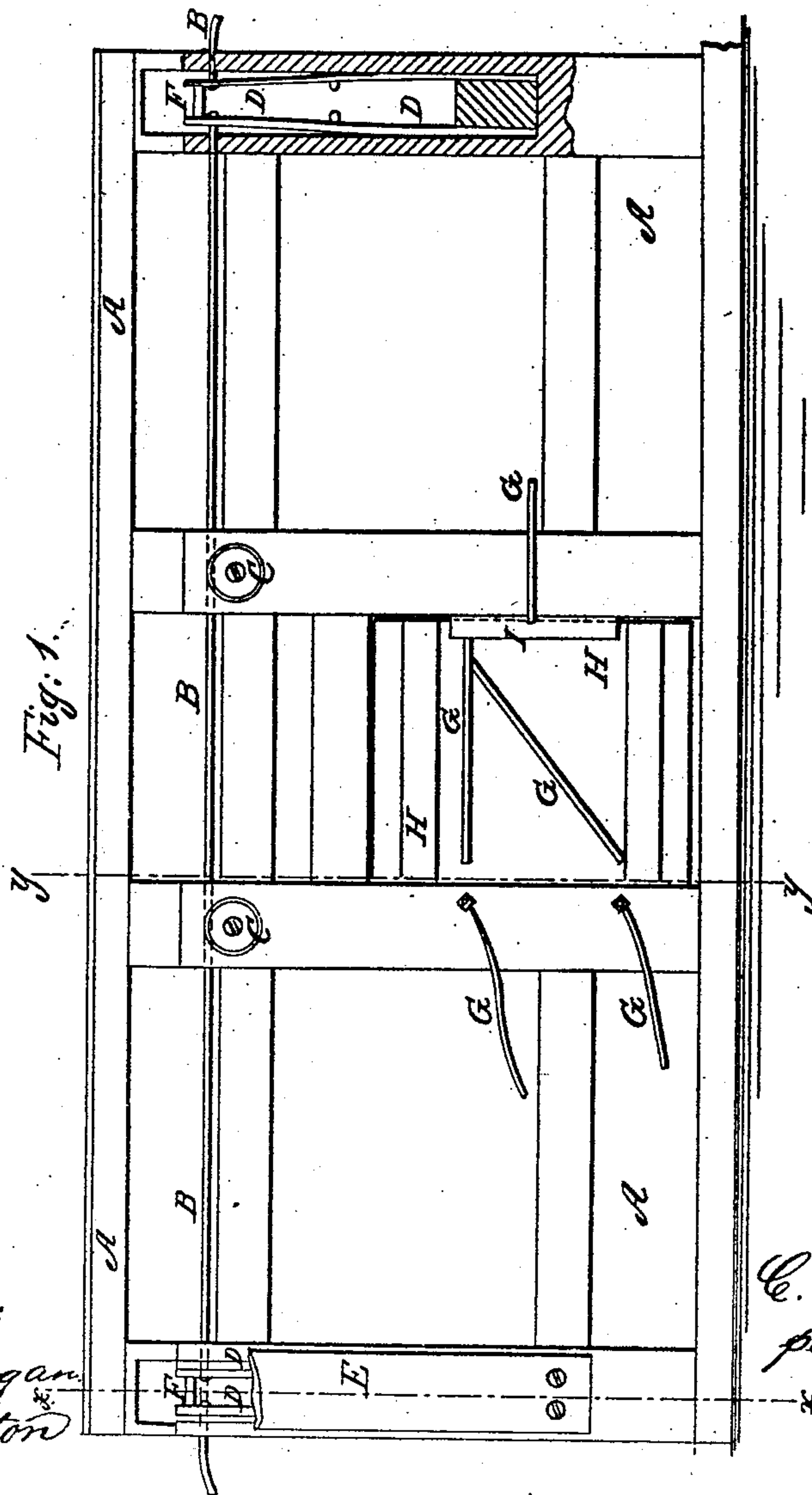
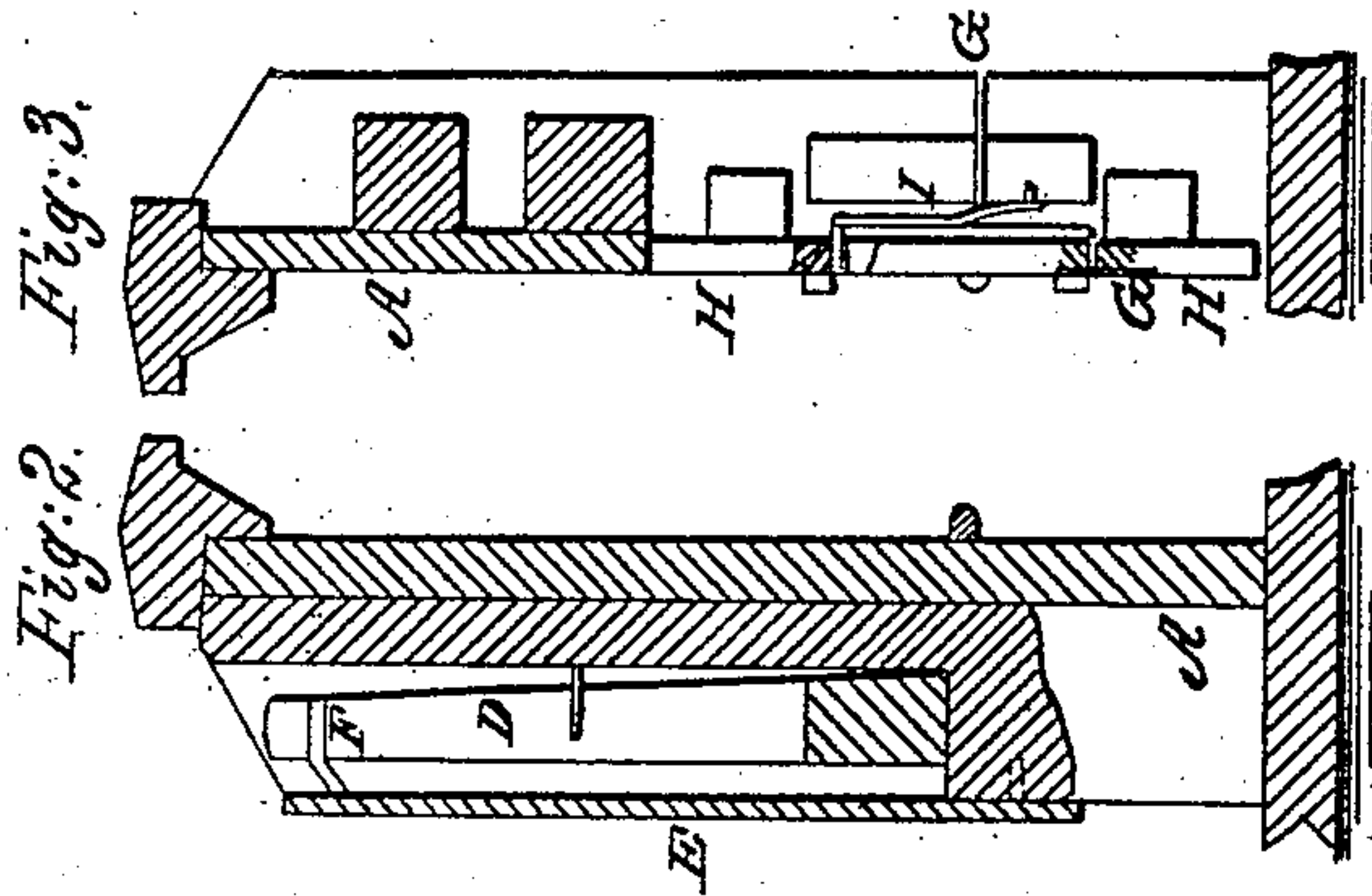


