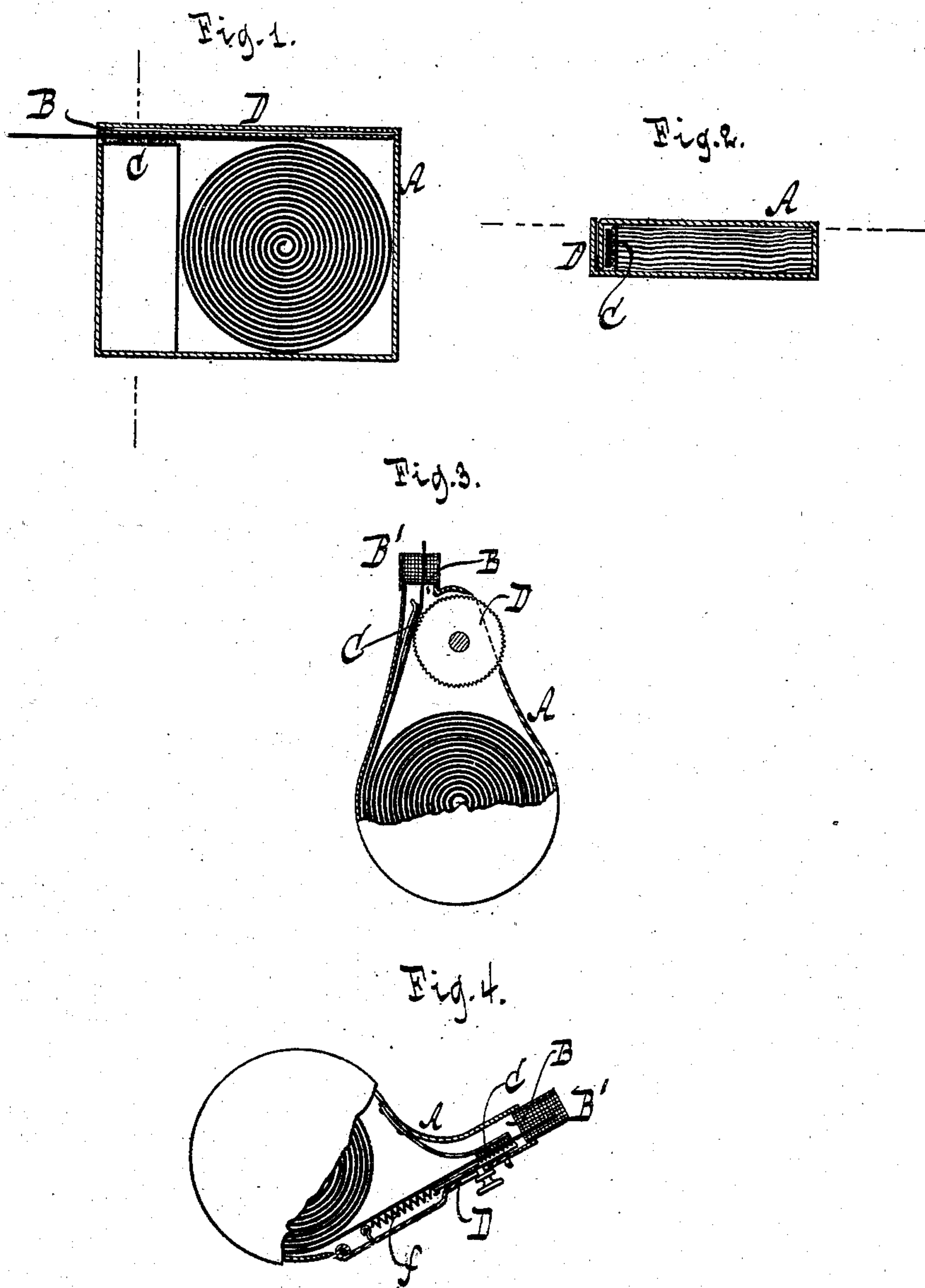


(No Model.)

G. L. JAEGER.
MATCH BOX.

No. 270,073.

Patented Jan. 2, 1883.



WITNESSES:

Otto Hufel and
William Miller

INVENTOR

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ATTORNEYS

UNITED STATES PATENT OFFICE.

GUSTAV L. JAEGER, OF NEW YORK, N. Y.

MATCH-BOX.

SPECIFICATION forming part of Letters Patent No. 270,073, dated January 2, 1883.

Application filed November 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV L. JAEGER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Match-Boxes, of which the following is a specification.

This invention relates to that class of match-boxes or pocket lighting devices in which the box or holder is adapted to contain a coiled continuous match, and provided with means for feeding the match out through the match-discharging orifice, and further provided with means for causing the ignition of such portion of the match as may have been pushed or drawn out from the holder. Heretofore a device of such character has been provided with a spur-wheel for feeding forward the match, and a vibratory arm which is pivoted upon the holder and adapted to be vibrated over the end of the match, so as to strike and thereby light the same. In another instance a spur-wheel has been employed for feeding forward the match and a casing containing a wick, and provided with an exterior friction-surface arranged so that when drawn out from the main box or holder the match shall be rubbed by such friction-surface, and thereby ignited. Under my invention, however, the employment of separate feeding and operative match-striking devices is not rendered necessary, and hence the apparatus is simplified.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a longitudinal section. Fig. 2 is a cross-section. Fig. 3 is a longitudinal section, showing a revolving thumb-piece. Fig. 4 is a like section, showing a reciprocating thumb-piece.

Similar letters indicate corresponding parts. The letter A designates the body of the match-box; B, its discharge-orifice; C, the friction-surface, and D the thumb-piece.

The box may be made of pasteboard, sheet metal, or other suitable material, and in the example shown in Figs. 1 and 2 the friction-surface C, which is roughened in the proper manner, is rigid, and the thumb-piece D is composed of a flexible flap or flaps adapted to be pressed against the friction-surface, the space between the flaps and the friction-surface forming the discharge-orifice B, so that if the prepared match placed in the box is withdrawn through said orifice and the thumb-

piece is depressed the match is ignited by its contact with the friction-surface, bringing it to a condition for use without further manipulation. In the example shown in Figs. 3 and 4 the friction-surface C consists of a spring properly roughened, and the thumb-piece D is movable, it being arranged to revolve, as in Fig. 3, or to reciprocate, as in Fig. 4. By this construction the thumb-piece D is adapted not only to press the match against the friction-surface C, but also to simultaneously discharge the same through the orifice B, which in some cases is a convenience.

When the thumb-piece D is arranged as in Fig. 4, it may be provided with a spring, *f*, for returning it to a normal position.

To the match-discharging orifice B is attached a tube, B', in such a manner as to form an extension to the orifice, said tube being composed of wire-gauze or other foraminous material, so that when the match is ignited and projected through the orifice the tube serves both to protect the flame and also the fingers of the person using the box.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the box having a match-discharging orifice, of the friction-surface fixed within the box at or near such orifice, and the thumb-piece adapted to be operated so as to press the match against the friction-surface, substantially as described.

2. The combination, with the box having a match-discharging orifice, of the friction-surface fixed at or near such orifice, and the movable thumb-piece operating to discharge the match from the box, and also to press the match against the friction-surface, substantially as described.

3. The combination, with the box having the match-discharging orifice provided with the foraminous extension, of the friction-surface at or near such orifice, and the thumb-piece adapted to press the match against the friction-surface, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

GUSTAV L. JAEGER. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.