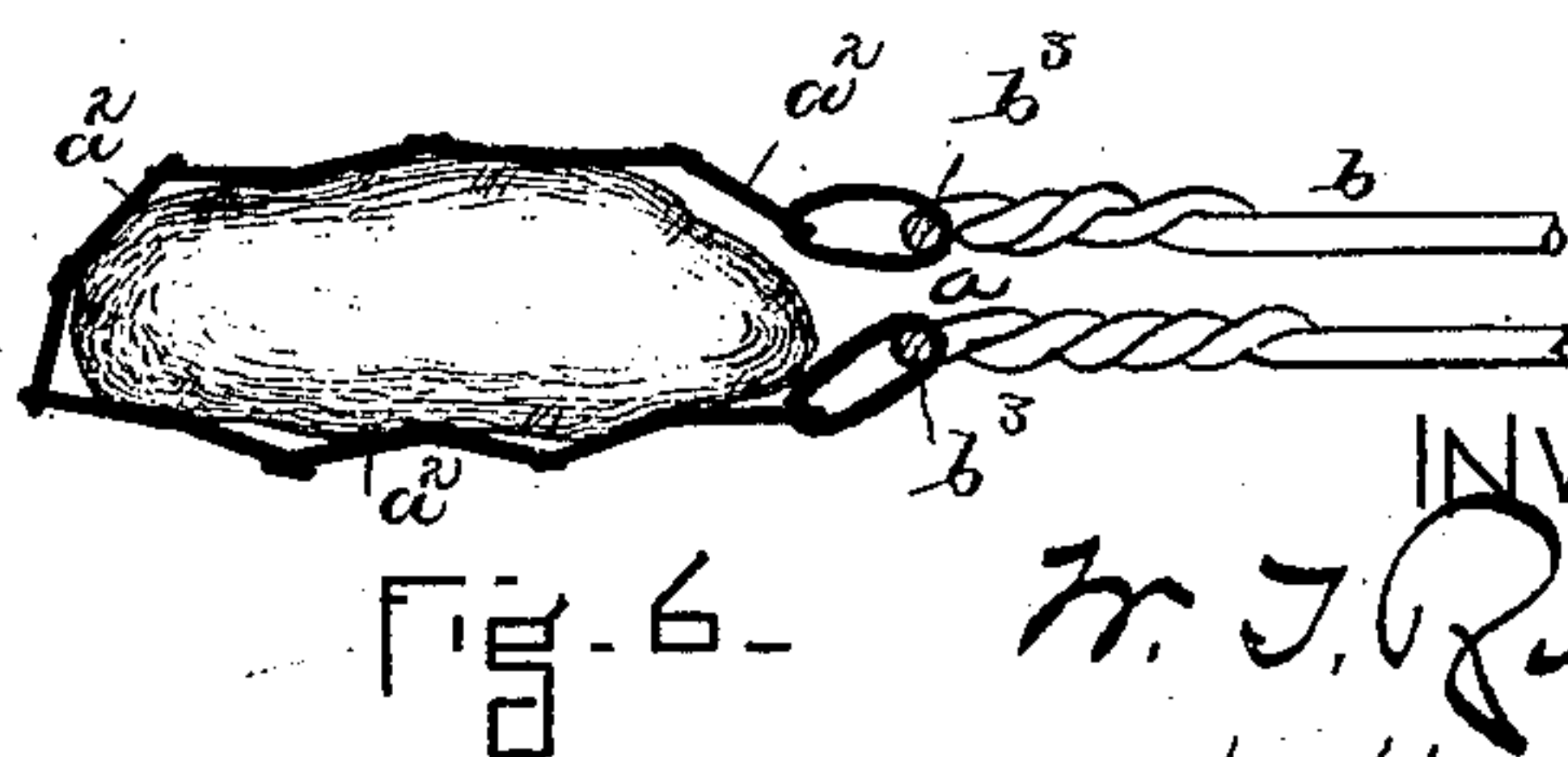
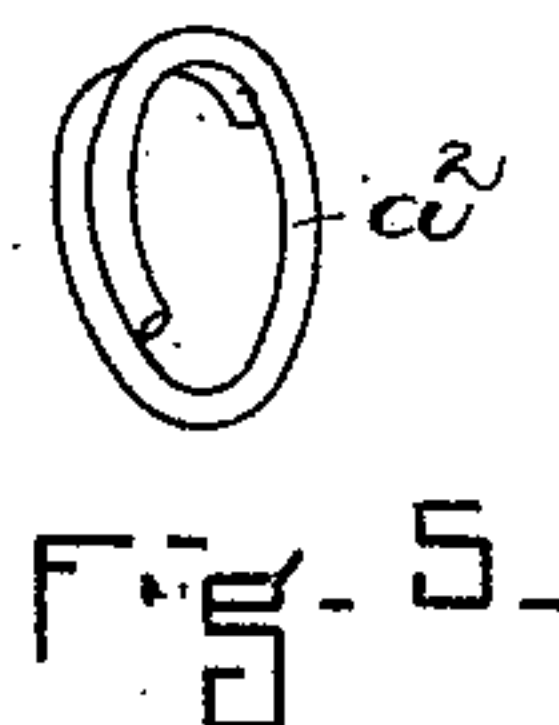
