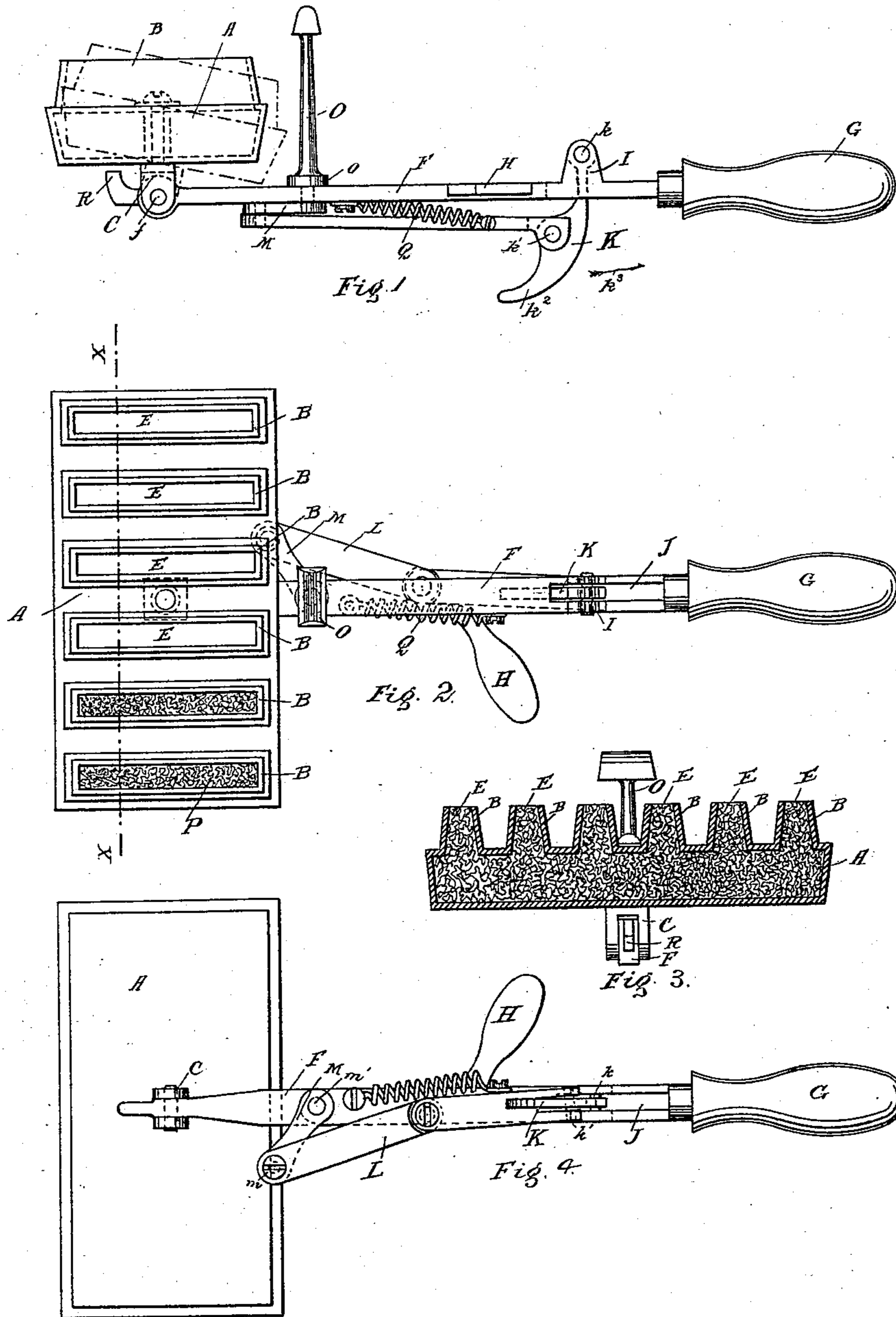


(No Model.)

P. MORENCY.  
FIRE KINDLER.

No. 485,644.

Patented Nov. 8, 1892.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

PIERRE MORENCY, OF MONTREAL, CANADA.

## FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 485,644, dated November 8, 1892.

Application filed March 17, 1892. Serial No. 425,348. (No model.)

*To all whom it may concern:*

Be it known that I, PIERRE MORENCY, a citizen of the Dominion of Canada, residing at the city of Montreal, in the District of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Fire-Kindlers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has reference to a fire-kindler which can be attached to the fire-box grate and left there until the coal or wood placed into it is ignited, thereby dispensing with the trouble of having kindling-wood.

Referring to the drawings, similar letters refer to similar parts throughout the several views.

Figure 1 is a side elevation; Fig. 2, a top plan view; Fig. 3, a section on line X X of Fig. 2, and Fig. 4 a view of the under side.

A is a metallic box made of suitable size and form, provided on its top side with suitable projections B, open at their upper end E, so as to form nozzles of the required size and shape. To the box A is secured the piece C, as shown in dotted lines in Fig. 1, this piece being joined to the lever F at  $f$ , as shown on the drawings. The lever F is provided with the two handles G and H and the forked projection I, a slot J being left in the lever F, so as to permit the introduction of the end of the small lever K, which is joined to the forked projection I at  $k$ , its center  $k'$  being joined to the connecting-rod L, which in turn is secured to the crank M at  $m$ . The other end  $m'$  of the crank M is firmly attached to the T-shaped piece O, which freely turns in the lever F at  $o$ .

Now the inside of the metallic box A is filled with asbestos or any other suitable non-combustible fiber, as shown at P in Fig. 3, and the whole is saturated with coal-oil, so that all there is to do to light a stove is, after

putting fire to the oil, to take hold of the handles G and H with both hands and with the forefinger of the one holding the handle G, pull on the end  $k^2$  of the lever K, and thereby move it in the direction  $k^3$ , this putting the horizontal portion of the T-piece O parallel with the direction of the lever F through the medium of the connecting-rod L and the crank M, and then insert the projections or nozzles B in the openings in the grates, as well as the T-piece O, and as the latter is longer than the projection B the horizontal portion rises above the grates and by leaving go the lever K the spring Q, joined to the connecting-rod L and the lever F, immediately forces the horizontal portion of the T-shaped piece O to assume the position shown in the drawings—that is, crosswise to the grate—and there hold the whole arrangement in position, as this horizontal portion of the T-shaped piece O is longer than the width of the grate-openings.

As can readily be seen, the heat generated by the burning oil will ignite the contents of the fire-box.

The lever F and accessories are heavy enough to keep the box A snug up to the grate by the end R butting up against the under side of the box A when the operator leaves it go.

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

A stove-lighter having the metallic box A, provided with the projections B, piece C, lever F, having the forked projection I and handles G and H, lever K, connecting-rod L, spring Q, crank M, and T-shaped piece O, all substantially as described, and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

PIERRE MORENCY.

Witnesses:

JAMES LAURIN,  
J. EMILE VANIER.