

(No Model.)

E. M. & E. S. COMSTOCK.

BOW ROSINING ATTACHMENT FOR VIOLINS.

No. 373,645.

Patented Nov. 22, 1887.

Fig. 1.

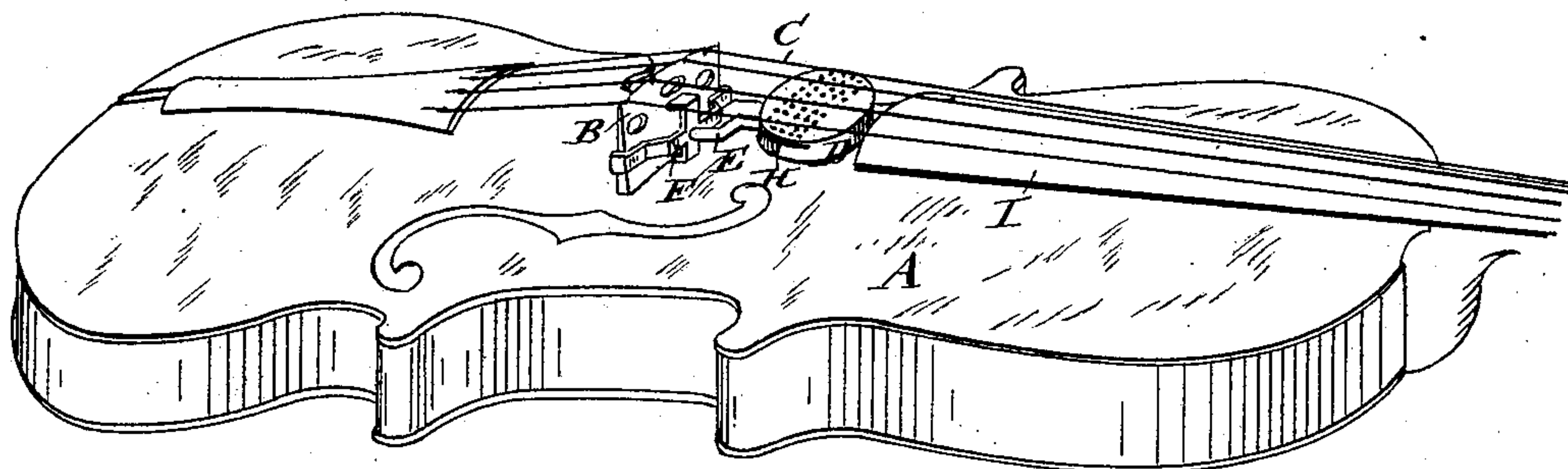


Fig. 2.

