

W. E. DAVIS.
Telegraph Sounder.

No. 92,284.

Patented July 6, 1869.

Fig. 1.

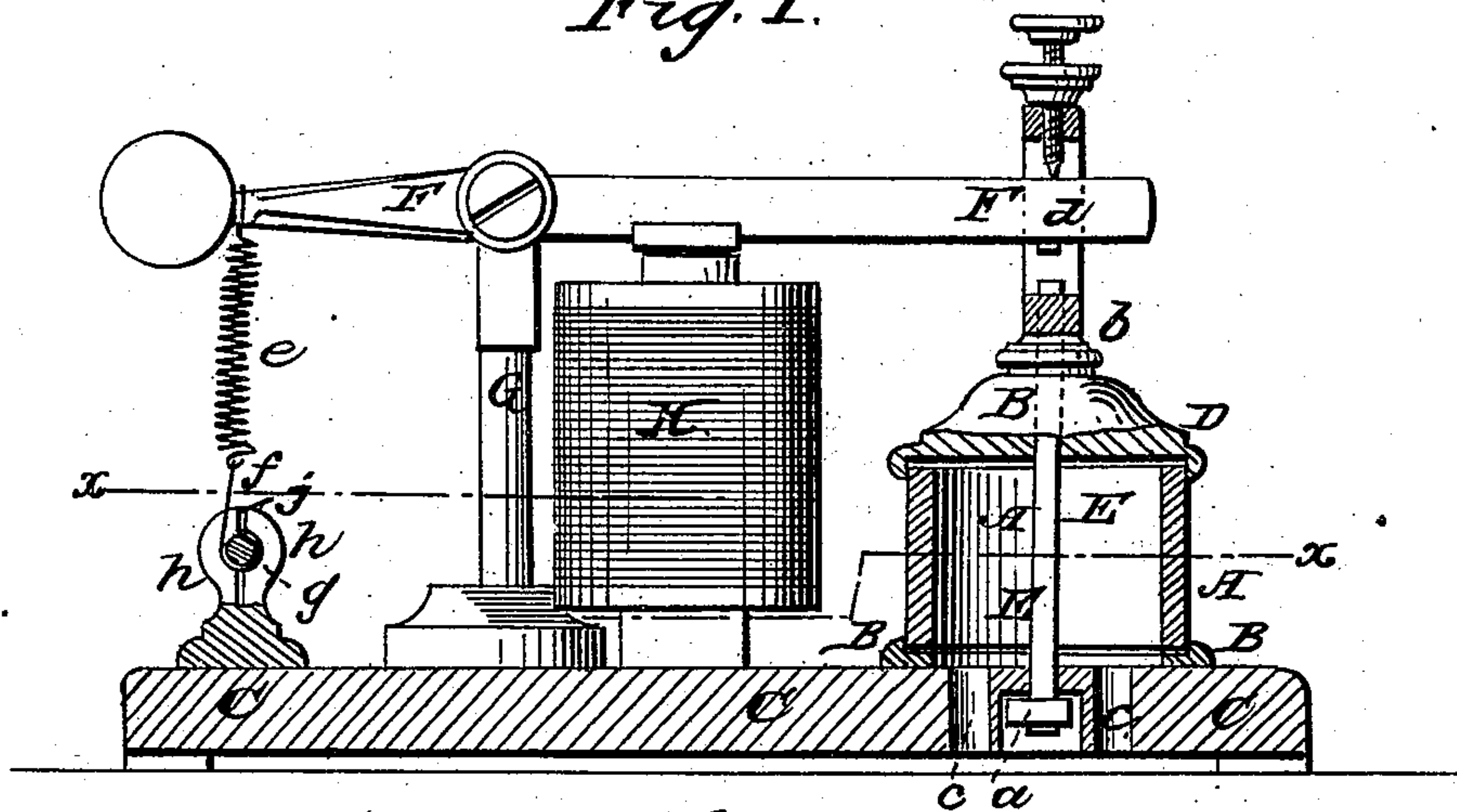
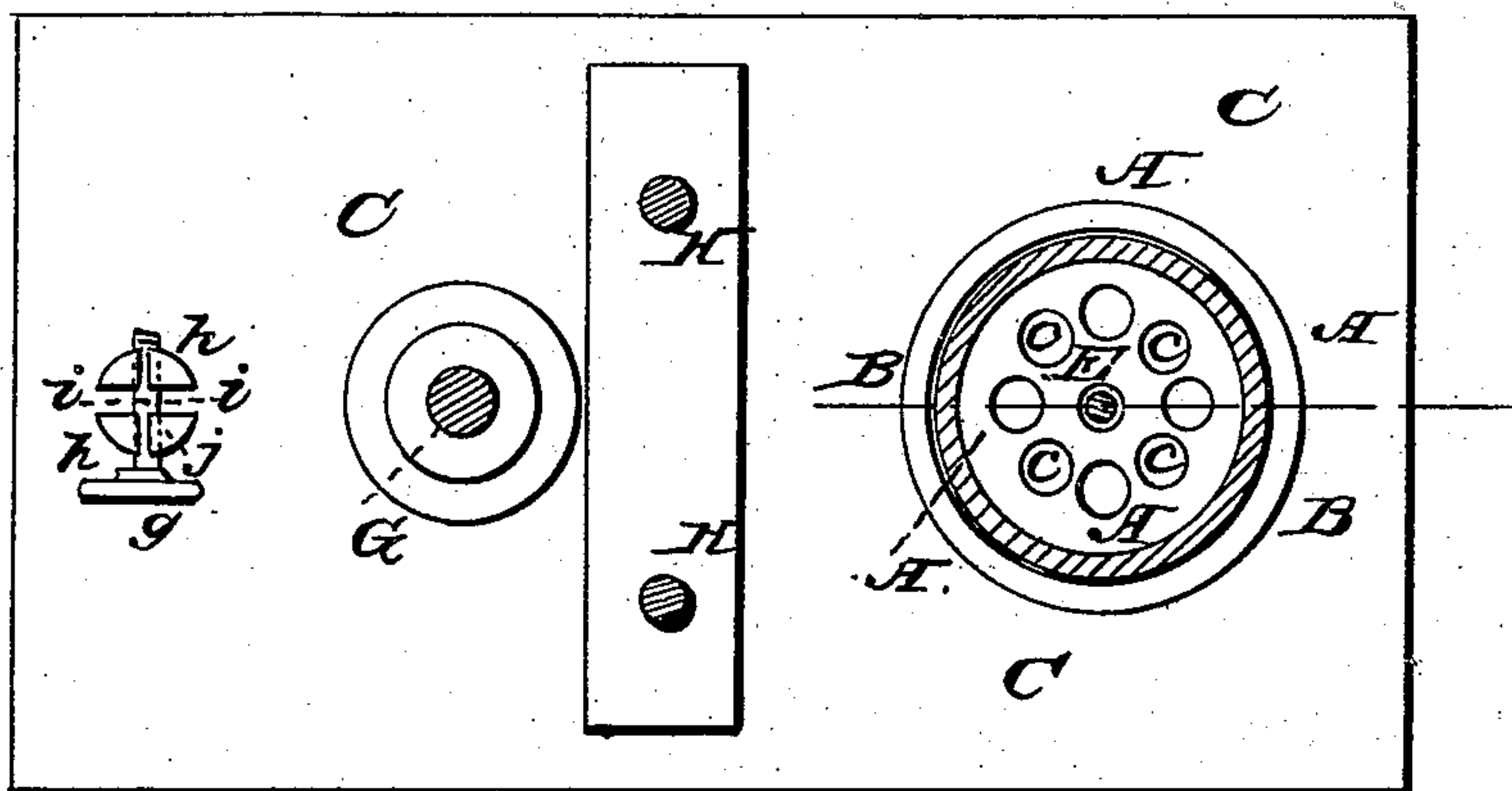


