

UNITED STATES PATENT OFFICE.

HARRY ALLDAY, OF BIRMINGHAM, ENGLAND.

MATCH-STRIKING COMPOSITION.

SPECIFICATION forming part of Letters Patent No. 579,913, dated March 30, 1897.

Application filed August 8, 1896. Serial No. 802,179. (No specimens.) Patented in England May 12, 1896, No. 10,041.

To all whom it may concern:

Be it known that I, HARRY ALLDAY, manufacturing jeweler, a subject of the Queen of Great Britain, residing at Warstone Lane, in the city of Birmingham, England, have invented a certain new and useful Match-Striker, of which the following is a specification, and for which Letters Patent of Great Britain have been granted to me bearing date 10 of May 12, 1896, and numbered 10,041.

This invention relates to the striker parts of match-boxes; also, to match-strikers applicable for use in dressing-cases, upon inkstands, blotters, smoking-tables, and the like; also, in railway-carriages, public and private vehicles, public and private buildings and apartments, and for other uses, and has for its object a positive and practically indestructible striker applicable for striking, differently, both ordinary vestas and lucifer matches, and also "safety-matches," or those matches of the Bryant and May type which only strike upon the specially-prepared striking-strips of the boxes in which they are sold.

My said invention consists in the employment of a solid composition made up, primarily, of phosphorus (preferably amorphous phosphorus) and emery, or some similar frictional material combined with and consolidated by gum-thus, which will produce the necessary cohesion.

Thus in carrying out one form of my invention I take nine parts by weight of phosphorus and twelve parts by weight of emery and mix the same together with four parts by weight of gum-thus into a homogeneous

mass, which while in a soft state or pasty condition is rolled out flat to any desired thickness; from which slabs, panels, or the like are cut, and which when dried and hardened are used alone as match-strikers by being cemented or otherwise connected to a wall or other surface, or by being let within a recess formed in a match-box, inkstand, or other article.

It is understood that in the consolidated match-striker thus produced the phosphorus is employed for striking safety-matches, while the emery or gritty substance is for striking ordinary matches, while the gum-thus is for the purpose of producing the necessary cohesion between the phosphorus and emery.

It is obvious that instead of employing emery I may employ any analogous gritty substance, such as sand, powdered glass or stone, chalk, pulverized metal, or the like.

Having fully described my invention, what I desire to claim and secure by Letters Patent is—

A match-striking composition consisting of phosphorus and gritty matter bound together by gum-thus, substantially as described and for the purpose specified.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HARRY ALLDAY.

Witnesses:

HENRY SKERRETT,
ARTHUR T. SADLER.