

(No Model.)

J. PUSEY.
MATCH IGNITER.

No. 271,737.

Patented Feb. 6, 1883.

FIG. 1

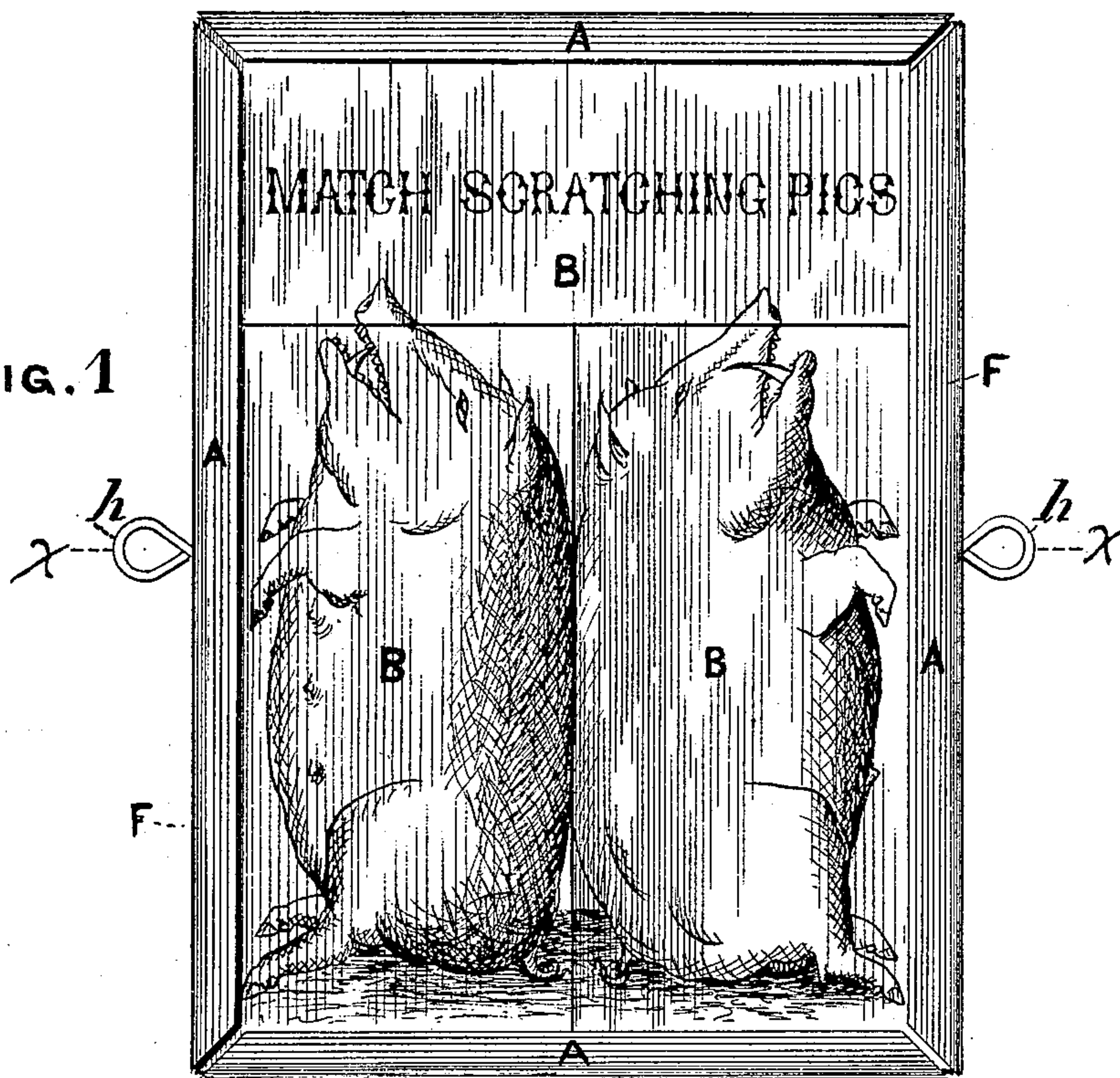
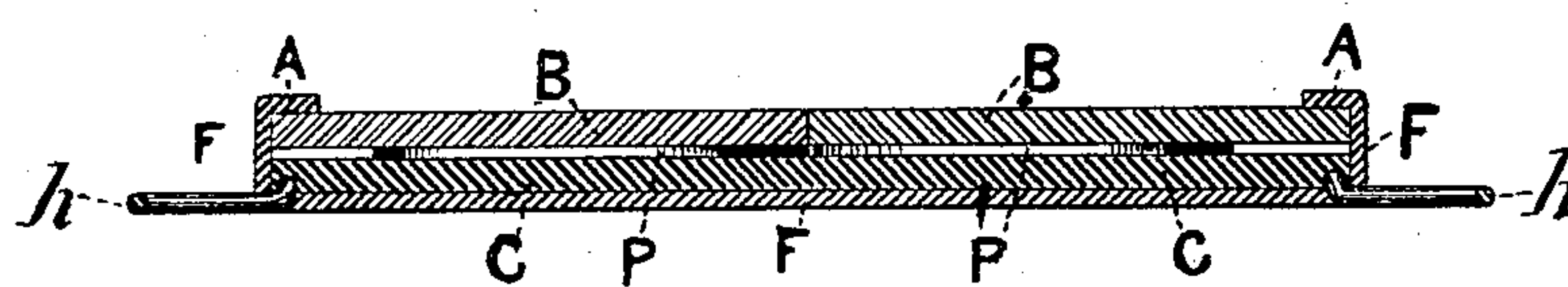