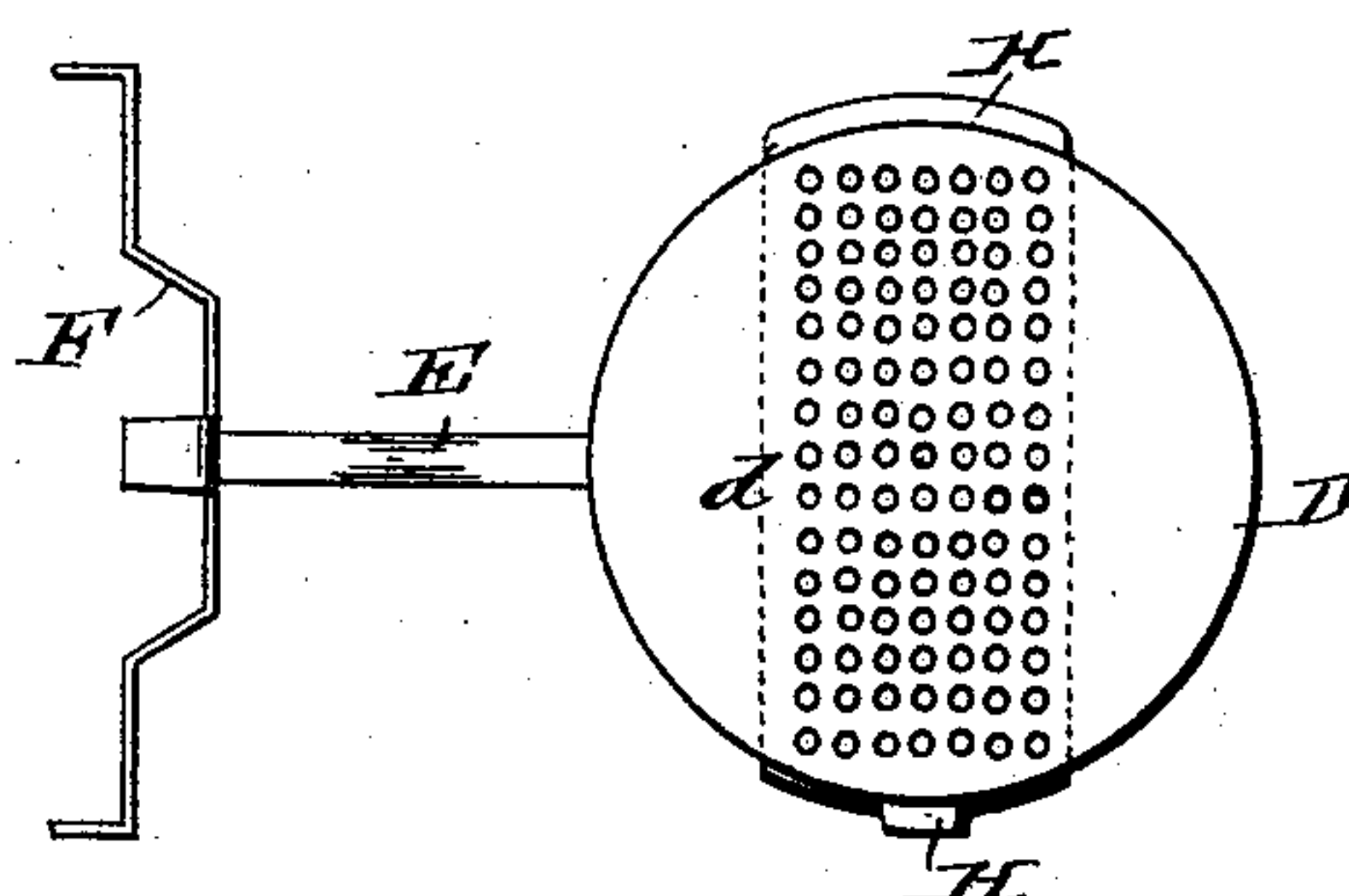
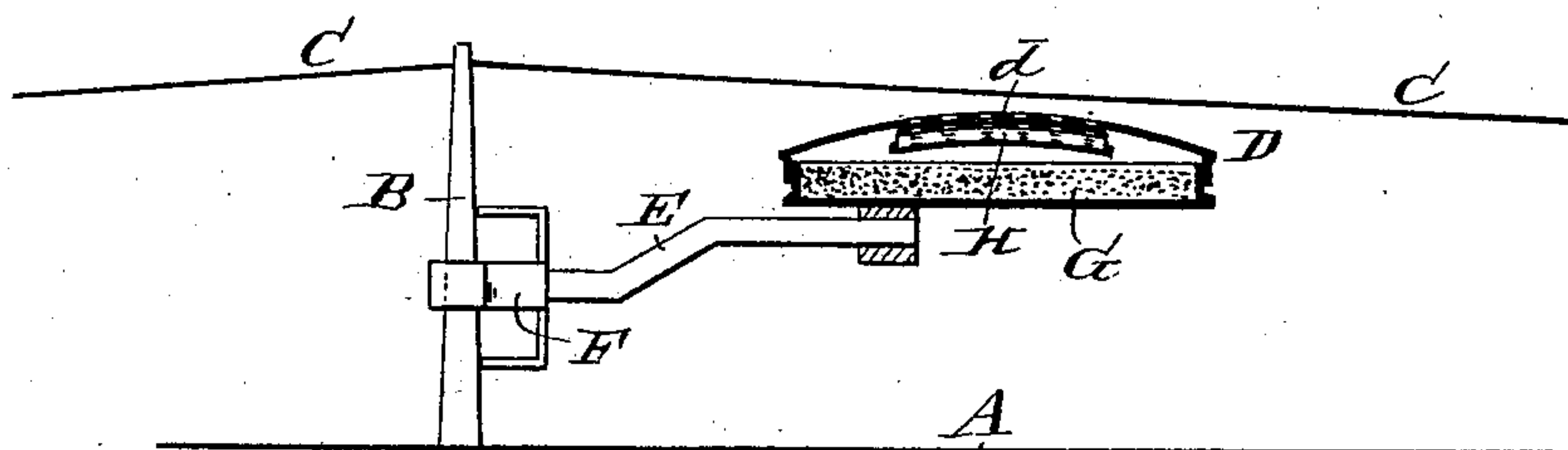


