

H. Searle.

Mosquito Bar Frame.

N^o 90,054.

Patented May 11, 1869.

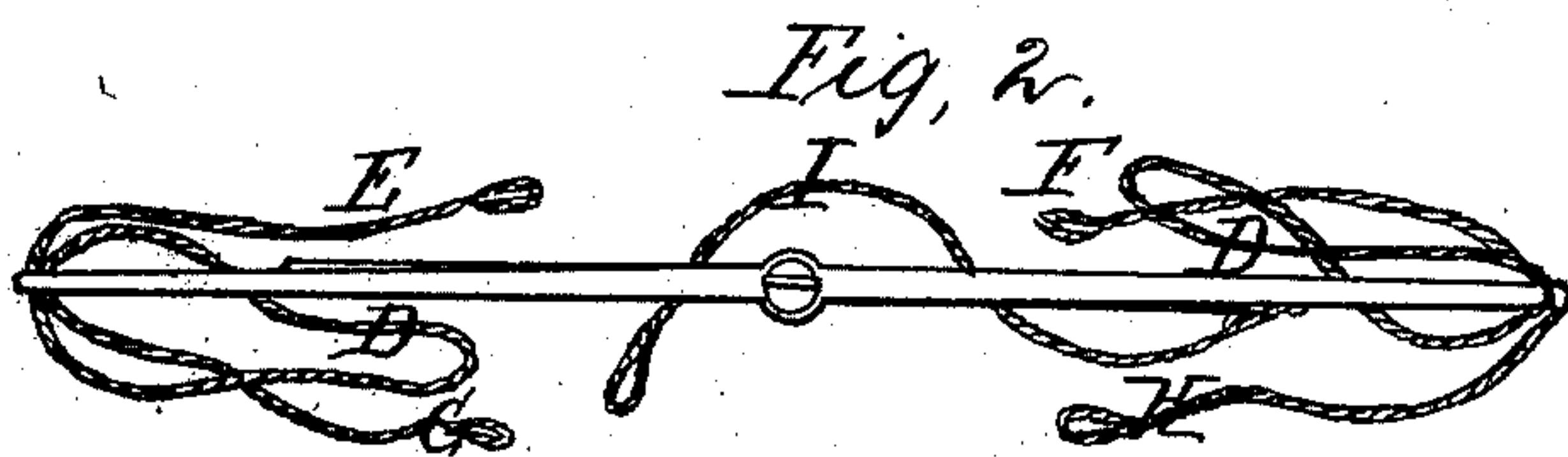
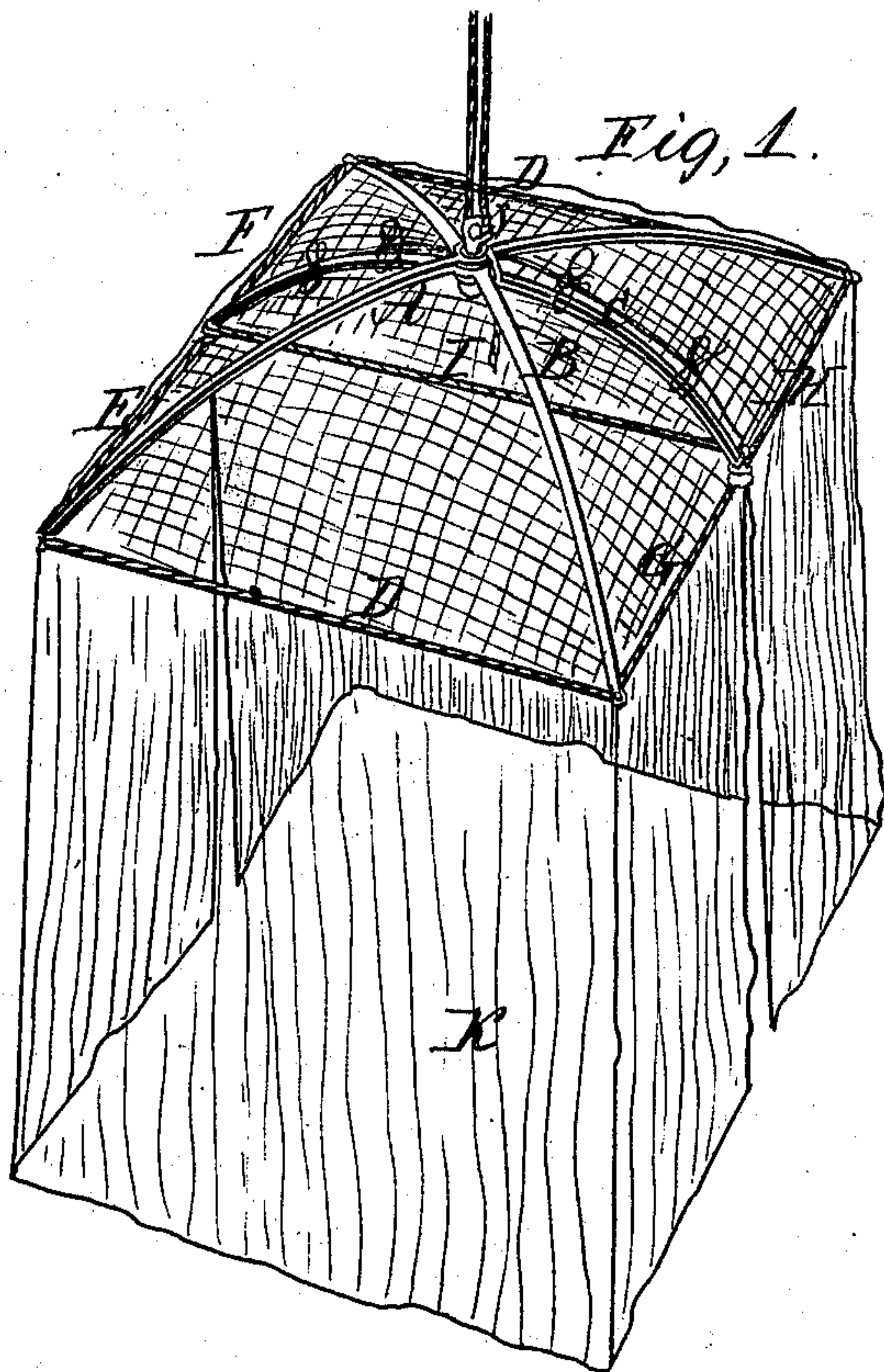