FIG. 2



WITNESSES:

Geo. A. Vaillant.
John. Burkhardt.

INVENTOR

Joshua Pusey.

UNITED STATES PATENT OFFICE.

JOSHUA PUSEY, OF PHILADELPHIA, PENNSYLVANIA.

MATCH-IGNITER.

SPECIFICATION forming part of Letters Patent No. 271,737, dated February 6, 1883.

Application filed August 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA PUSEY, a citizen of the United States, residing at the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Match-Igniters, of which the following is a specification, reference being had to the accompanying drawings, of which—

Figure 1 is a front elevation of the specifically preferred form of the invention; and Fig. 2 is a transverse section on the line X, Fig. 1.

The nature of my device is a luminous match-igniter of improved construction.

Heretofore I have used a luminous igniter consisting of a card coated on its face with the well-known sulphide of calcium or luminous paint, which becomes visible in the dark after exposure to light, in connection with an adjacent attached igniting-surface of sand. The objections to that device are that it gets clogged with use, is not readily cleaned, and soon wears away and becomes unsightly. The striking-surface being also wholly outside the luminous part, in the dark its limits are not defined, and one is not able, owing to the feebleness of the light emitted by the luminous substance, to discover the location or limits of the igniting-surface; and, if the igniter is suspended against the wall, as is usually the case, one is apt to strike the match upon and thereby mar the appearance of the latter. These defects my invention is designed to obviate. To this end I secure in a suitable frame, F, a plate of wood or card-board, C, the face of which is coated with the luminous substance P, and plates of glass B are secured in the frame in front of latter, as shown.

The operation and mode of using the device are obvious. When the head of a match is drawn smartly across the glass plates, in passing from one to the other it strikes against the edge of the latter, especially as the first plate is apt to spring inward a little from the pressure, thus bringing the match sharply against the edge of the next plate in gliding from one to the other. I have shown three such plates,

two of which are parallel and the upper one at right angles to them; but two only may be used, or a single one having lines or grooves made therein.

In order to render the article more attractive, a non-luminous design—such as the “match-scratching pigs,” shown in Fig. 1—may be printed upon the said luminous surface of the plate C; or the latter may be discarded and the luminous substance be applied directly upon the front surface of the frame F.

Instead of the non-luminous design upon a luminous ground, the required luminous surface may be had by a luminous design upon the non-luminous ground of the frame or card C.

The frame in the present instance is made of a piece of thin sheet metal, bent over at its edges to form the flanges A, which serve to hold the card C and the translucent plates in position. The device is secured in the desired location by means of nails or tacks passed through the rings *h* at the sides of the frame.

Having described my invention, I claim as new—

1. The frame, the translucent igniting-plates contained therein, and the luminous surface behind said plates, all combined, arranged, and operating substantially as and for the purpose described.

2. In a match-igniter, the glass plate or plates provided with a roughened or igniting surface on the face thereof, and the luminous surface at the back of the same, combined and operating substantially as and for the purpose set forth.

3. The frame F, and the glass plates B, provided with a roughened or igniting surface on the face thereof, combined and arranged substantially as and for the purpose set forth, and adapted to receive behind them a luminous substance, as described.

JOSHUA PUSEY.

Witnesses:

LISLE STOKES,

JOHN BURKHARDT.