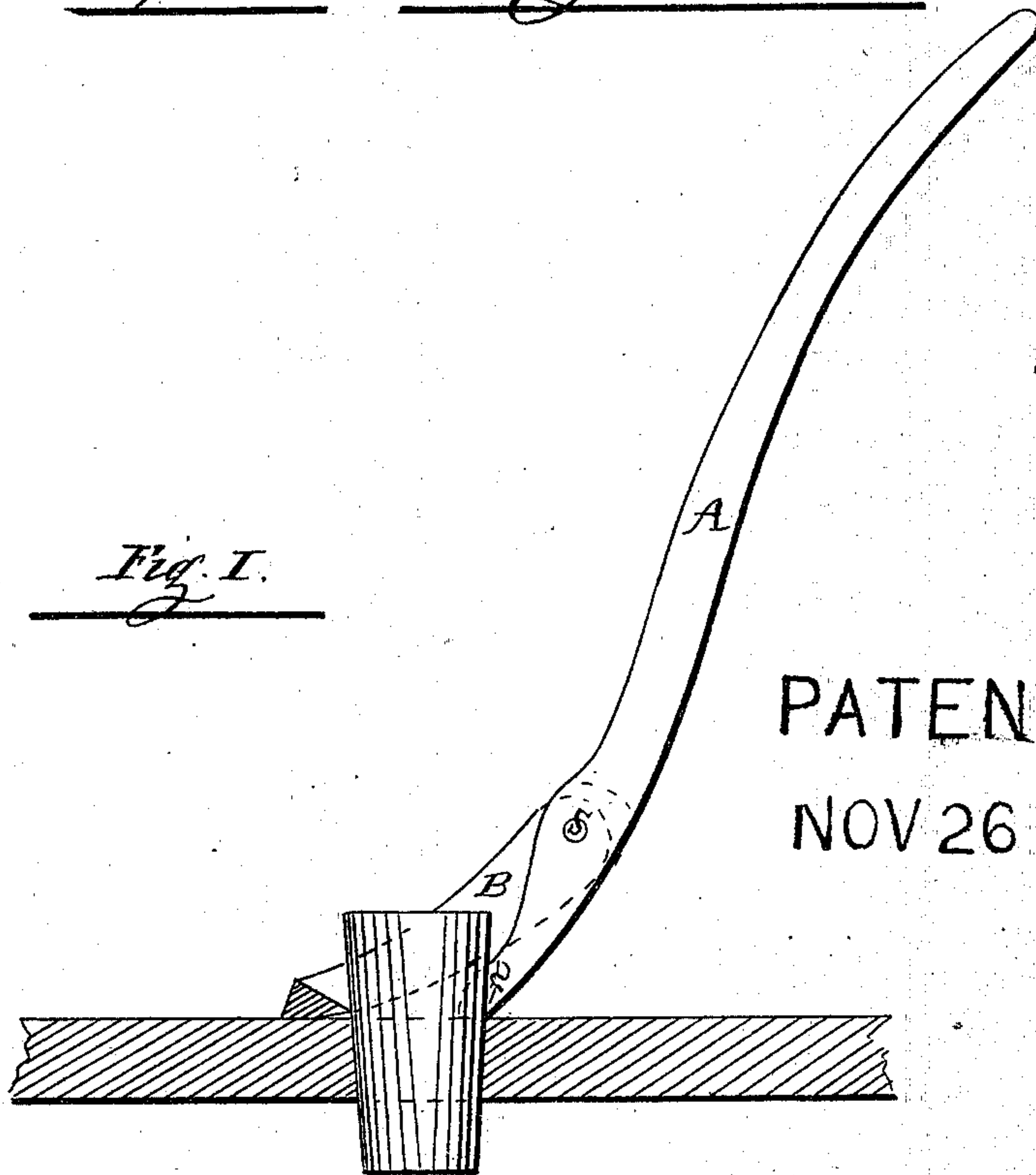


Felix Miller & Hypolite Pernot's

Improved Bung Extractor

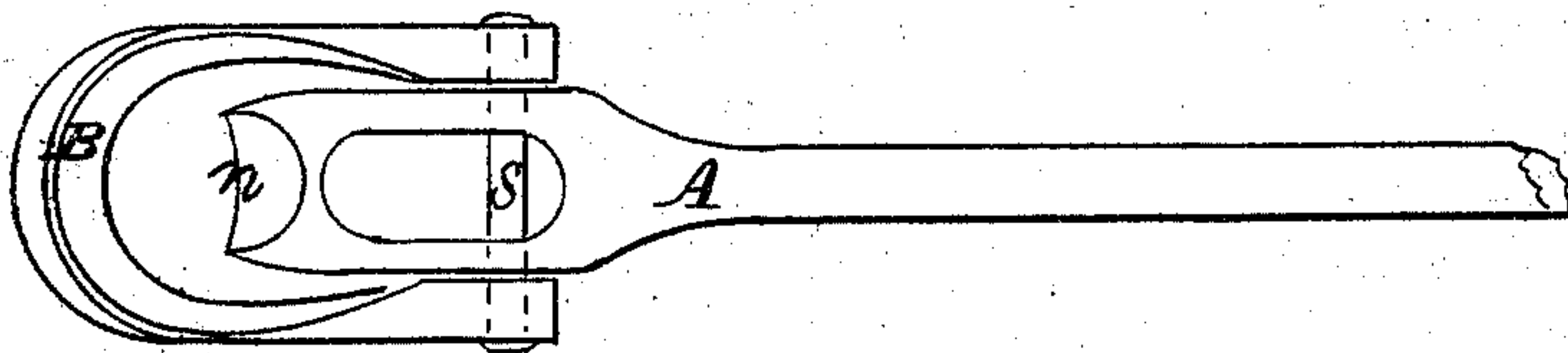
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Fig. I.



PATENTED
NOV 26 1867

Fig. II.



Witnesses

Henry E. Rucker

William Derfer

Inventors

Felix Miller
Hypolite Pernot

United States Patent Office.

FELIX MILLER AND HYPOLITE PERNOT, OF NEW YORK, N. Y.

Letters Patent No. 71,402, dated November 26, 1867.

IMPROVEMENT IN BUNG-EXTRACTORS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, FELIX MILLER and HYPOLITE PERNOT, both of New York, in the county and State of New York, have invented a new and improved "Bung-Extractor;" and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure I represents a side elevation, partly in section, and

Figure II is a top view of our improved bung-extractor.

In the accompanying drawing, A represents a lever, the lower end of which is made with a circular cavity, *n*, and pointed. On this lever A a strap or bow-shaped lever, B, is hinged, turning freely on a pin, *s*, fast to the lever A. The inner edge of this strap is chamfered off at its extreme end on the inside. The lower end of the lever A is likewise rounded off on the outside or bottom.

To extract the bung out of a barrel, the end of the lever A is placed against the bung, as near to the stave as possible, so that the bung comes into the circular cavity *n* at the end of said lever. The strap or bow-shaped lever B is then thrown over the bung, so as to take hold of the same on the other side, and as near as possible opposite to the point where the end of the lever A is in contact with the said bung. By pressing now the upper part of the lever A downwards, the bottom or round part of the said lever will act as a fulcrum, and the strap B, being firmly jointed on the pin *s* to the lever A, will clutch the bung firmly between its inner end and the end of the lever A, and cause the bung to be extracted.

What we claim as our invention, and desire to secure by Letters Patent, is—

The lever A, with a circular cavity, *n*, at its end, in combination with the strap or bow-shaped lever B, hinged to said lever A, the whole being constructed and operating in the manner and for the purpose substantially as set forth and described.

FELIX MILLER,
HYPOLITE PERNOT.

Witnesses:

HENRY E. ROEDER,
WILLIAM DERFER.