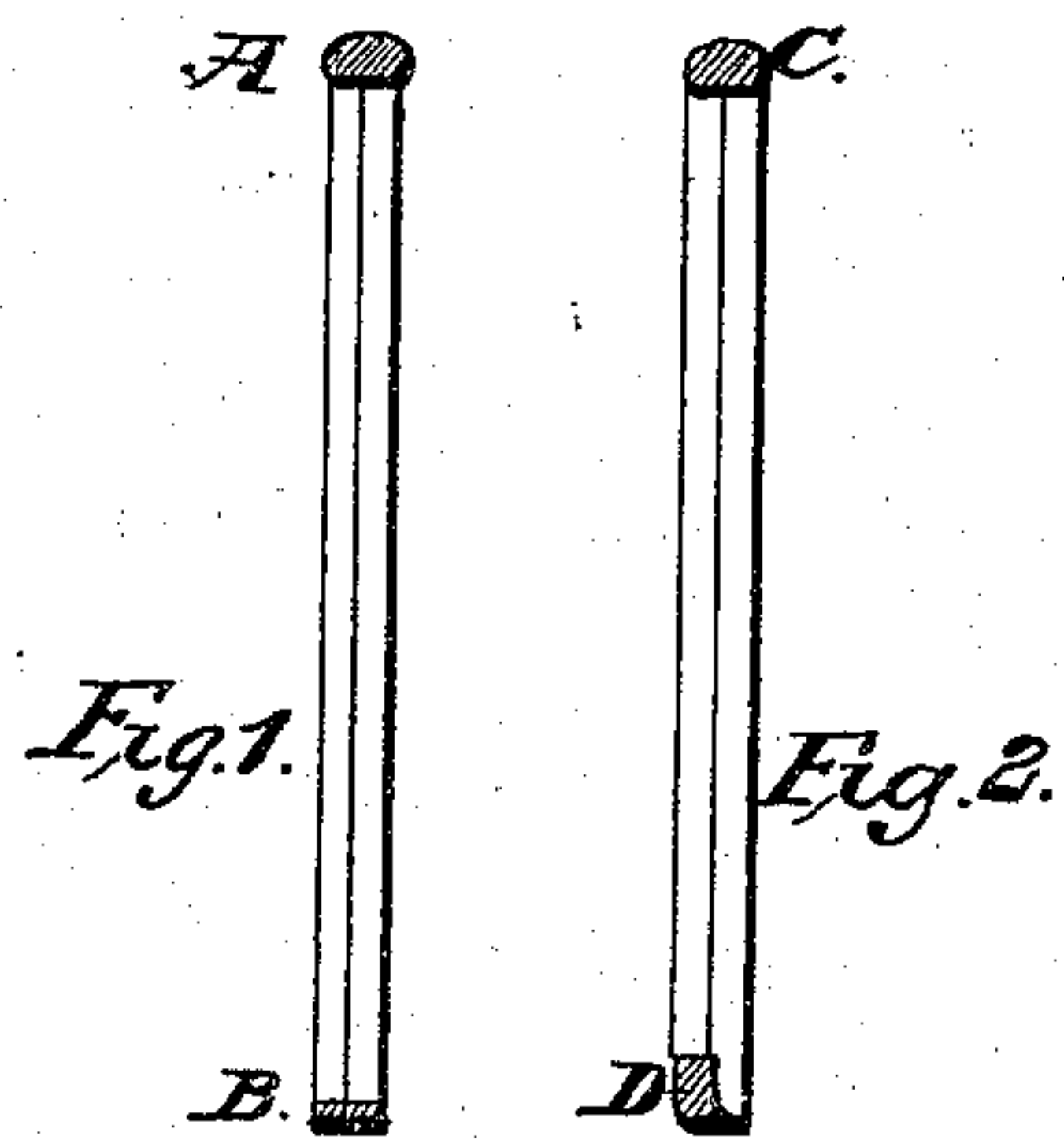


S. C. MOORE.  
FRICTION MATCH.

No. 47,848.

Patented May 23, 1865.



Witnesses:

Chas. Hoadway  
John C. Burch.

Inventor:

Samuel C. Moore  
By his Attorney J. Dumas Jr.

# UNITED STATES PATENT OFFICE.

SAMUEL C. MOORE, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN FRICTION-MATCHES.

Specification forming part of Letters Patent No. 47,848, dated May 23, 1865.

*To all whom it may concern:*

Be it known that I, SAMUEL C. MOORE, of Boston, county of Suffolk, State of Massachusetts, have invented a new, useful, and Improved Match; and I do hereby declare that the following specification and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements, without further invention or experiment.

The nature of my invention and improvements in matches consists in putting the lighting or burning substance on one end or side of the splint or match and the igniting substance on the other end or side of the splint or match, so that the splint or match may be broken in two, and the lighting or burning end rubbed or scratched on the igniting end, to fire the match or light it, thereby making an improved match, which may be lighted on its own stock without defacing walls, paper, or paint, and when carried in the pocket can be lighted without seeking some other place or substance to rub or scratch the match on to light it—in fact, making a self-lighting match or a match lighted upon itself.

In the accompanying drawings, Figure 1 shows a match with the lighting or burning substance on the end A and the igniting substance on the end B. Fig. 2 shows a match with the lighting or burning substance on the end C and the igniting substance on the side of the opposite end at D.

These matches may be made with the usual or common compositions used for making matches to light by friction, and the igniting material may be composed of sand or emery and glue or other cement which will answer

the purpose. If the match-splints are round the entire end or one side of the splint may be covered for a little ways with the igniting material.

In making these matches the material at the lighting and burning end may be of a different color from the material at the igniting end or side, so that the user may know before lighting which end will burn. Or the ends may be distinguished by the difference in quantity, if both are of the same color.

The splints of my improved friction-matches may be creased and partially broken or partially cut off about one-fourth of their length from the lighting end, so that they will break readily in that particular place where they are so broken or cut.

Safety-matches may be made in my improved way and manner, and so that they will only light on a rubber or surface specially and chemically prepared for that purpose, by using the ingredients and compositions described in the United States patent granted to J. W. Hjerpe, of Stockholm, in Sweden, No. 40,259, and dated October 13, 1863, or by the use of such other ingredients or compositions as will answer the purpose.

What I claim as my invention and improvement in matches is—

Putting the lighting or burning substance on one end or side of the splint or match and the lighting or igniting substance on the other end or side of the splint or match, substantially as described.

SAMUEL C. MOORE.

Witnesses:

SAML. W. CREECH, Jr.,  
B. E. PERRY.