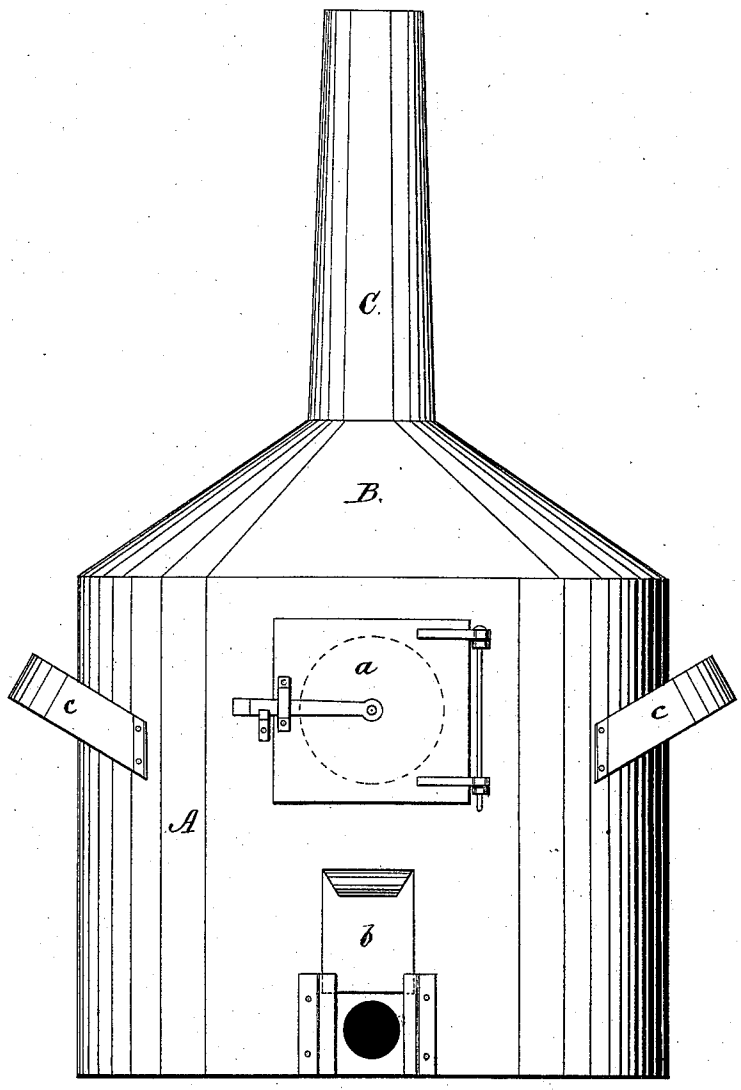
W. ARMSTRONG, J. F. SMITH & J. F. ARMSTRONG.

Stump-Burner.

No. 197,810. Patented Dec. 4, 1877.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIS ARMSTRONG, JAMES F. SMITH, AND JOHN F. ARMSTRONG, OF OWENSVILLE, INDIANA.

IMPROVEMENT IN STUMP-BURNERS.

Specification forming part of Letters Patent No. **197,810**, dated December 4, 1877; application filed October 26, 1877.

To all whom it may concern:

Be it known that we, WILLIS ARMSTRONG, JAMES F. SMITH, and JOHN F. ARMSTRONG, of Owensville, in the county of Gibson and State of Indiana, have invented a new and Improved Stump-Burner; and we do hereby declare that the following is a full, clear, and exact description of the same.

The object of the invention is to provide a cheap portable device for use in burning stumps standing in the field.

The same consists of a cylindrical sheet-iron hood, having a suitable door, draft-opening, and handles, and provided with a top extension or chimney.

In the accompanying drawing, forming part of this specification, the figure is a side elevation.

The body A of the stump-burner is cylindrical, and the top B conical. It is open at the bottom, and surmounted by a tapering chimney, C.

Any preferred material may be employed in constructing these parts; but sheet or boiler-plate iron is well adapted for the purpose.

A door, *a*, covers a large opening in one side of the burner, through which fuel may be inserted, and an air or draft opening provided with a regulating-slide, *b*, is located at the bottom of the burner. Handles *c* are attached to the sides of the burner, for the purpose of enabling it to be placed over stumps or conveniently transported from one point to another.

The mode of using the burner and its operation are as follows: The burner is placed over the stump to be burned, and fuel is placed on or around the latter; or the fuel may be first put in position, and the burner afterward placed over the whole. The fuel is then ignited, the door *a* closed, and the draft-slide *b* opened. The fire will soon become intense, and being concentrated around the stump, the flame tending upward and the radiation of heat being for the most part prevented, the stump will be rapidly consumed.

What we claim is—

The stump-burner consisting of the metal hood, having the chimney, handles, and fuel and draft openings, as specified.

WILLIS ARMSTRONG.
JAMES F. SMITH.
JOHN F. ARMSTRONG.

Witnesses:
E. VICTOR,
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