(No Model.)

A. J. MUNSON.

BALL ORNAMENT FOR LIGHTNING RODS.

No. 343,332. Patented June 8, 1886.

Fig. 1.

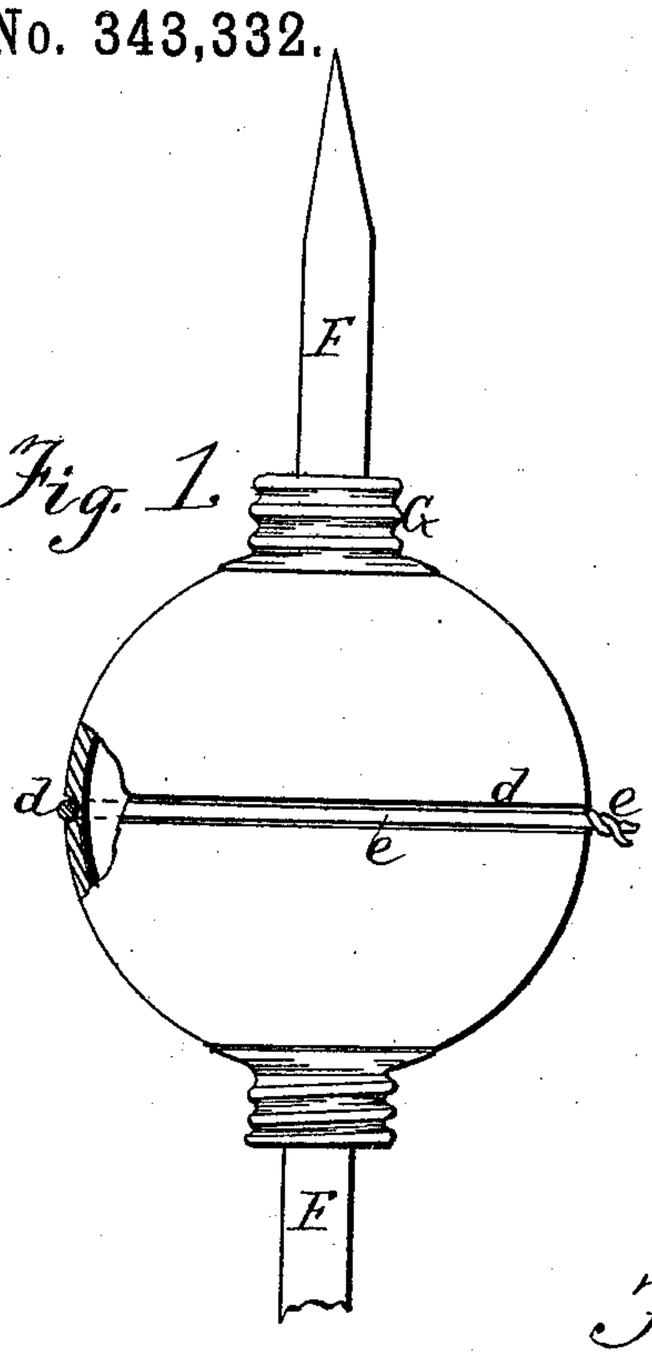


Fig. 3.

