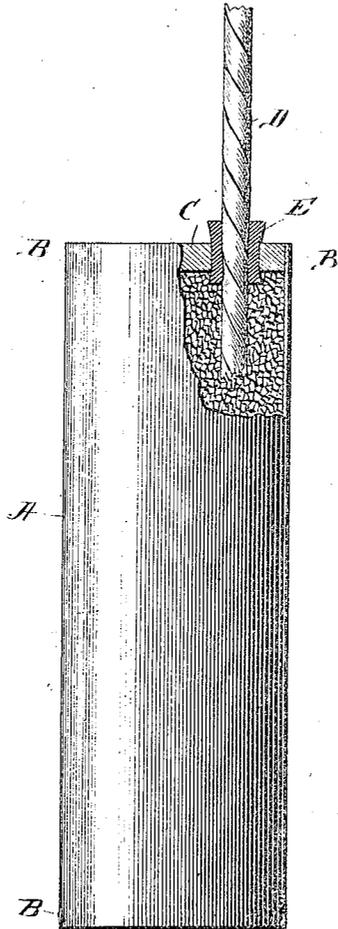


(No Model.)

G. M. PETERS.
BLASTING CARTRIDGE.

No. 511,792.

Patented Jan. 2, 1894.



Witnesses:

Wm. M. Rheem

J. Lawrence Garry

Inventor:

Gursham Moore Peters

By Hall and Brown

Attys

UNITED STATES PATENT OFFICE.

GERSHOM MOORE PETERS, OF CINCINNATI, OHIO.

BLASTING-CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 511,792, dated January 2, 1894.

Application filed June 13, 1891. Serial No. 396,104. (No model.)

To all whom it may concern:

Be it known that I, GERSHOM MOORE PETERS, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Blasting-Cartridges, of which the following is a specification.

This invention relates to blasting cartridges, and, it consists in the construction substantially as hereinafter described and claimed.

The drawing represents a side elevation, partly in section of the blasting cartridge and the arrangement of the fuse therein.

The case of the cartridge is designated by the letter A, and it may be made of any suitable material, and of any proper shape, but is preferably of cylindrical shape and composed of waterproof paper or similar substance. The ends of the case may be closed by disks, preferably of heavy straw or cardboard cut to closely fit the internal diameter of the case, and secured thereto by glue or waterproof cement specially prepared. Instead of connecting the disks to the case in the above described manner, which is the one I prefer, it is obvious that they may be secured thereto in any other suitable manner. One of the disks, designated by the letter C, and called the head has an aperture cut through it, by means of a punch, or rather, the stroke of the punch is arrested before it is entirely finished, so that the material being punched out is only partially pushed out and remains to form what may be termed a removable stopper which closes the aperture during the transportation of the package, and until it is desired to use the cartridge.

The blasting cartridge constructed as described is of a simple and economical kind, and, yet, it is found in practice that it is very efficient and in use may be shipped great distances with facility and safety. It is obvious that after removing the stopper, the cartridge may be used either with a safety fuse, or blasting barrel, or electric fuse, but in this instance my invention relates to the use of such cartridge with a safety fuse, the generic use being described and claimed in a companion application executed and filed of even date herewith.

The letter E designates a plug of cork, rubber or other suitable material, which is provided with a hole therethrough for admitting the passage of a safety fuse, D. The fuse is first passed through the hole in the plug, and then the latter is pressed into the aperture so firmly as to compress tightly about the fuse and make a water tight connection.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

A blasting cartridge comprising a case, and a head having an aperture therethrough in combination with a removable plug of elastic material having an opening through it, fitting within the aperture of and supported by the head and a safety fuse passing through said opening in the plug and compressed tightly therein, substantially as and for the purpose set forth.

GERSHOM MOORE PETERS.

Witnesses:

FRED C. TUTTLE,
LINDOL R. MYERS.