

J. R. SAUNDERS.
CIGARETTE MOUTH-PIECE.

No. 188,543.

Patented March 20, 1877.

Fig. 1.

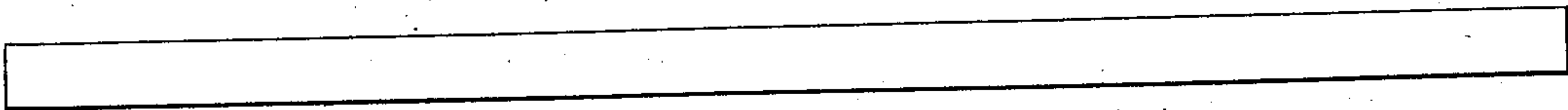


Fig. 2.

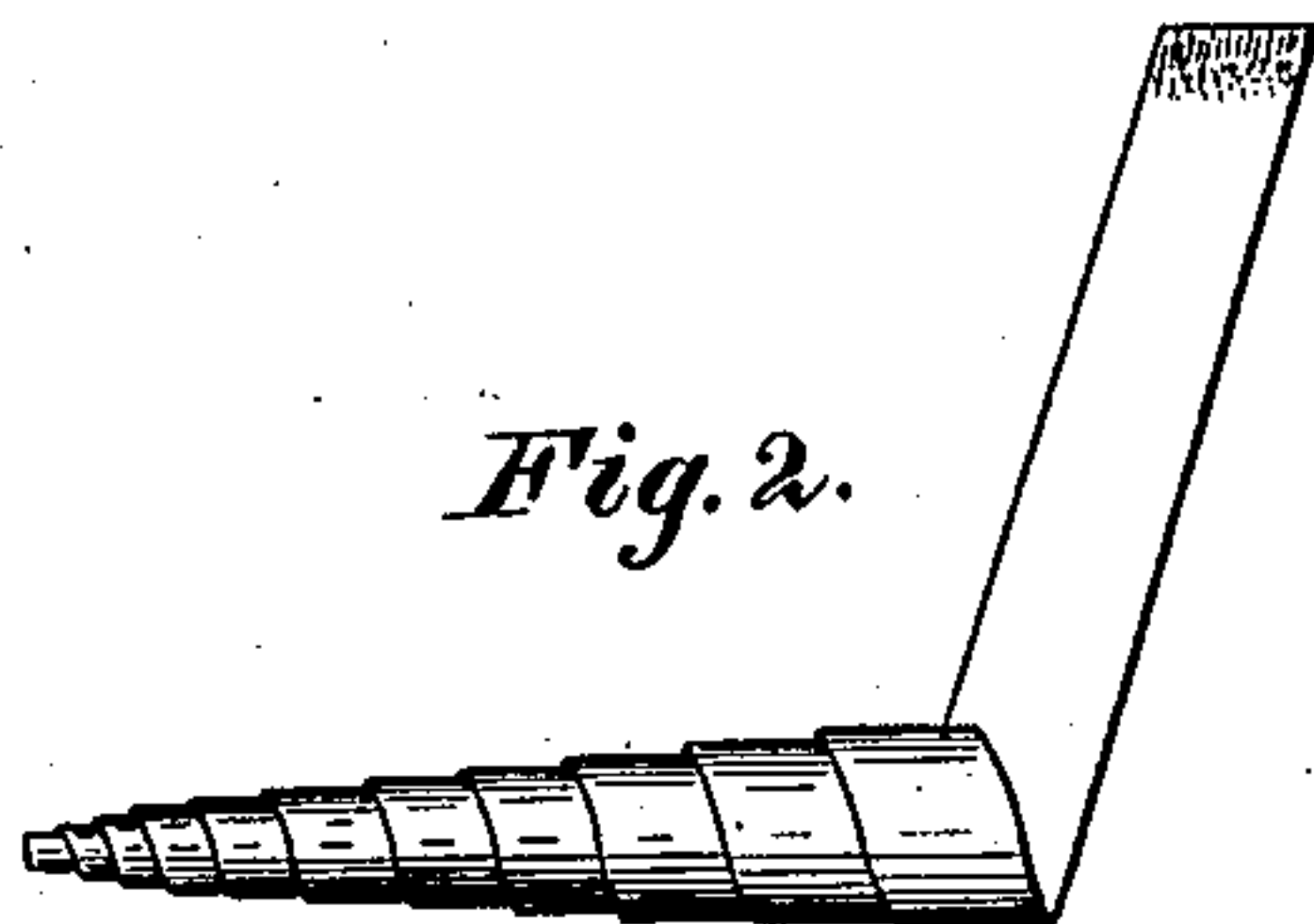


Fig. 3.



WITNESSES

A. B. Caldwell.
Philip F. Larnet.

INVENTOR

James R. Saunders
per C. W. Perkins

ATTORNEY

UNITED STATES PATENT OFFICE.

JAMES R. SAUNDERS, OF NEW YORK, N. Y.

IMPROVEMENT IN CIGARETTE MOUTH-PIECES.

Specification forming part of Letters Patent No. 188,543, dated March 20, 1877; application filed March 9, 1877.

To all whom it may concern:

Be it known that I, JAMES R. SAUNDERS, of the city, county, and State of New York, have invented a new and useful Improvement in Cigarette Mouth-Pieces; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents the blank or strip of paper from which the device is made. Fig. 2 represents the same spirally wound, showing the construction of the conical portion; and Fig. 3 represents the mouth-piece complete.

To enable others to make and use my invention, I will proceed to describe it.

A strip of paper or other suitable material is first cut with parallel sides, as shown in Fig. 1, and then rolled upon a mandrel whose diameter is equal to the smallest internal diameter of the mouth-piece when completed. The external end of the strip is then secured by means of an adhesive substance. A cone-shaped mandrel of a length and diameter equal to the aperture desired is then inserted in the central opening, and several of the interior coils are forced outward a sufficient distance to produce the cone shape and spiral construction shown. To retain the several layers in this position the interior surface is coated with a suitable adhesive solution, which hardens by exposure.

The usual size of this blank or strip from which this device is produced is from ten to fifteen inches in length and about three-fourths of an inch in width. Its size, however, may be varied to produce mouth-pieces of different sizes.

The device may be permanently attached to the end of a cigar or cigarette, or may be placed upon the market independently, and applied by the user.

I am aware that a strip of paper has been cut with a beveled side and wound into a spiral form to produce a central smoke-passage; but such device has been applied in a reversed position, and in connection with other essential parts, to form a complete mouth-piece, and I do not, therefore, claim such construction; but

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

A complete mouth-piece formed of a single strip of paper or other suitable material, cut with parallel sides and formed with a cone-shaped portion spirally wound, substantially in the manner described.

JAMES R. SAUNDERS.

Witnesses:

M. I. DUFFY,
JAS. DIXON.