(No Model.)

M. HENRY.

FIRE KINDLER.

No. 457,993. Patented Aug. 18, 1891.

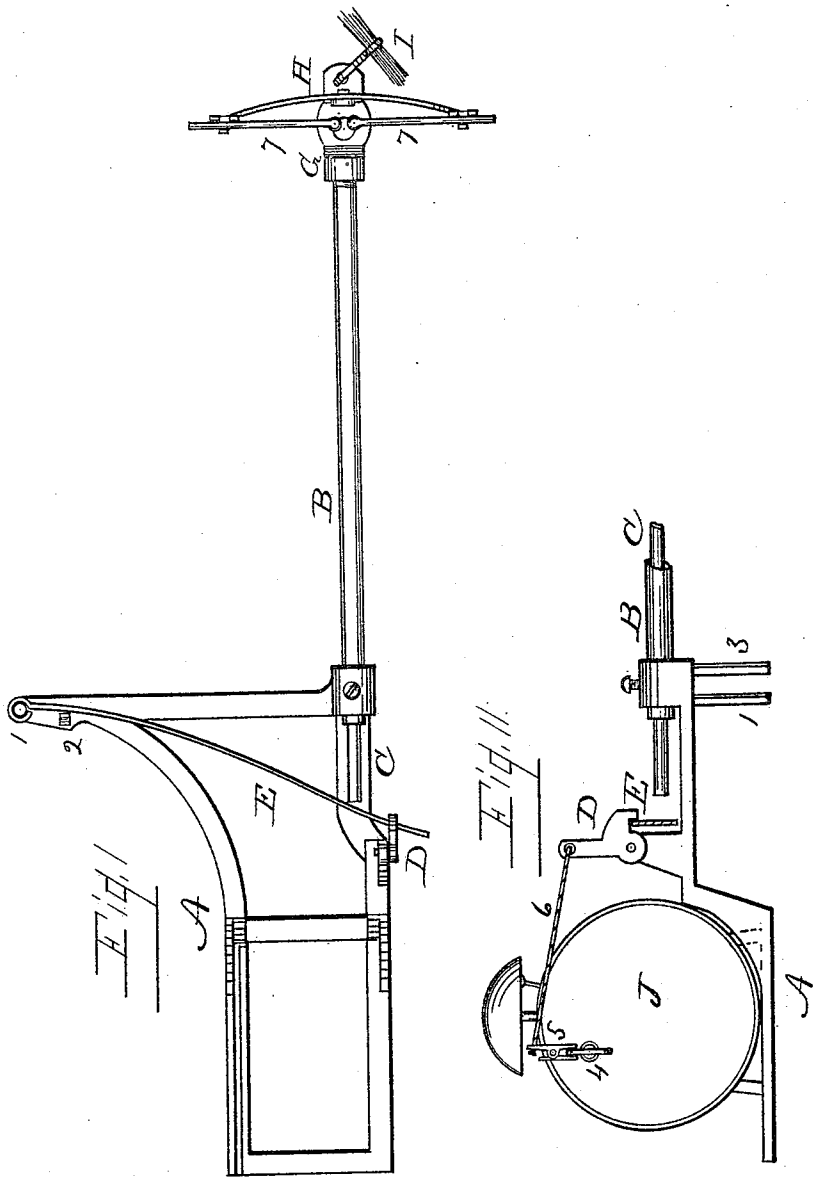


Fig. I.

Fig. II.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MICHAEL HENRY, OF DAYTON, OHIO.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 457,993, dated August 18, 1891.

Application filed March 6, 1891. Serial No. 383,972. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL HENRY, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Fire-Kindlers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in fire-kindlers, the features of which will be fully hereinafter described and claimed.

The object of my invention is the starting of a fire by using in connection with my device the usual form of alarm-clock. I attain the object by the mechanism illustrated in the accompanying drawings, in which—

Figure I is a top view of the device. Fig. II is a side view of the same in part with an alarm-clock connected therewith.

Like letters and numerals designate like parts in the two views.

The metallic frame is comprised of the left end, which serves as a support for the alarm-clock J. The projection backward supports the flat spring E, a lug supports the operative catch D, and a lug at the right end supports the tube B. In the part to the rear is held the pin 1, which extends sufficiently through the frame to form one of the legs, and on the top end of which is placed the eye of the flat spring. The back of this spring bears against the lug 2 of the frame. The leg 3 is attached to the near front portion of the frame, and the two legs, with the left portion of said frame, form the only supports. The burner G is attached to the outer end of the tube B by being screwed onto the same. On the outer end, to a lug of the same, is attached the holder H, whose vertical ends are slit and in which are placed the two matches 7 7. External to said holder is an orifice, in which is held the holding-wire I, into the end of which is placed a quantity of asbestus, and which is saturated with oil when the kindler is prepared for use, and the same is turned to a position directly over the ends of said matches. The igniting-rod C occupies the cavity of the tube B. A projection on the catch D engages the near end of the flat spring. The top end of the catch is connected with the alarm-key 4 of a clock by the cord 6 and clasp 5.

The operation is thus described: The matches and asbestus are prepared as before described, the spring is carried back, holding the device in a vertical position, and the igniting-rod follows and is held by the catch, the same being connected to an alarm-clock, as heretofore described. When the alarm starts, the spring is released, and the rod striking the matches ignites them, flame is communicated to the oil in the asbestus, and the prepared material of a stove is ignited, the end of the kindler having been previously placed beneath the same.

The device is preferably used in connection with an alarm-clock, but may be operated by pulling a string attached to the catch.

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

In a fire-kindler, the combination of frame A, provided with supporting-lugs, flat spring E, catch D, supporting-barrel B, igniting-rod C, burner G, with arms to support matches, and the asbestus burner I, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

MICHAEL HENRY.

Witnesses:
B. PICKERING,
E. J. FINKE.