F. A. FERRIS.

METALLIC SEAL.

No. 191,328. Patented May 29, 1877.

Fig. 1.

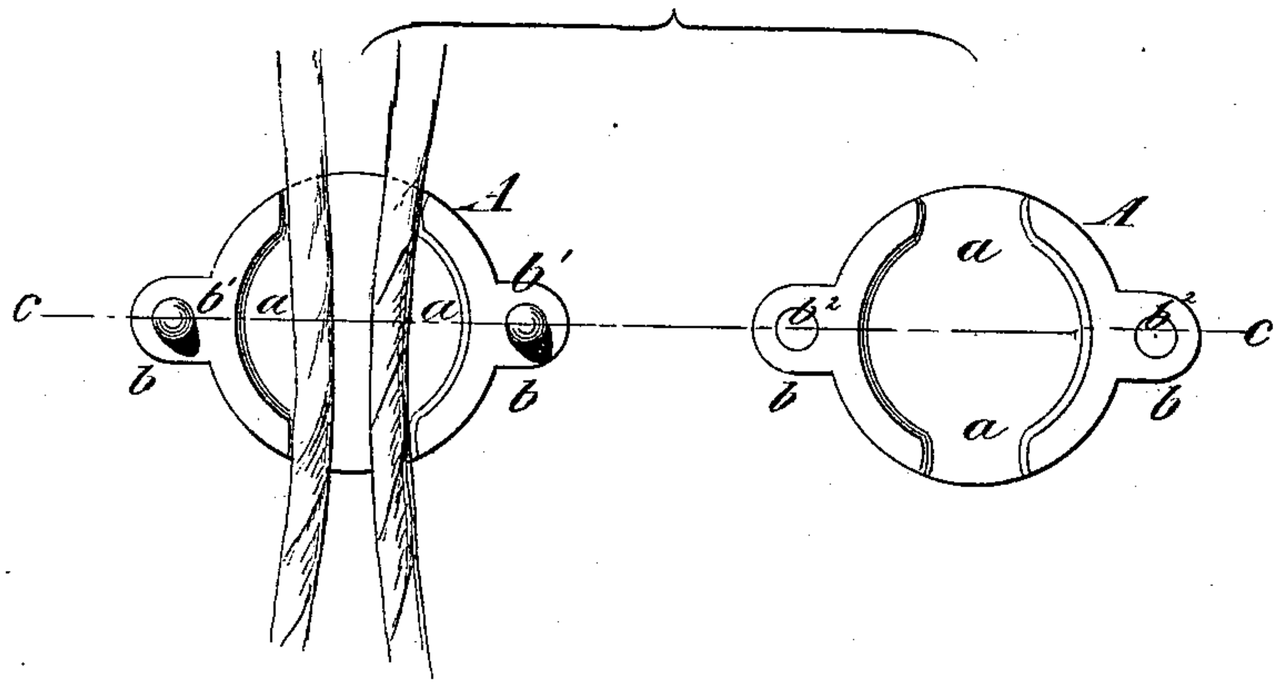
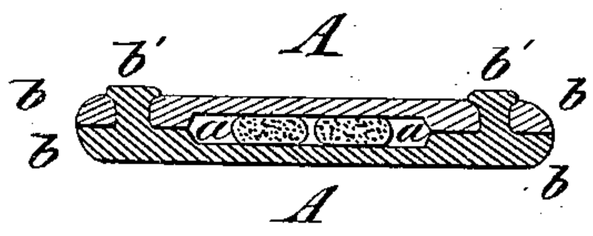


Fig. 2.



WITNESSES:

Gustave Dietrich

J. H. Scarborough.

INVENTOR:

F. A. Ferris.

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANK A. FERRIS, OF NEW YORK, N. Y.

IMPROVEMENT IN METALLIC SEALS.

Specification forming part of Letters Patent No. **191,828**, dated May 29, 1877; application filed April 30, 1877.

To all whom it may concern:

Be it known that I, FRANK A. FERRIS, of the city, county, and State of New York, have invented a new and Improved Metallic Seal, of which the following is a specification:

The object of my invention is to provide a metallic seal for the various commercial and other purposes that is readily and conveniently applied and securely retained on the strings which are to be connected thereby.

The invention consists of two semi-sections or shells of corresponding shape, having recesses for the strings on the inner sides, facing each other, and being attached by studs of one section passing through perforations of the other section, which studs are then spread or flattened to connect the sections.

In the accompanying drawings, Figure 1 represents inside views of the semi-sections of which my seal is composed; and Figure 2 is a vertical central section of the same on line *c c*, Fig. 1, showing the sections united and attached to the strings to be sealed.

Similar letters of reference indicate corresponding parts.

A A are the semi-sections or shells, of round, oval, or any other suitable shape, and cast, pressed, or stamped of lead or any other metal. The semi-sections A A are made of corresponding shape, and provided with recesses *a* for the strings at their inner sides, the exterior sides being, one or both, cast or stamped with the name of the firm, corporation, or person employing the seal.

The shells A may be made with extension lugs or ears *b*, of which those of one shell carry studs or pins b^1 that pass through corresponding holes b^2 of the ears of the other shell.

The studs and perforations may, however, be arranged in the body of the sections near the circumference, but at diametrically-opposite points, and at right angles, or nearly so, to the direction of the strings to which the seals are applied.

When the seals are to be fastened to the strings the sections are placed at both sides of the same, so that the strings are seated in the recesses of the shells, the studs of one section being passed through the perforations of the other section, and then compressed, by pinchers or other suitable implements, so that the ends of the studs spread and bind tightly on the perforated section, as shown in Fig. 2.

The seal-sections are thus united in an instant in a very convenient manner, and are attached tightly to each other, and either tightly or loosely to the strings, as required, the recesses being of greater or less depth, and proportioned to the thickness of the strings as required.

The seal presents a neat and finished appearance, and is, on account of its quick and easy application, superior to the clumsy and slowly-applied plumb-seal heretofore in general use.

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

A metallic seal, composed of two semi-sections or shells of corresponding shape, provided with recesses at the inner sides, and united at points sidewise of the strings, substantially in the manner and for the purpose set forth.

FRANK A. FERRIS.

Witnesses:
O. W. CLASSEY,
JAMES H. HUNTER.