

(No Model.)

C. NELSON.

WATER PROOF WAFER FOR TORPEDOES.

No. 299,837.

Patented June 3, 1884.

Fig. 1.

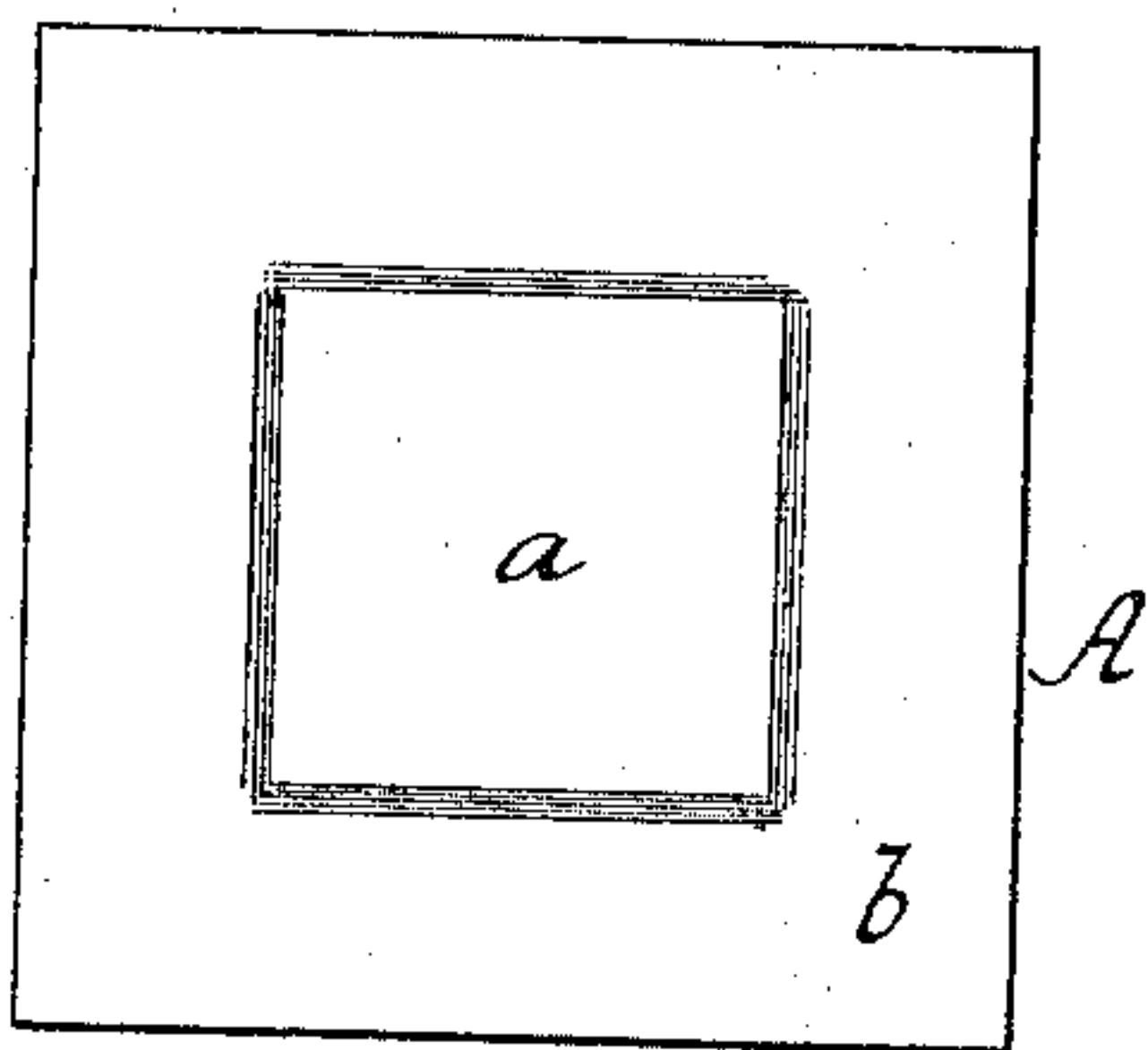
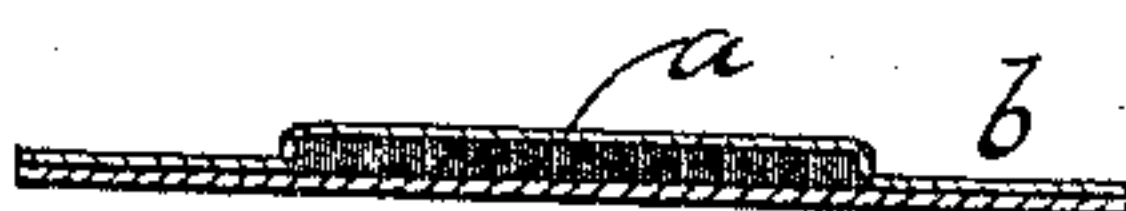


Fig. 2.



WITNESSES:

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WATER-PROOF WAFER FOR TORPEDOES.

SPECIFICATION forming part of Letters Patent No. 299,837, dated June 3, 1884.

Application filed November 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES NELSON, a citizen of the United States, residing at East New York, in the county of Kings and State of New York, have invented new and useful Improvements in Torpedoes, of which the following is a specification.

This invention relates to an improvement in that class of toy torpedoes which I have described in Letters Patent No. 136,000, granted to me February 18, 1873, and reissued March 17, 1876, in two divisions, Nos. 7,015 and 7,016.

My present improvement consists in a wafer for toy torpedoes made water-proof by inclosing the fulminate in a flexible or yielding integument impervious to moisture.

In the accompanying drawings, Figure 1 represents a plan or face view of my wafer on an enlarged scale. Fig. 2 is a transverse section of the same.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the wafer of a toy torpedo of that class in which the gravel and other filling is separated from the fulminate, as described in the patents above named, particularly in the Reissued Patent No. 7,015. Said wafer is composed of the fulminate *a* and the water-proof integument *b*.

In the example shown in the drawings this integument consists of two sheets or layers of tin-foil, or of a water-proof textile material; but said integument can be made of any other material suitable for the purpose and impervious to water. In all cases, however, the integument must be sufficiently yielding or flexible to permit the fulminate to explode by the concussion when the torpedo is designedly thrown or fired.

By using a wafer of this class my torpedoes are not liable to become inoperative by moisture to which they may be exposed in transportation or otherwise.

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

As a new article of manufacture, a wafer for toy torpedoes made water-proof by inclosing the fulminate in a flexible or yielding integument impervious to moisture, substantially as described.

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

CHAS. NELSON. [L. s.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.