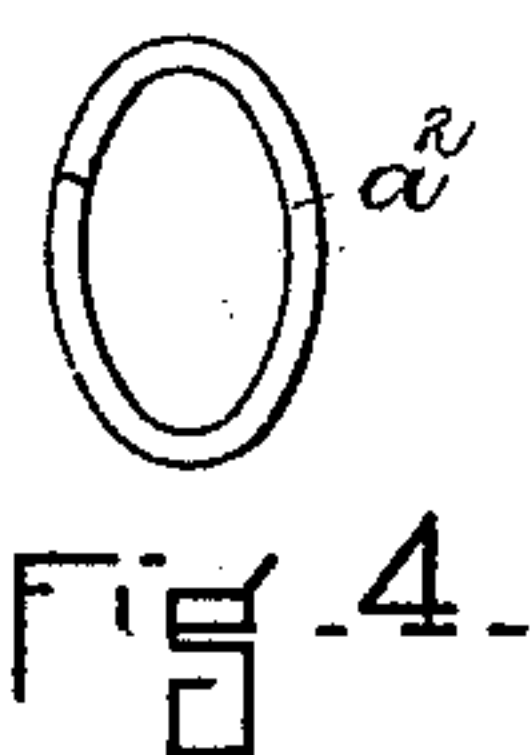
