holding the said movable element on the said guiding member whereby, in the process of splicing, the said forward pointed end of the body portion may be inserted between some strands after one of the strands has been placed in the said recess, the recess may be closed by moving the said movable element by bringing the handle and the laterally extending portion closely adjacent.

3. A device of the class described comprising a body member having a pointed forward end, a recess contained in the said body member adjacent the said pointed end, the said recess being forwardly extending and having an opening adjacent its rear portion, a laterally projecting part extending from the opposite end of the said body member, a movable element carried by the said body portion, the forward end of which is adapted to close the opening to the aforementioned recess, the under portion of the said element being recessed and the upper portion of the said body member being provided with a guiding lug, the said lug entering the said recess in the said element, the said lug being further provided with a slot and a pin extending through the slot and contained in the outer portions of the said movable element, whereby the said movable element is held in position on the said body member and its movement thereon is determined, together with a handle member engaging the outer end of the said laterally extending part and the outer end of the said movable element, whereby movement of the handle will bring it adjacent to the said laterally extending member and will move the said element to close the opening of the said recess.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH SCHUTTEE.

Witnesses:

LEO R. GROVER,
C. R. MASON.