

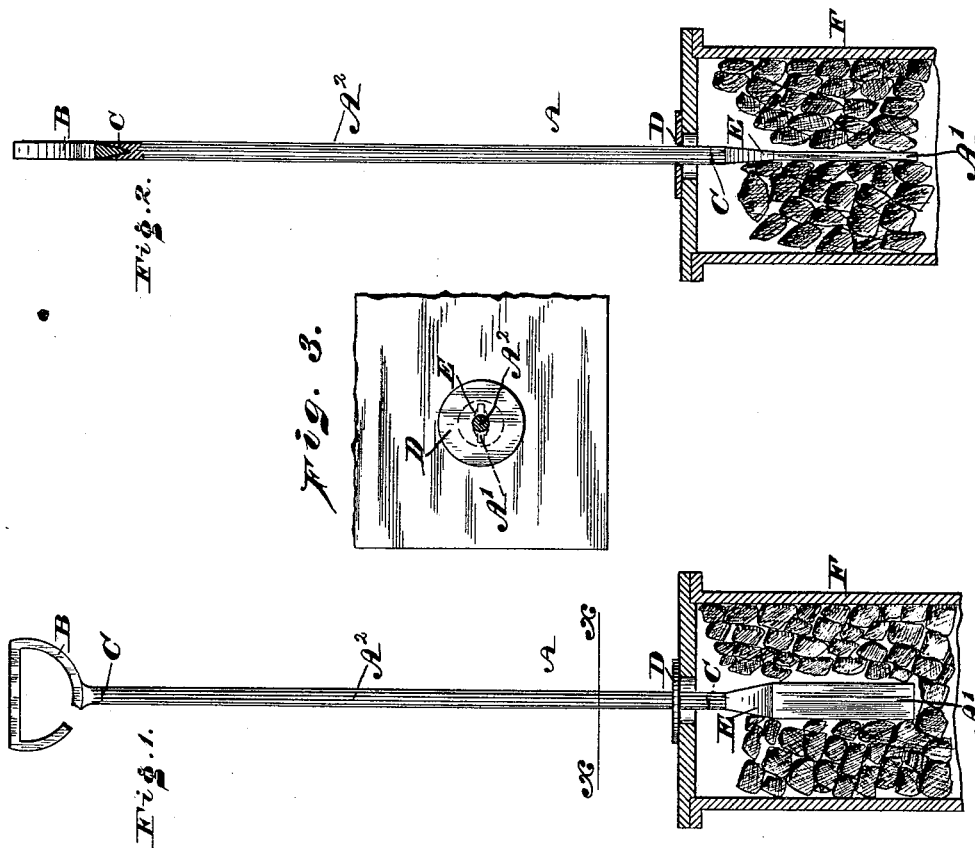
(No Model.)

J. H. THOMAS.

POKING BAR FOR GAS PRODUCERS, &c.

No. 387,021.

Patented July 31, 1888.



Witnesses:
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UNITED STATES PATENT OFFICE.

JACOB H. THOMAS, OF PHILADELPHIA, PENNSYLVANIA.

POKING-BAR FOR GAS-PRODUCERS, &c.

SPECIFICATION forming part of Letters Patent No. 387,021, dated July 31, 1888.

Application filed August 4, 1887. Serial No. 246,116. (No model.)

To all whom it may concern:

Be it known that I, JACOB H. THOMAS, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Poking-Bars for Gas Producers, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a poking-bar for gas-producers, &c., having a shield, substantially as hereinafter fully set forth, whereby the workman is shielded from the products of combustion of said producer, &c.

Figures 1 and 2 represent side elevations of a poker-bar embodying my invention, including vertical sections of a gas-producer, the bar in Fig. 2 being partly cut away. Fig. 3 represents a section in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A represents a poker-bar having a handle, B, and a working end, A', the latter being wider than the shank A² of the bar, thus forming the shoulder E at the place of junction of said end and shank.

On the shank A² is a metallic or non-combustible shield, D, of the form of an annulus, freely encircling the shank and being of greater diameter than the opening in the gas-producer F, so as to cover the same.

The poker-bar is operated as usual, and as it is raised and lowered the shield D, being loose on the shank A², remains on the top of the producer, and thus covers the opening in the latter, whereby the fumes and flames, as products of combustion in the producer, are prevented from escaping to any material extent, or at least from reaching the workman, so that

the latter is guarded by the shield and the work may be safely and comfortably performed. When the bar is raised for removal from the producer, the shield drops on the shoulder E, and is thus prevented from displacement from the bar. As the central opening of the shield is of less diameter than the handle B and shoulder F, the shank may be primarily cut at either place C, so as to permit the location of the shield on the bar, after which the bar is welded at said place C, so that the shield remains on the shank as a fixture of the bar, and may be carried with the same to and from the producer and inserted in either of the openings in the same without liability to be lost.

If desired, the handle B may be cut or left open, as shown in Fig. 1, in order to admit the shield to the shank of the poker.

I am aware that it is not new to provide a poker-bar with a shield placed thereon, so as to prevent the escape of gas from the chamber in which it is used; but I am not aware that the particular construction herein described and claimed is old.

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

A poker-bar having the handle portion open or divided, the flat working end A', having the shoulder E, said end being wider at the shoulder than at the shank, and the shield D, loosely mounted on said shank, said parts being combined substantially as and for the purpose described.

JACOB H. THOMAS.

Witnesses:

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