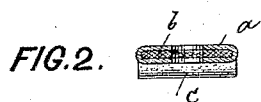
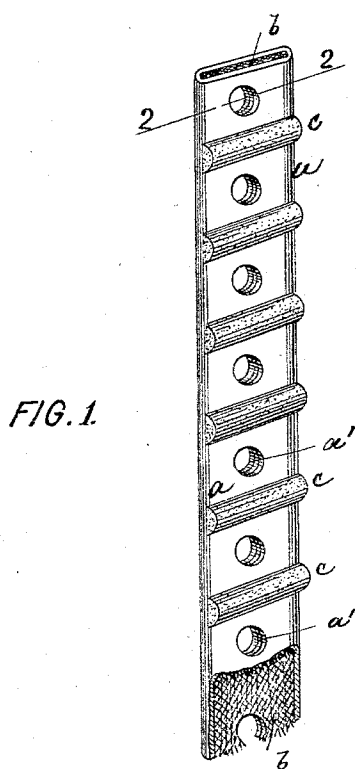


(No Model.)

R. F. COOKE.
MATCH.

No. 563,746.

Patented July 14, 1896.



Witnesses:
John Decker.
Wm. G. Whiting

Inventor:
Robert F. Cooke
by his attorneys
Roeder & Briesen

UNITED STATES PATENT OFFICE.

ROBERT F. COOKE, OF NEW YORK, N. Y., ASSIGNOR TO EDWARD SANDFORD,
OF SAME PLACE, AND EMMA M. COOKE, OF BROOKLYN, NEW YORK.

MATCH.

SPECIFICATION forming part of Letters Patent No. 563,746, dated July 14, 1896.

Application filed March 17, 1896. Serial No. 583,532. (No model.)

To all whom it may concern:

Be it known that I, ROBERT F. COOKE, of New York city, New York, have invented an Improved Match, of which the following is a specification.

This invention relates to a match of the kind which is adapted to be ignited by frictional contact with the firing-pin of a cigar-lighting implement.

The object of the invention is to produce a match which can be easily fed forward and which will readily catch and retain the fire.

In the accompanying drawings, Figure 1 is a perspective view of my improved match.

Fig. 2 is a cross-section on line 2 2, Fig. 1.

My improved match is composed, essentially, of three parts—viz., a flat celluloid tube or jacket, an inclosed wick, and a series of phosphorous pellets secured to the jacket.

The letter *a* represents a flat tube or jacket made of celluloid and provided with a number of equidistant perforations *a'*, adapted to be engaged by the feed-finger of a cigar-lighting implement. Within the tube *a* there is confined a wick *b*, made preferably of textile material and saturated with wax. To one of

the outer sides of tube *a* are secured, between the perforations *a'*, the phosphorous pellets *c*, arranged preferably in the form of parallel ridges.

When the pellets *c* are ignited by frictional contact with the firing-pin of the lighting implement, they will ignite the celluloid tube *a*, which will flash up quickly, and in turn ignite the wick *b*. Thus it will be seen that the celluloid tube serves to catch the fire and transmit it to the wick, which in turn serves to sustain the fire. Moreover, the celluloid tube serves to impart the necessary rigidity to the entire match, which enables it to be properly grasped and fed along by the feed-pin of the lighting implement.

What I claim is—

A match composed of a wick, a surrounding celluloid jacket and of phosphorous pellets secured to the outer side of such jacket, substantially as specified.

R. F. COOKE.

Witnesses:

F. V. BRIESEN,
W. G. WHITING.