

B. C. ENGLISH.
Cartridge.

No. 2,425. }
No. 33,429. }

Patented Oct. 8, 1861.

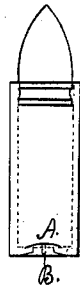


Fig. 1.

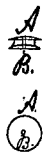


Fig. 2.

B. C. English

*Witness
George S. Lee
Wm. W. Goody*

UNITED STATES PATENT OFFICE.

B. C. ENGLISH, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN CARTRIDGE-CASES.

Specification forming part of Letters Patent No. **33,429**, dated October 8, 1861.

To all whom it may concern:

Be it known that I, B. C. ENGLISH, of Hartford, county of Hartford, and State of Connecticut, have invented a new and useful improvement upon the cartridge-case invented and patented by Gilbert Smith, Patent No. 17,702; and I do hereby declare that the following is a full description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists of providing the cartridge-case with a metallic bushing, to the vent or point of ignition, for the purpose of preventing the cartridge-case from being rendered unserviceable by the enlargement of the vent, consequent upon the action of the fire, at every discharge.

Figure 1 of the accompanying drawings represents a cartridge-case complete, with the

metallic bushing A. B is the vent or hole through which the fire passes to ignite the charge.

Fig. 2 is the metallic bushing separate from the cartridge-case. This can be made of any metallic substance capable of withstanding the action of the flame as thrown through it from the cap or primer.

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

The application and use of a metallic bushing to the india-rubber cartridge-case patented by Gilbert Smith, patent 17,702, for the purposes herein described and set forth.

B. C. ENGLISH.

Witnesses:

WM. W. GOWDY,
GEORGE G. SILL.