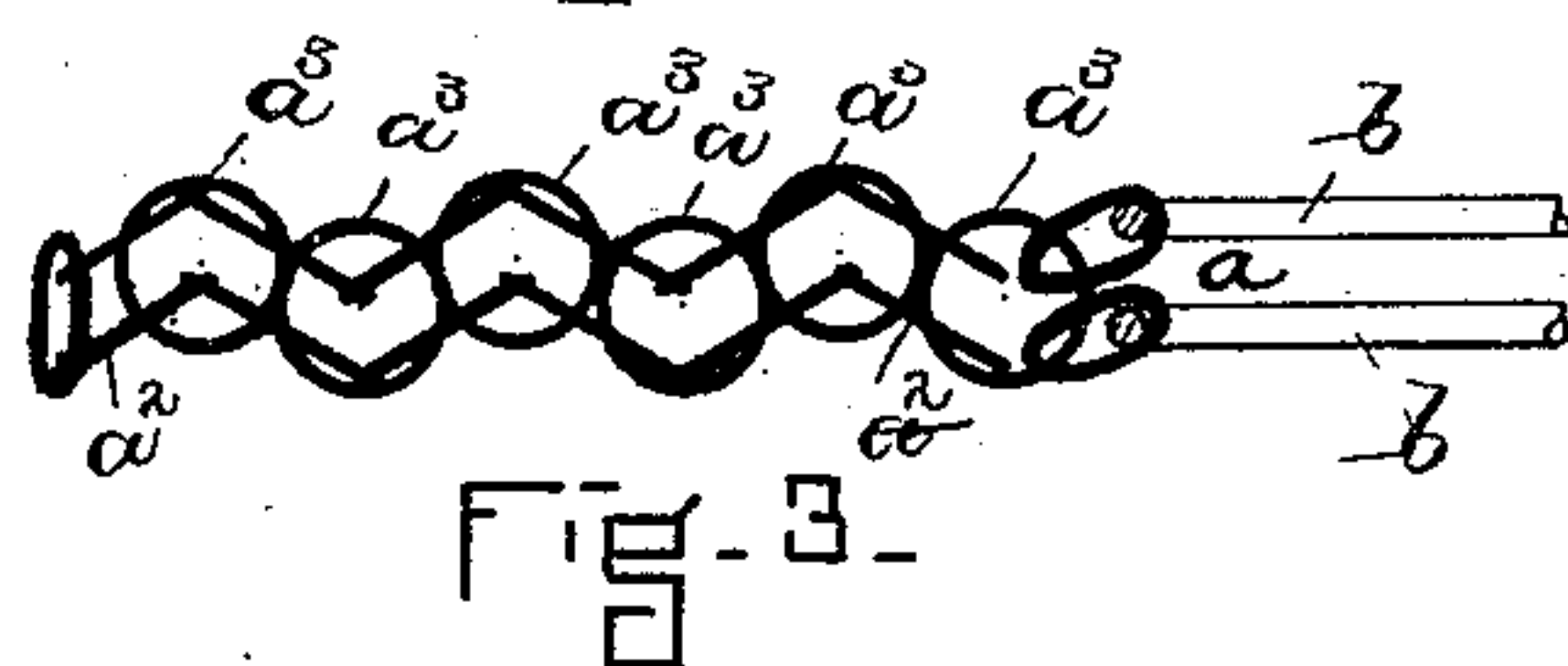
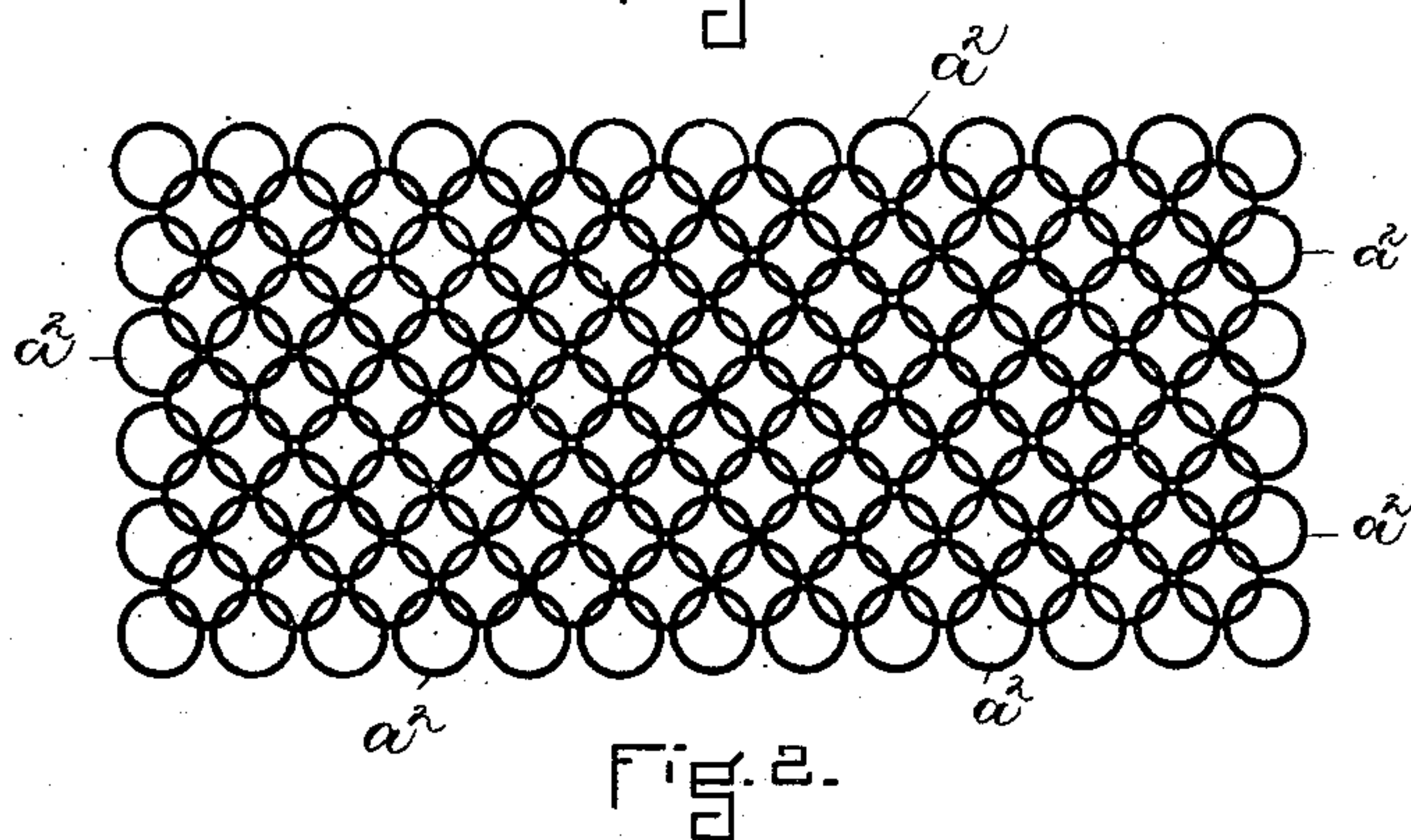
