

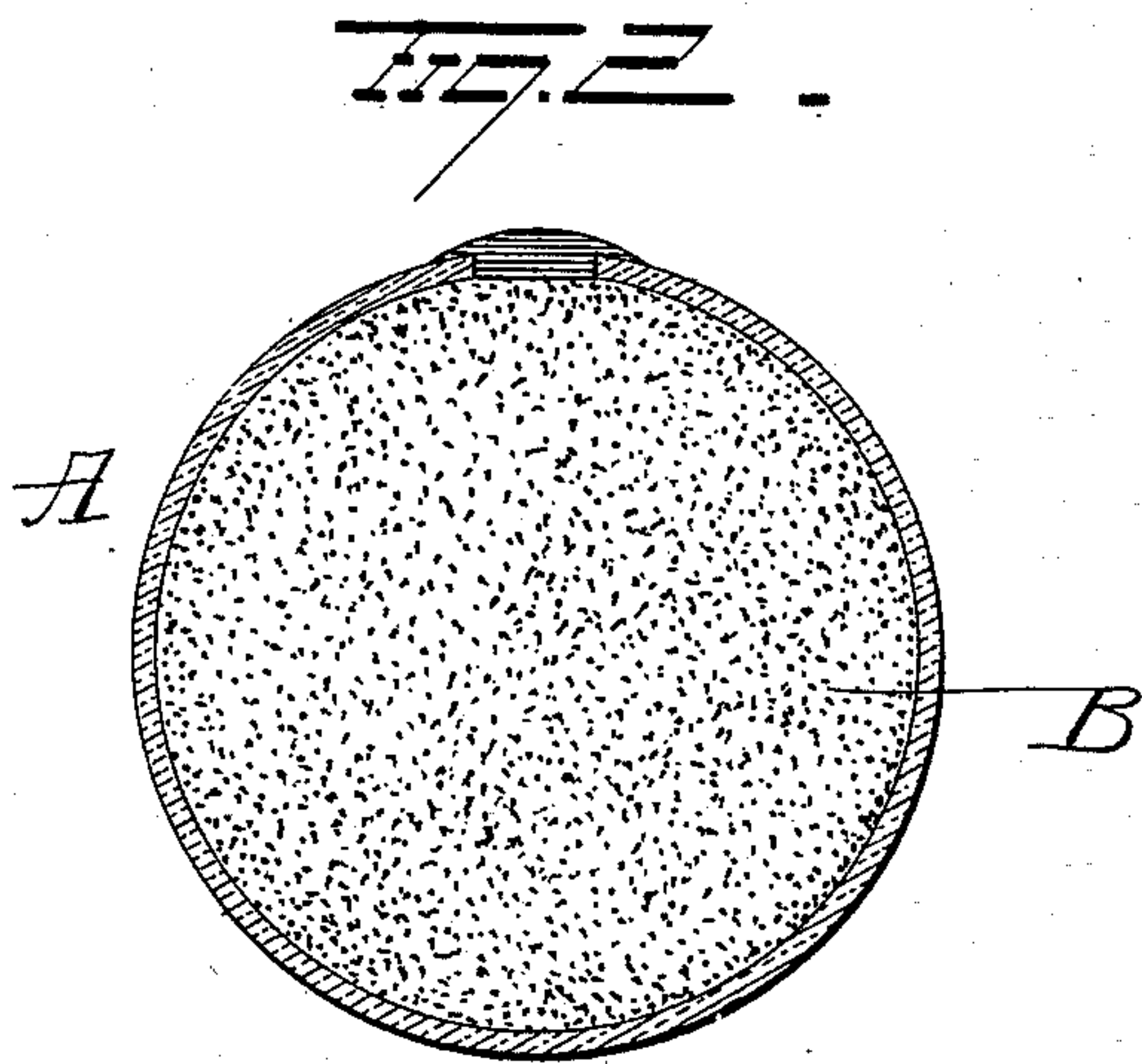
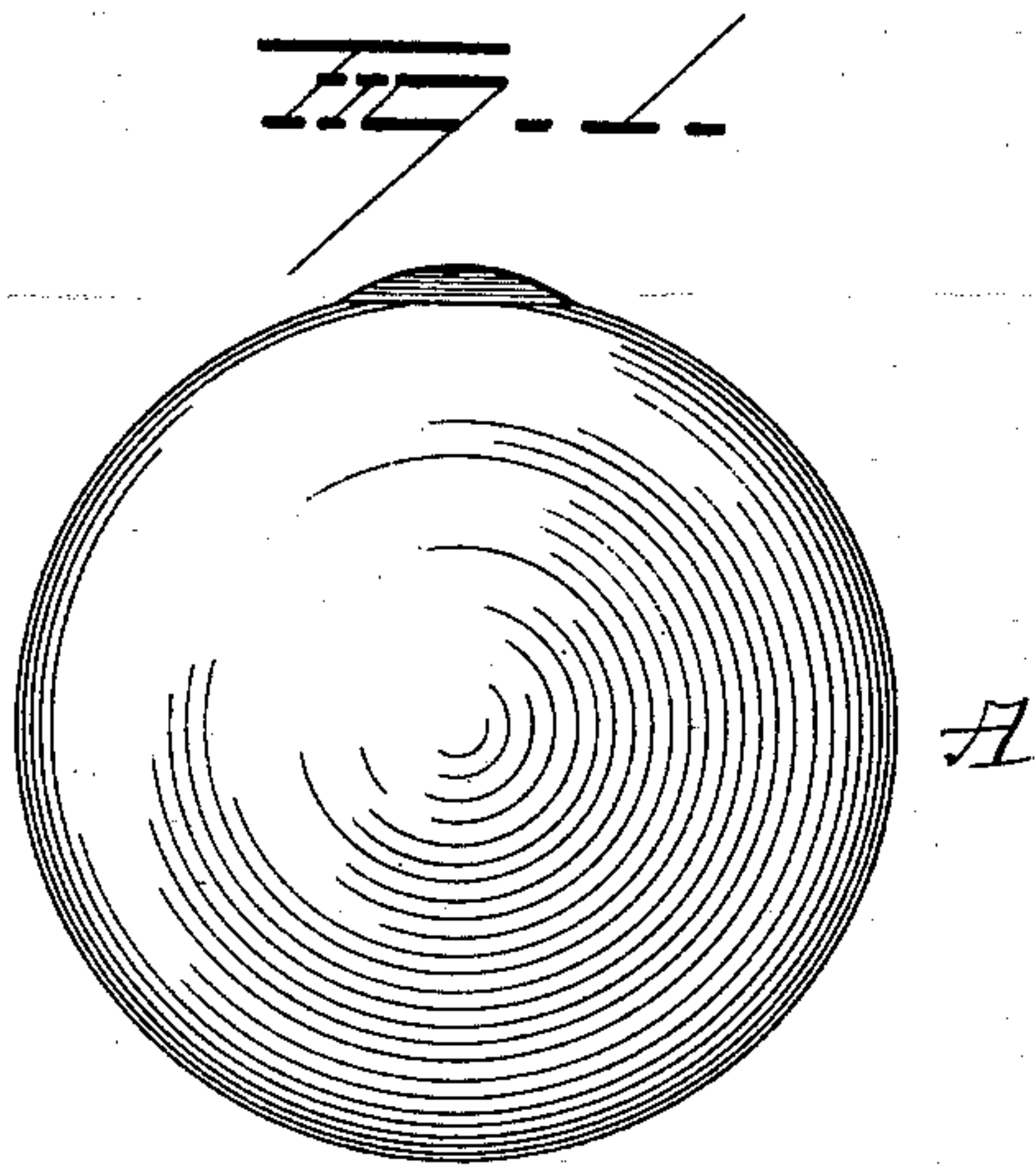
No. 637,681.

