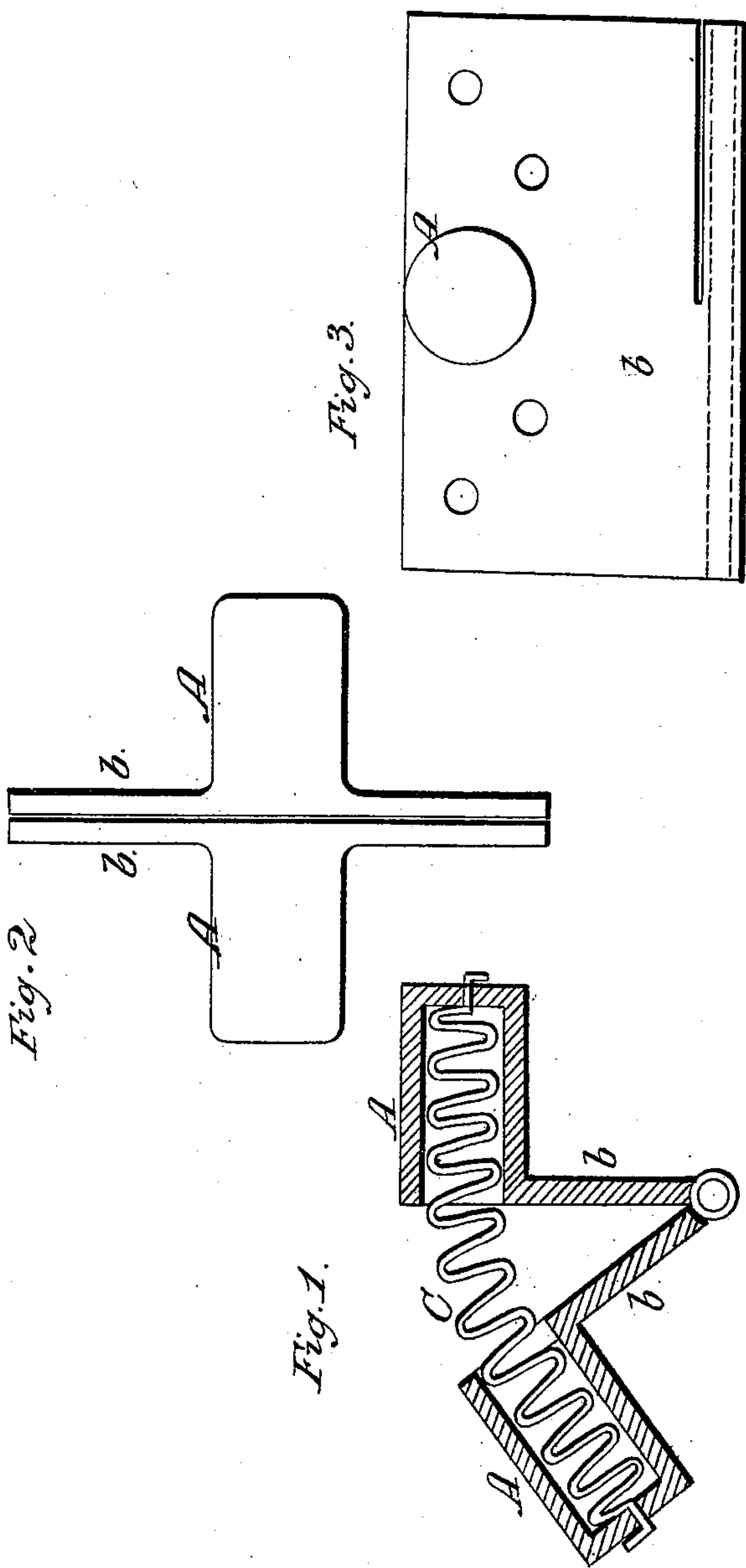


T. Fredericks.

Spring Hinge.

N^o 86,978.

Patented Feb. 16, 1869.



Witnesses.
S. W. Clark.
Horner Harris.

Inventor.
Theodore Fredericks.



THEODORE FREDERICKS, OF NEWARK, NEW JERSEY.

Letters Patent No. 86,978, dated February 16, 1869.

IMPROVEMENT IN SPRING-BUTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THEODORE FREDERICKS, of Newark, in the county of Essex, and State of New Jersey, have invented an Improved Spring Door-Hinge; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of this invention is to provide a simple arrangement for closing a door.

This is done by means of the spiral spring connecting the two leaves of the hinge.

The hinge is made with a tube, A, projecting from the outer face of each leaf B of the hinge.

In these tubes is placed a spiral spring, C, with each end fast to the outer end of the tube.

When the door is opened, and let go, the spring re-acts and closes it.

A rubber spring may be used in the place of the spiral spring, (Figures 2 and 4 show the use of the rubber spring,) if in some cases it shall be preferred. Therefore,

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

The construction of the but, with the cases A A, and the spring acting in them, substantially as and for the purpose specified.

THEODORE FREDERICKS.

Witnesses:

HORACE HARRIS,
S. W. CLARK.