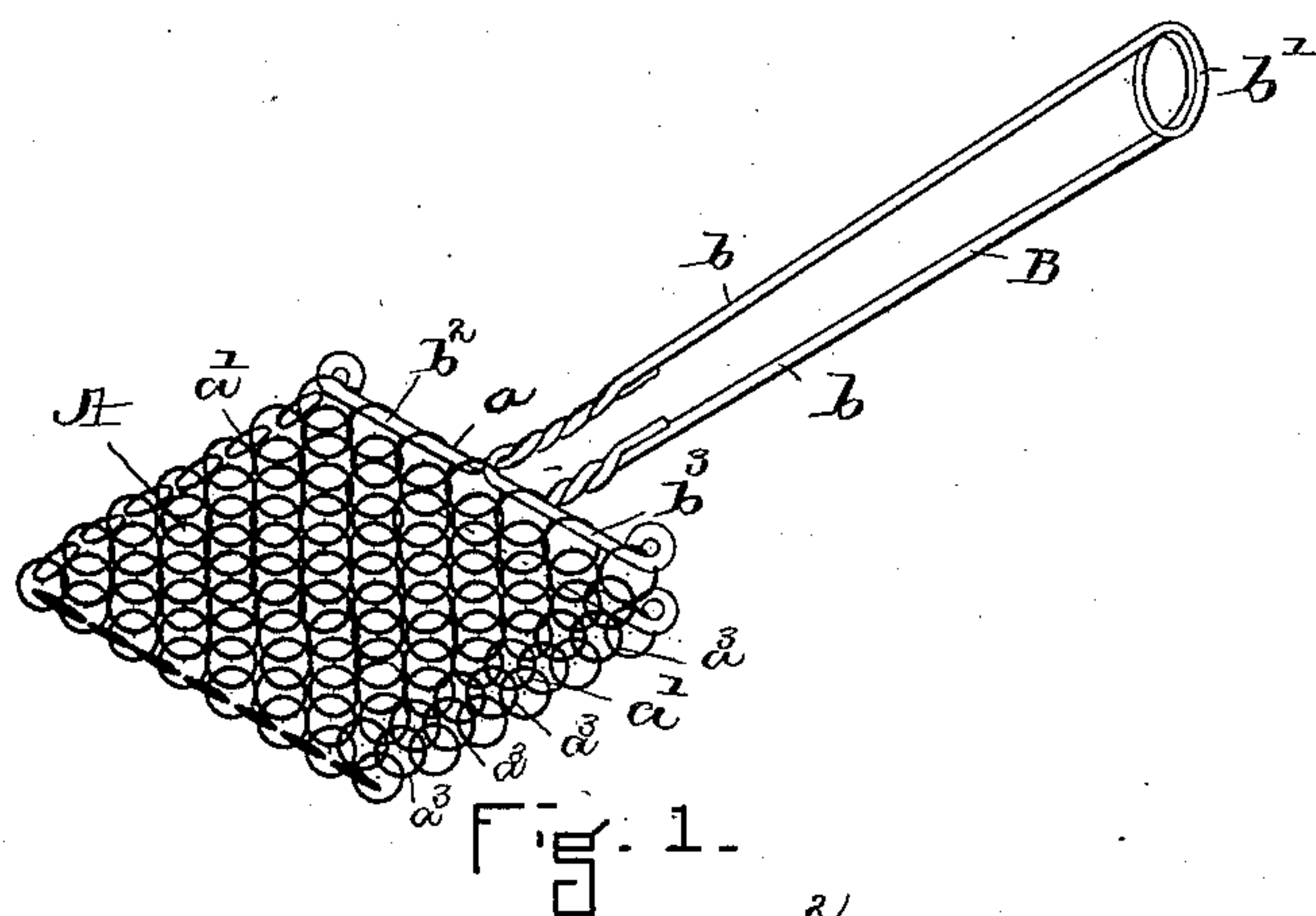


