



GUSTAV GRAETZ, OF ALEXANDRIA, VIRGINIA.

Letters Patent No. 84,821, dated December 8, 1868.

IMPROVED MATCH FOR LIGHTING CIGARS, AND FOR OTHER PURPOSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GUSTAV GRAETZ, of city and county of Alexandria, and State of Virginia, have invented a new and useful Improvement in Matches; and I do hereby declare the following to be a clear and exact description of my invention, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and use the same.

In carrying out my invention, I employ a disk or piece of tinder, fire-sponge, or other like combustible article, which will readily take fire, and not be extinguished by wind.

Through this disk I insert a stem, of either wood or iron, or any other suitable material. The disk is, therefore, readily held for lighting-purposes. I then dip the outer face of the disk with phosphorus, or equivalent fulminate, and thereby complete the match.

It will be found useful for many purposes, especially

in lighting cigars and fuses. In the former case, the stem is pressed into the end of the cigar, and the cigar taken hold of and operated as an ordinary match.

The stem is unnecessary for lighting pipes, but may be employed if desired.

Other uses for the match will suggest themselves hereafter.

Having thus described my invention,

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

A match, constructed substantially as described.

The above signed by me, this 6th day of November, 1868.

GUSTAV GRAETZ.

Witnesses:

JOHN A. WIEDERSHEIM,
PHIL. F. LARNER.