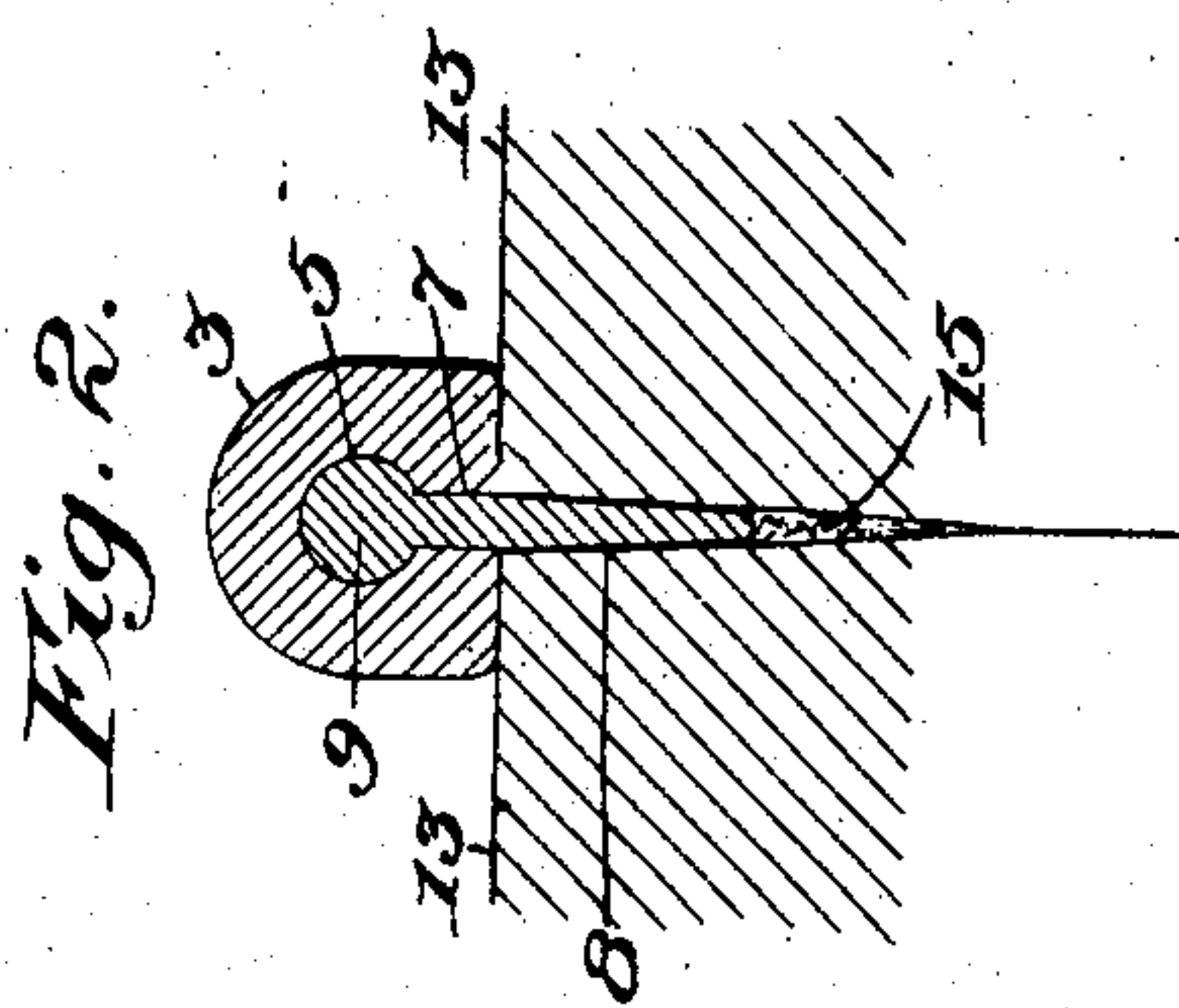
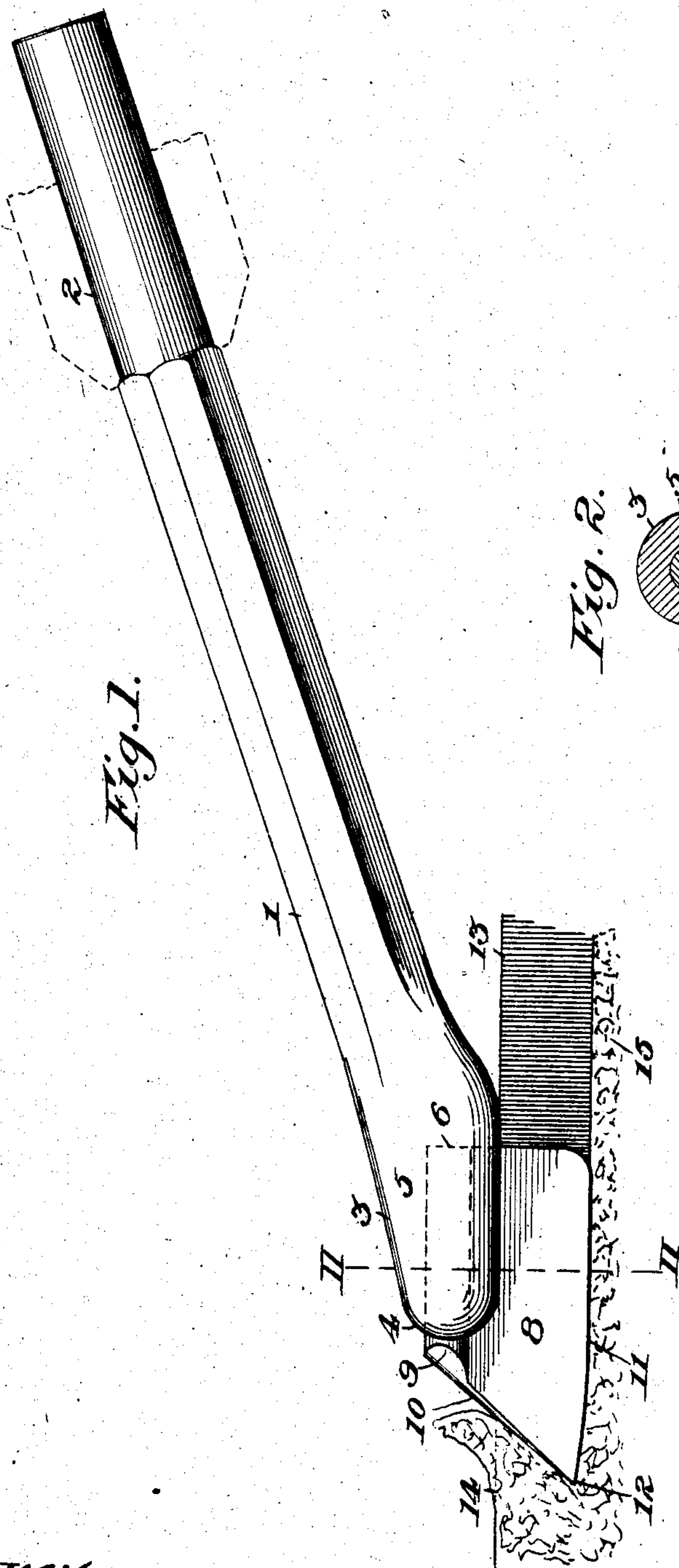