(No Model.)

W. T. RUSSELL.  
SOAP SHAKER.

No. 428,144.

Patented May 20, 1890.



WITNESSES.

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Curtis & Raymond

# UNITED STATES PATENT OFFICE.

WILLIAM T. RUSSELL, OF WORCESTER, MASSACHUSETTS.

## SOAP-SHAKER.

SPECIFICATION forming part of Letters Patent No. 428,144, dated May 20, 1890.

Application filed April 22, 1889. Serial No. 308,197. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM T. RUSSELL, of Worcester, in the county of Worcester, in the State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Soap-Shakers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

The invention comprises a soap-shaker having a soap-holder made of metal sections or rings united with each other to form an open-work bag or receptacle and a suitable handle. Referring to the drawings, Figure 1 is a view in perspective of the soap-shaker. Fig. 2 is a view in plan of the assembled rings in a flat structure. Fig. 3 is a section taken through the holding-section of the shaker. Figs. 4 and 5 represent forms of rings or hollow metal shapes used in making the structure. Fig. 6 is a view in section of the holder containing a piece of soap.

A is the bag or receptacle for holding the soap. It is represented as made in the shape of a bag, having an opening  $a$  at its top and the sides  $a'$ . The bag or holder is flexible, and is made of a number of rings  $a^2$  or other hollow or open metal shapes, united with each other by rings or open metal shapes of the same or substantially the same form. To make the bag of rings, they are first united, preferably, to make a long flat rectangular section, as represented in Fig. 2, and this is folded at the center of its length and the end rings united by the rings  $a^3$ . The bag is represented as supported by a handle B, having the two arms  $b$ , which are closed toward each other to close the top of the bag by the spring  $b'$ . Each arm  $b$  has two branches  $b^2 b^3$ , one of which is integral with the arm and formed by turning it at practically a right angle and the other of which is a separate piece united

to the arm by twisting, and each branch is passed through the upper line of rings of the bag and through the corner-rings, and the bag is held stretched apart at its top by turning back all the ends of the branches to form eyes, which embrace the corner-rings. (See Fig. 1.)

To insert the soap in the bag, the two arms are spread apart. This opens the mouth of the bag and the soap is dropped or pushed in, and upon releasing the arms the ends of the handle come together and are held together by the spring. By making the holder flexible the operation of the shaker is facilitated, the soap more easily dissolved, and no injury can be done any article by striking it during the movement of the shaker. Without the soap the shaker is useful as a metal dish-cloth.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

1. A soap-shaker consisting of the combination with a flexible open-work metallic bag having a mouth  $a$ , and composed of a series of rings or links joined together, of a handle composed of two arms, each having two branches  $b^2 b^3$ , to which the edges of said bag at its upper or mouth portion are attached.

2. A soap-shaker consisting of the combination with a flexible open-work metallic bag having a mouth  $a$ , and composed of a series of rings or links joined together, of a handle composed of two spring-arms  $b$ , each having two branches  $b^2 b^3$ , provided with eyes at their ends, the rings or links at the upper edges or mouth portion of said bag being looped onto said branches with the outer rings or links at said edges engaged with said eyes to hold the bag properly distended.

WILLIAM T. RUSSELL.

In presence of—

F. F. RAYMOND, 2d,  
J. M. DOLAN.