

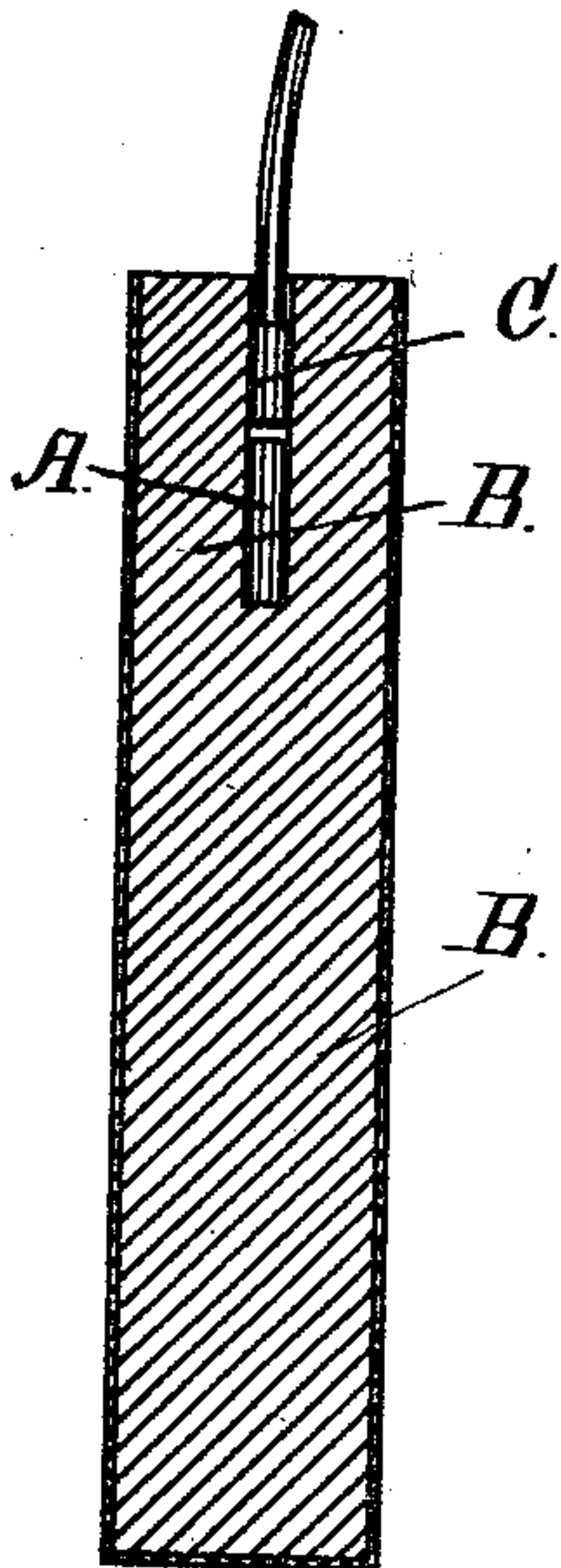
(No Model.)

T. PRICE.

COMPOSITION FOR NEUTRALIZING FUMES OF EXPLOSIVES.

No. 354,345.

Patented Dec. 14, 1886.



Witnesses:

Wm Mayer
Joseph E. Ford

Inventor:

Thomas Price
C. M. Smith
Att'y.

By

UNITED STATES PATENT OFFICE.

THOMAS PRICE, OF SAN FRANCISCO, CALIFORNIA.

COMPOSITION FOR NEUTRALIZING FUMES OF EXPLOSIVES.

SPECIFICATION forming part of Letters Patent No. 354,345, dated December 14, 1926.

Application filed December 7, 1925. Serial No. 181,938. (No specimens.)

To all whom it may concern:

Be it known that I, THOMAS PRICE, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Means for Neutralizing the Fumes from the Explosion of High-Explosive Compounds, of which the following is a specification.

It is a well-known fact that heretofore in the use of nitro-glycerine and other explosive compounds a considerable lapse of time must take place after the explosion before the miner can enter the mine with safety, owing mainly to the nauseating fumes evolved from such explosions; hence the object of my invention is to so neutralize these obnoxious fumes as to admit of an immediate entrance into the mine as soon as the explosion has taken place, and without nauseating or having any injurious effect upon the person or persons so entering. With this end in view I employ a small tube composed of thin metal or other material capable of being easily affected by percussion or concussion. I fill this tube with carbonate of ammonia, urate of ammonia, solution of chloride of ammonia, lime, and sulphate of iron, capable of being decomposed or vaporized in the presence of heat, either in a solid or liquid state. The proportion in which said ingredients are used is two drams of each.

In the accompanying drawing, forming a part of this specification, a cartridge is shown embodying my invention.

The tube or capsule A so containing the

agent is hermetically sealed and placed within the cartridge B, composed of nitro-glycerine or other explosive compound, just beneath the percussion-cap C, by which the cartridge is exploded, so that at the time the detonation or explosion of the cartridge takes place the tube or capsule will be disrupted and the contents decomposed and a neutralizing vapor from the decomposed agent be evolved and saturate the fumes generated by the exploded cartridge, clearing up the atmosphere and neutralizing the gases, so that occupation of the compartment or mine may take place at once without nausea or injury to the person or persons so entering. By this means much time will be saved, as the workmen can enter upon their labor immediately after the explosion takes place.

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

The composition herein described for neutralizing the fumes generated by the explosion of nitro-glycerine or other high-explosive compounds, consisting of carbonate of ammonia, urate of ammonia, lime, and sulphate of iron, in the proportions described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

THOMAS PRICE. [L. S.]

Witnesses:

C. W. M. SMITH,
JOSEPH E. FORD.