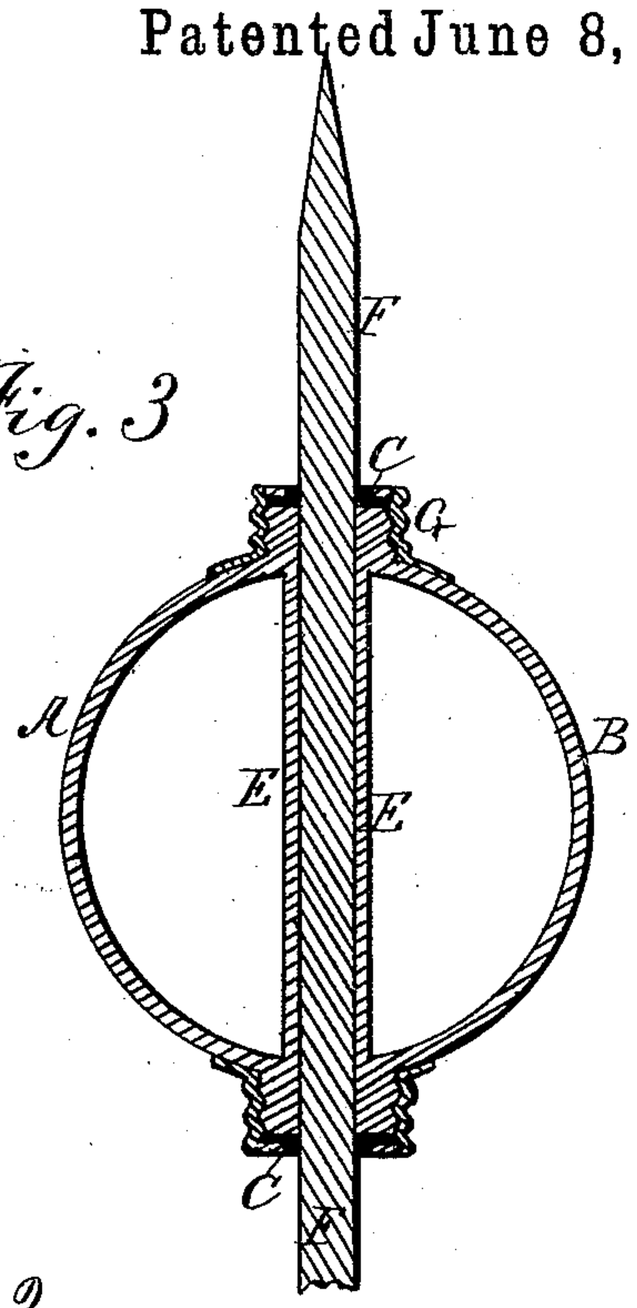


Fig. 2.

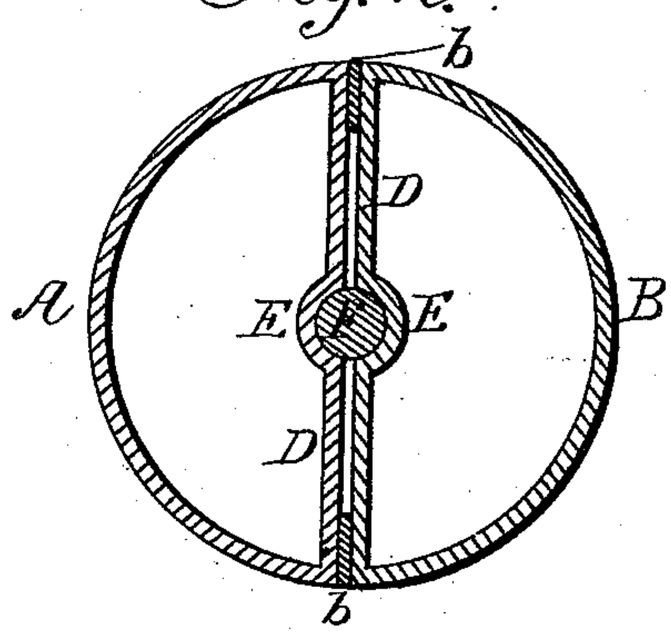
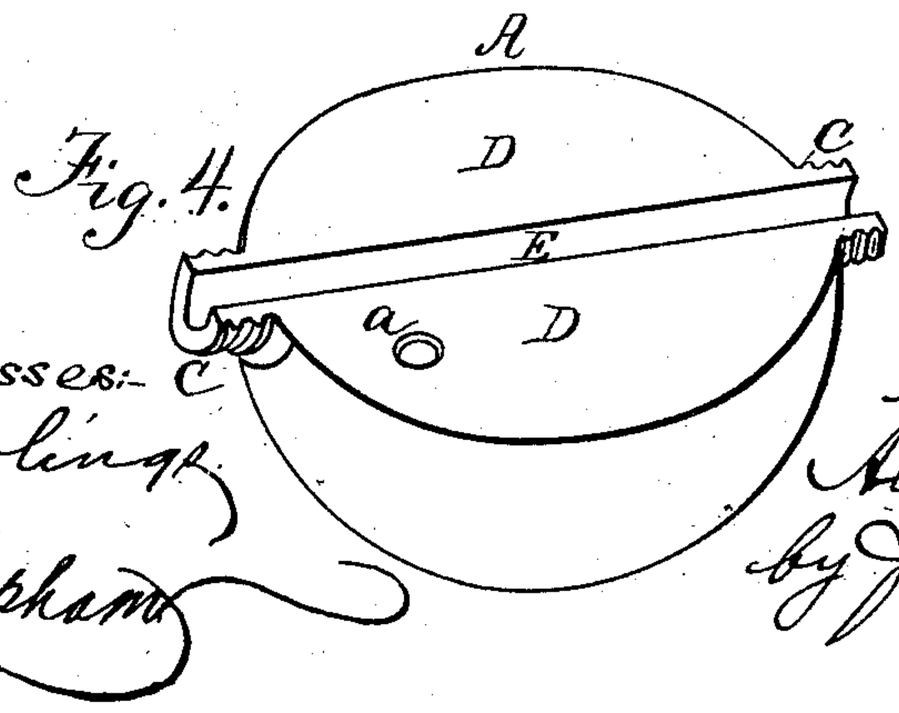