Fig. 3.

Witnesses,

James H. McMillan

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Inventor,

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United States Patent Office.

HENRY SEARLE, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 90,054, dated May 11, 1869.

IMPROVED MOSQUITO-BAR FRAME.

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, HENRY SEARLE, of Washington, in the county of Washington, in the District of Columbia, have invented a new and improved Mode of Constructing Mosquito-Bar Frames; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing an arched, spring mosquito-bar frame, by providing springs, made of wood or metal, of any desired length to form the frame, the springs being held together in the centre by a screw-eye, forming a pivot, on which they turn, and then by fastening cords of a proper length to the ends of the springs, and drawing the cord inward, so as to bend the springs into an arch-form, and get the force of the springs against the cords; and then fastening the cords by looping them on to the ends of the centre spring, I have a substantial arched top frame complete; and, by unlooping the cords, the springs may be brought together, with the netting attached, so that the netting may be folded or wound around the springs when not in use, or for transportation.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, by referring to the annexed drawings, in which—

Figure 1 is a perspective view of my mosquito-bar frame, with the netting attached.

Figure 2 shows a top view of the springs when folded together, with the netting removed.

Figure 3 shows the netting wound around the springs.

A, B, and C, fig. 1, show the springs which form the frame.

D D show the end cords.

E F and G H show the cords on the sides.

I shows the adjusting-cord, which is looped on to the ends of the centre spring C, by means of which the centre spring is adjusted.

J, fig. 1, shows a screw-eye, on which the springs work, and to which a cord is fastened, for the purpose of suspending the frame.

K shows the netting, which is fastened to the cords around the frame, and parted on each side, and also over the top of the frame, the netting over the top of the frame being lapped, and held together by tying, or in some way that it may be easily unfastened.

Now, it will be seen, that the cord I being of a proper length, and looped on to the ends of the spring C, the spring C is bent, so as to form an arch; and, by making the cords D D, fig. 1, of a proper length, and having them fastened to the ends of the springs A and B, and drawing them inward, so as to bend them into the form of an arch, and then by looping the cords E F and G H to the ends of the spring C, I have an arched frame, and the springs, acting against the cords, keep them stretched, and in their proper position.

By unlooping the cords from the ends of the spring C, and unfastening the netting on the top of the frame, the frame may be closed up, as shown, fig. 2, and the netting may be folded or wound around the springs, as shown, fig. 3.

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

The combination of three or more intersecting springs, A B C, with a transverse adjusting-cord, I, and with lateral cords, D, D, E, F, G, and H, the whole constituting an adjustable arched mosquito-bar frame, substantially as herein set forth.

Witnesses:

HENRY SEARLE.

JAMES H. MCGILL,
CHAS. A. WIMER.