Fig. 2.



Inventor.

W. E. Davis
per H. M. Munn
Attys

Witnesses.
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United States Patent Office.

WILLIAM EDWARD DAVIS, OF JERSEY CITY, NEW JERSEY.

Letters Patent No. 92,284, dated July 6, 1869

IMPROVEMENT IN TELEGRAPH-SOUNDERS.

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, WILLIAM EDWARD DAVIS, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and improved Telegraph-Sounder; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others 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 side elevation, partly in section, of my improved telegraph-sounder.

Figure 2 is a horizontal section of the same, taken on the plane of the line $x x$.

Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of constructing the sounding-column of a telegraphic sounding-apparatus, for the purpose of producing a clear tone; and also to certain improvements in the construction of the other parts that pertain to this apparatus, as hereinafter more fully described.

The improvement consists chiefly in constructing the sounding-post, or column A, of hard rubber, made in cylindrical form, so as to be hollow, as shown.

This column is fitted upon a metal ring, B, which rests on the base C, and is covered by a metallic cap, D.

A bolt E, made of steel, is fitted through the base and cap, and is fastened, at the lower end, in a recess of the base by a nut, a , while its upper end is above the cap, clamped by a nut, b .

The base is perforated below the cylinder, as at c , to allow a free escape of the sounding-waves.

The upper end of the steel rod E will, when struck by a steel pin, d , that is fastened to the armature-lever F, cause a clear sound to be produced, which is loud enough to be readily understood by all telegraphers.

The armature-lever, pivoted to a standard, or standards, G, is acted upon by the magnet H, and has its rear end weighted and drawn down by a spring, e .

This spring has its lower end fastened to a cord, f , which is wound upon a pin, g .

The pin g has its bearings in a stud, or standard, h , that has two slots cut at right angles into its upper end.

The one slot, i , is to admit the cord f , while the other, j , parallel to the pin g , serves to impart the proper spring to the standard for holding and clamping said pin, to prevent it from working loose.

Having thus described my invention,

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

1. The hollow sounding-column A, when made of hard rubber, and covered by a metallic cap, substantially as herein shown and described.

2. The combination of the perforated base C and steel bolt E, with the hollow rubber column A, cap D, and armature-lever F, all arranged and operating substantially as herein shown and described.

3. The stud, or standard h , carrying the pin g , when provided with double slots, i and j , substantially as and for the purpose herein shown and described.

WILLIAM EDWARD DAVIS.

Witnesses:

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