Patented Nov. 21, 1899.

T. G. TURNER.  
CARBID CARTRIDGE.

(Application filed Apr. 22, 1899.)

(No Model.)



WITNESSES

E. J. Nottingham  
G. F. Downing.

INVENTOR

T. G. Turner  
By H. A. Seymour  
Attorney

# UNITED STATES PATENT OFFICE.

THOMAS G. TURNER, OF NEW YORK, N. Y.

## CARBID-CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 637,681, dated November 21, 1899.

Application filed April 22, 1899. Serial No. 714,129. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS G. TURNER, of New York, in the county of New York and State of New York, have invented certain new  
5 and useful Improvements in Means for Shipping and Handling Calcium Carbid; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to  
10 which it appertains to make and use the same.

My invention relates to an improvement in means for shipping and handling calcium carbid, the object of the invention being to so construct a package of calcium carbid as to  
15 effectually obviate all possibility of deterioration of the carbid during transit or while in storage and to exclude all moisture from the carbid and which can be deposited in a tightly-sealed condition into an acetylene-gas generator, there to be automatically mutilated to  
20 liberate the carbid.

A further object is to provide means whereby calcium carbid can be sealed, so as to be impervious to moisture from the time it leaves  
25 the manufacturer until the moment it is subjected to the action of water in an acetylene-gas generator.

With these objects in view the invention consists in certain novel features of construction, as hereinafter set forth, and pointed out  
30 in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my invention. Fig. 2 is a sectional view.

35 A represents a container, which may be made of glass or other fragile or frangible material and which may have spherical or other shape. Within this glass ball the calcium carbid B is placed by the manufacturer  
40 of the latter and hermetically sealed. The

package thus constructed will be impervious to moisture and can therefore be shipped and stored without danger to property, which might occur were moisture or water permitted to reach the carbid.

45 Much objection has been urged against the storing of calcium carbid by insurance companies, railroads, and city governments on account of the great danger to which property might be subjected in case of fire, where  
50 the water employed to extinguish the fire would attack the carbid and generate gas, which would feed the flames. My improvement obviates these objections and renders the handling and storage of calcium carbid  
55 perfectly safe. Furthermore, the carbid can be subjected to an acetylene-gas generator in the original fire and water proof package, the fragile container being broken by falling upon a breaker located within the generator.  
60

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

1. As a new article of manufacture, a package for use in making gas, consisting of a wa-  
65 ter and fire proof hollow body of fragile material and gas-producing material sealed within said hollow body.

2. As a new article of manufacture, a package for use in the manufacture of acetylene  
70 gas consisting of a hollow body of fragile material and calcium carbid within said fragile body.

In testimony whereof I have signed this specification in the presence of two subscrib-  
75 ing witnesses.

THOMAS G. TURNER.

Witnesses:

R. S. FERGUSON,  
C. S. DRURY.