Fig. 4.



Witnesses:-
A. C. Rawlings.
C. R. Lapham.

Inventor:-
Alvin J. Munson
by Johnson and Johnson
Attys.

UNITED STATES PATENT OFFICE.

ALVIN J. MUNSON, OF INDIANAPOLIS, INDIANA.

BALL ORNAMENT FOR LIGHTNING-RODS.

SPECIFICATION forming part of Letters Patent No. 343,332, dated June 8, 1886.

Application filed January 29, 1886. Serial No. 190,246. (No model.)

To all whom it may concern:

Be it known that I, ALVIN J. MUNSON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented new and useful Improvements in Ball Ornaments for Lightning-Rods, of which the following is a specification.

The invention relates to means for affixing ornamental glass balls to lightning-rods, weather-vanes, and the like; and the object of my improvement is to so construct the ornament as to render it easy of application to the lightning-rod or vane-rod, and to make it capable of various ornamentation not now to be had. I do this by making the glass ball of two cast hemispheres, and I apply the ornament and secure it as will be hereinafter described.

In the accompanying drawings, Figure 1 represents an elevation of a lightning-rod with an ornamental glass ball of my invention attached; Fig. 2, a horizontal section taken through the ball and rod; Fig. 3, a vertical longitudinal section; Fig. 4, a perspective of one of the hemispheres.

Two hemispheres, A and B, are cast, of glass, with threaded necks C C for each hemisphere at top and bottom. Each hemisphere is cast with a diameter-face, D, and a central vertical half-tube, E, which projects at top and bottom to form the threaded necks above mentioned. In the face of each hemisphere is a hole, *a*, through which solutions of proper material for the purpose are injected to silver and gild from the inside both the hemispheres, or one may be silvered and the other gilded. The holes *a* are closed by rubber corks or with putty or cement, or a rubber joint-packing, *b*, Fig. 2, may be used to keep out the water. These hemispheres are brought together to embrace the rod F at any desired position thereon, and they are held together either by screw-cap G, run over the rod, or by wrapping the necks C with copper wire, or by a compressed band upon plain or threaded necks.

By making one hemisphere of amber glass and silvering the inner surface I have a combination of gold and silver, if I desire so to do.

I may also cast upon the surface of the hemispheres a circumferential groove, *d*, Fig. 1, around which a wire, *e*, may be drawn and knotted, thereby dispensing with the above-described necks.

The advantage of the construction above described lies in the putting together of a globe made up of two hemispheres, whereby the necessity of slipping over the rod is avoided, and whereby one half may be gilded and the other silvered from the inside.

I am aware that a glass-globe ornament for lightning-rods has been silvered from the inside, as I am also aware of the manufacture of imitation pearls.

I claim—

1. A ball ornament for lightning-rods and similar devices, consisting of two hollow hemispheres, each having a diameter-face and a diametrically-formed half-tube, E, terminating in semi-cylindrical externally-threaded ends C, in combination with the screw-caps G, for clamping the sections together, substantially as described.

2. The hollow hemispheres, each having a diameter-face provided with an opening, a sealing-plug therefor, and with a centrally-formed half-tube, E, each hemisphere having external coincident grooves, in combination with a rod and a clamping binder, substantially as described, for the purpose specified.

3. A ball ornament for lightning-rods and similar devices, composed of separate hollow glass sections of different colors, having diameter-faces bound together and upon the rod by a clamping binder, as shown and described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALVIN J. MUNSON.

Witnesses:
DAVID R. MUNSON,
WM. H. BURNETT.