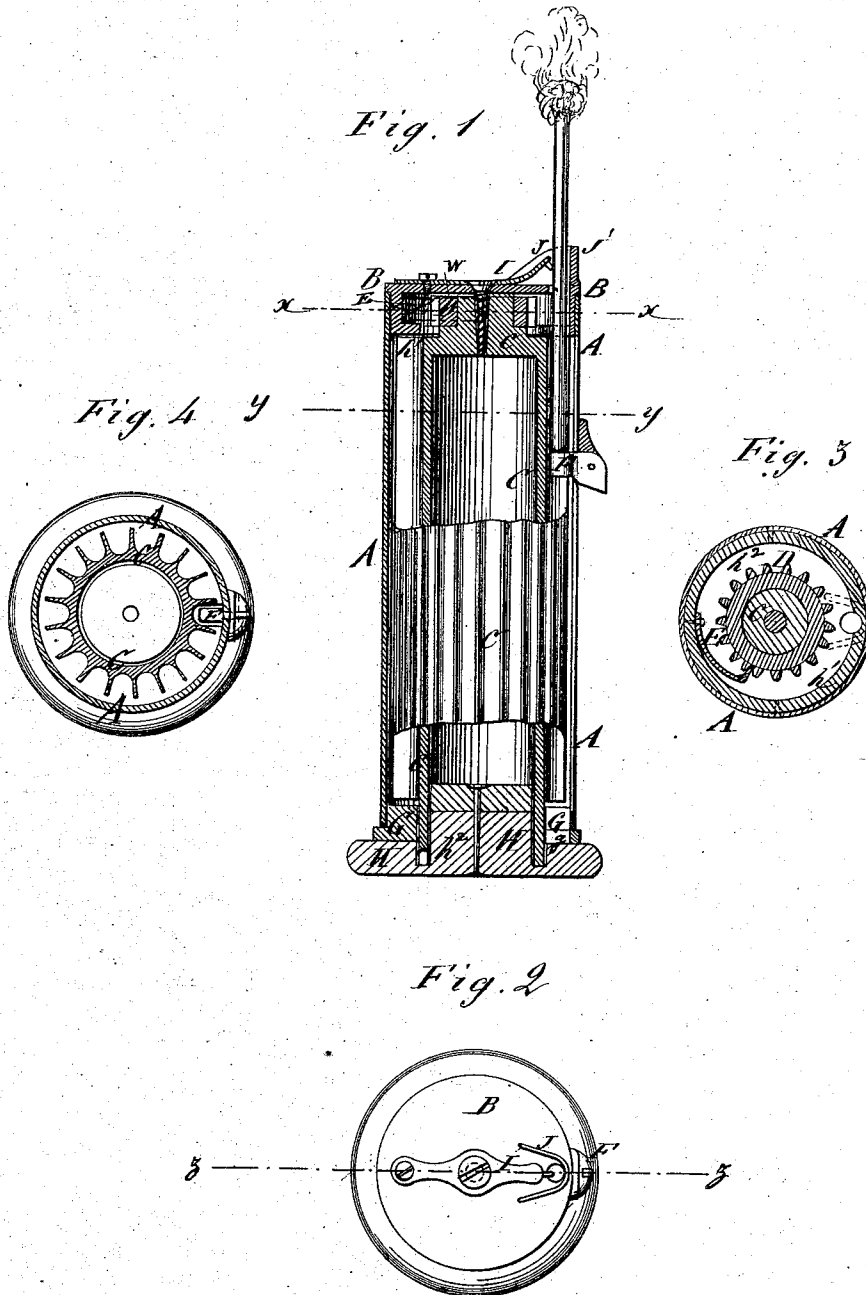


J. KNOX.  
Match-Box.

No. 161,127.

Patented March 23, 1875.



WITNESSES:

C. Keweenaw  
A. J. Terry

INVENTOR:

BY John Knox  
Attorneys.

# UNITED STATES PATENT OFFICE.

JOHN KNOX, OF AUBURN, NEW YORK.

## IMPROVEMENT IN MATCH-BOXES.

Specification forming part of Letters Patent No. **161,127**, dated March 23, 1875; application filed December 28, 1874.

*To all whom it may concern:*

Be it known that I, JOHN KNOX, of Auburn, Cayuga county, in the State of New York, have invented an Improved Match-Safe, of which the following is a specification:

Figure 1 of drawing is a sectional elevation; Fig. 2, a top view; and Figs. 3, 4, horizontal sections.

A represents a slotted shell, which receives head B, which has a groove, *h*, in one end, and at the other a head, G, open in the center, to receive internal cylinder C, and having a side notch, *g*, to receive pusher F. The cylinder C has longitudinal grooves for the matches, and is attached to a swiveled pin in one end, and fastened at the other on an internal projection of cap H. It also has a ratchet, D, in which

works the fixed spring-pawl, to prevent it from turning backward.

The caps G H may be removed and the grooves filled with matches, while a further supply may be kept inside cylinder C. I is a friction-spring, which, in conjunction with guard J, ignites the match as it is thrown out by the pusher, that moves up out of notch *g* below the cylinder C.

What I claim is—

The combination of slotted outer shell A, grooved cylinder C, head G, having notch *g*, head B, provided with friction-outlet I J, and sliding pusher F, all as specified.

Witnesses:

WM. KNOX,  
THOS. KNOX.

J. KNOX.