C. T. MASON.
Burglar Alarm.

No. 89,936.

Patented May 11, 1869.



Attest:
Wm. A. Morgan
G. C. Cotton

Inventor.
C. T. Mason
per Munn & Co.
Attorneys.

United States Patent Office.

CHARLES T. MASON, OF SUMTER, SOUTH CAROLINA.

Letters Patent No. 89,936, dated May 11, 1869.

IMPROVEMENT IN ELECTRIC ALARM

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, CHARLES T. MASON, of Sumter, in the district of Sumter, and State of South Carolina, have invented a new and improved Electric Alarm; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a fence or wall to which my improved device has been attached.

Figure 2 is a vertical section of the same, taken through the line *x x*, fig. 1.

Figure 3 is a vertical section of the same, taken through the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved device for protecting prisons, banks, public and private gardens, grounds, &c., and other places, which shall be reliable in operation, and, at the same time, simple in construction; and

It consists in the combination of parts, as will be hereinafter more fully described.

A represents the wall or fence of a prison-yard, garden, pleasure-ground, or other enclosure, into which ingress, or from which egress may be sought by climbing over said wall or fence.

B is the connecting-wire of a galvanic circuit, which is extended along the fence or wall A, in such a position that it will be impossible to get over said wall without touching said wire and breaking the circuit.

The wire, B, may be insulated, or covered with some suitable material, and passes over rollers C, so that it may move easily when touched.

The wire, B, is divided up into sections of suitable length, the ends of each section being attached to springs D, set into recesses in the posts, or other convenient part of the fence or wall A.

The springs D, and the recesses in which they are placed, are covered and protected by the covers E, to the inner side of which is attached a small metal arm, F, which passes between the springs D of the contiguous ends of two adjacent sections of the wire, B, and against which both of said springs rest when the said wire, B, is undisturbed, completing the circuit.

But should the wire, B, be disturbed, one of the springs D will be drawn away from the arm F, breaking the circuit and sounding the alarm.

Doors, gates, windows, &c., may be connected with the circuit-wire B, or they may be provided with a circuit-wire of their own. The latter construction I prefer.

In this case, the wire, G, which forms the circuit, is connected with the hinges of the door or gate H, and passes along or through said door or gate, to its forward edge, where its end rests against a metal spring or plate, I, attached to the door or gate-post, and which is connected with the continuation of said wire, G, so that should the said door or gate be opened in the slightest degree, the circuit will be broken and the alarm sounded.

In the same manner the wire, G, may be connected with a window, so that raising the window will break the circuit and sound the alarm.

Using a separate wire for the gates, doors, or windows, enables the said wire to be entirely concealed.

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

The combination of the circuit-wire B, springs D, and arms F, with each other, substantially as herein shown and described, and for the purpose set forth.

CHARLES T. MASON.

Witnesses:

Q. A. McKAGEN,
J. F. W. DE LORME.