No. 833,869.

PATENTED OCT. 23, 1906.

A. F. BOWEN.  
REEFING TOOL.

APPLICATION FILED APR. 25, 1906.



Witnesses:

*Chas. E. Chas. H. Bowen*

Inventor:

*Almon F. Bowen,*  
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*Att'ys.*

# UNITED STATES PATENT OFFICE.

ALMON F. BOWEN, OF NEWPORT NEWS, VIRGINIA.

## REEFING-TOOL.

No. 833,869.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed April 25, 1906. Serial No. 313,667.

*To all whom it may concern:*

Be it known that I, ALMON F. BOWEN, a citizen of the United States, residing at Newport News, in the county of Warwick and State of Virginia, have invented certain new and useful Improvements in Reefing-Tools, of which the following is a specification.

This invention is a tool for effecting the removal of oakum, glue, putty, or other packing material from the seams of the decks of vessels.

The tool comprises a shank and blade-holder having shoulders to slide upon the deck-planks and a removable blade having a pointed beveled end to enter the seams and cut and eject the packing.

Referring to the accompanying drawings, Figure 1 is a side elevation of the tool in use, a short portion of the deck being shown in vertical section along the seam. Fig. 2 is a vertical transverse section on the line of II II of Fig. 1.

The tool shown comprises a shank 1, preferably of hexagonal tool-steel, having a cylindrical upper end 2 to enter the socket of a standard pneumatic hammer. The lower end of the shank is shaped to constitute a slide and blade-holder 3, the forward end 4 being rounded. Into the end of the holder 30 is drilled a cylindrical hole 5, having a flat bottom 6. A longitudinal slot 7 is cut through the lower wall of the hole. The blade 8 has at its upper edge a cylindrical rib 9, which is received by the hole 5, the blade 35 extending down through the slot 7 and seating at its rear end against the base of the hole. The forward end 10 of the blade is beveled downward, and the lower edge 11 is curved slightly upward to provide a point 12. 40 Blades of different thickness and depth may

be provided for use in the same holder to suit the seams of light and heavy decks.

In using the tool the blade is pressed downward into the seam until the shoulders of the holder rest upon the deck-planks 13. Power 45 is then applied to the hammer, and the blade is driven forward in the seam, cutting and forcing out the main packing 14, leaving the lower two or three threads 15, which are usually driven into the seam when the deck is 50 first laid. The rounded front end of the blade-holder enables it to ride over an uneven deck-surface. The upwardly-curved lower edge of the blade prevents the point from catching in the seam and gives the operator complete control of the tool. 55

I claim—

1. A reefing-tool, comprising a shank and blade-holder having lateral shoulders, and a blade having a beveled front end, as set forth. 60

2. A reefing-tool, comprising a shank and holder having lateral shoulders, and a blade the front end and lower edge of which are beveled to a point, as set forth. 65

3. A reefing-tool, comprising a shank and holder having a blade-socket, and a blade removably seated in said socket, said blade having a beveled front end.

4. A reefing-tool, comprising a shank and 70 holder having a blade-socket, said socket comprising a cylindrical hole and a longitudinal slot, and a blade having a cylindrical rib, seated in said hole and slot, as set forth.

In testimony whereof I affix my signature 75 in presence of two witnesses.

ALMON F. BOWEN.

Witnesses:

OSBORN P. LOOMIS,  
H. B. GREGORY.