Fig. 3.



WITNESSES:

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BOW-ROSINING ATTACHMENT FOR VIOLINS.

SPECIFICATION forming part of Letters Patent No. 373,645, dated November 22, 1887.

Application filed May 18, 1887. Serial No. 238,616. (No model.)

To all whom it may concern:

Be it known that we, EDWIN M. COMSTOCK and ERNEST S. COMSTOCK, both of Cascade Valley, in the county of Broome and State of New York, have invented a new and Improved Bow-Rosining Attachment for Violins, of which the following is a full, clear, and exact description.

The object of our invention is to provide for automatically rosining the main strings and bow of a violin while the instrument is in use and make the usual rosining of the bow-strings by hand unnecessary.

The invention consists in a rosin-dust box supported near the strings of the violin, so that its vibrations when in use will cause the rosin to fly onto the strings and bow.

The invention consists, also, in particular constructions of parts of the attachment and its connections to the violin, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a violin with our improved bow-rosining attachment applied. Fig. 2 is a plan view of the attachment removed from the violin and in larger size, and Fig. 3 is a longitudinal sectional elevation of the attachment and adjacent parts of the violin.

The letter A indicates the violin, and B its bridge, over which the strings C are stretched in the usual or any approved way.

Our attachment consists of a box or receptacle facing the strings C of the violin and adapted to hold powdered rosin or rosin-dust, and held to the violin so that the vibrations caused by the use of the instrument will cause the rosin-dust to be thrown upon the strings and the bow moving across them.

The drawings represent a preferred construction and arrangement of the invention, wherein the letter D indicates the rosin-dust box or receptacle, which is attached to a wire, E, which in turn is connected to a clip device, F, by which the box D is held to the bridge B of the instrument, so that the perforated cover or lid *d* of the box lies quite near and underneath the strings C.

It is evident that as the violin-bow (not shown) is drawn over the strings the vibra-

tions of the bridge B, and consequently of the rosin-box D, will cause the rosin-dust, G, therein to fly upward on the strings and bow and keep the bow always in good condition for the best musical effects of the instrument.

A perforated valve, H, is or may be fitted to slide next the perforations of the rosin-box, so as to cut off the escape of the rosin-dust therefrom at any time desired.

It is evident that the rosin-dust box D may be supported by clips or other suitable devices from the body of the violin or from its finger-board I; but the attachment of it to the bridge B, as shown, is at present preferred.

By our invention the violin strings and bow are rosined automatically as the instrument is used, and rosining the bow by applying the material by hand to the bow-strings in the usual manner is unnecessary.

The rosin-box D may have any suitable construction allowing the rosin dust to be placed within it. It is shown as made of flanged body and cover sections fitted together in the usual manner of such structures.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A bow-rosining attachment to violins, consisting of a rosin-dust box supported near the strings of the violin, so that the vibrations of the instrument when in use will cause the rosin-dust to fly from the box upon the violin strings and bow, substantially as herein set forth.

2. A bow-rosining attachment to violins, consisting of a rosin-dust box, D, having a perforated cover, *d*, and held near the strings of the violin by a clip device, E F, fastened to the bridge B of the instrument, substantially as herein set forth.

3. The combination, in a bow-rosining attachment to violins, of a rosin-dust box, D, made with a perforated cover, *d*, and a valve, H, and supported near the violin-strings by a clip device, E F, fastened to the bridge B of the instrument, substantially as herein set forth.

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Witnesses:

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