

E. SAVALAL.
FULMINATE-RIBBON.

No. 173,675.

Patented Feb. 15, 1876.

Fig. 1.

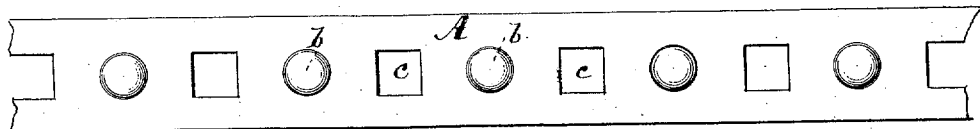


Fig. 2.



Witnesses

John Becker
Geo. Haynes

Edward Savoral
by his Attorney
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UNITED STATES PATENT OFFICE.

EDWARD SAVORAL, OF NEW YORK, N. Y.

IMPROVEMENT IN FULMINATE-RIBBONS.

Specification forming part of Letters Patent No. **173,675**, dated February 15, 1876; application filed September 28, 1875.

To all whom it may concern:

Be it known that I, EDWARD SAVORAL, of New York, in the county and State of New York, have invented an Improvement in Fulminate-Ribbons; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates particularly to fulminate ribbon or tape, such as is used for toy fire-arms, gas-lighting apparatus, and other purposes, but is applicable to fulminate pelleted ribbon of various descriptions, whether made of paper, fibrous material, or metal, and without regard to the particular purpose for which it is used.

The object of my invention is twofold: first, to insure the accurate feeding of the ribbon to the point at which the fulminate is to be exploded; and, second, to prevent the fire from spreading to another pellet when one is exploded. To this end, the invention consists in providing the ribbon with one or more perforations between every two of the fulminate pellets, for engagement with the device employed for feeding the ribbon, and also to prevent the explosion of one pellet from igniting another.

The perforations may be of any such suitable shape and size, and in any suitable number, between the pellets, according to the character of the feeding device.

The accompanying drawing illustrates one mode in which my invention may be carried into effect, Figure 1 being a face view of a fulminated-pelleted ribbon, and Fig. 2 a longitudinal section of the same.

The ribbon A is provided with pellets *b*, attached in the usual or any suitable manner. Between every two pellets a perforation, *c*, is made in the tape. These perforations engage with a toothed feed-wheel, or a pawl, or other device used for feeding the ribbon, by admitting the projecting portion thereof, by which means said projecting portion of the feeding device is prevented from slipping over the surface of the ribbon, and is compelled to feed the same regularly and accurately. By means of these perforations, also, the flame resulting from the explosion of one pellet is prevented from spreading to another.

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

A fulminate pelleted ribbon or tape, provided with perforations between the pellets, substantially as and for the purpose herein described.

EDWARD SAVORAL.

Witnesses:

MICHAEL RYAN,
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