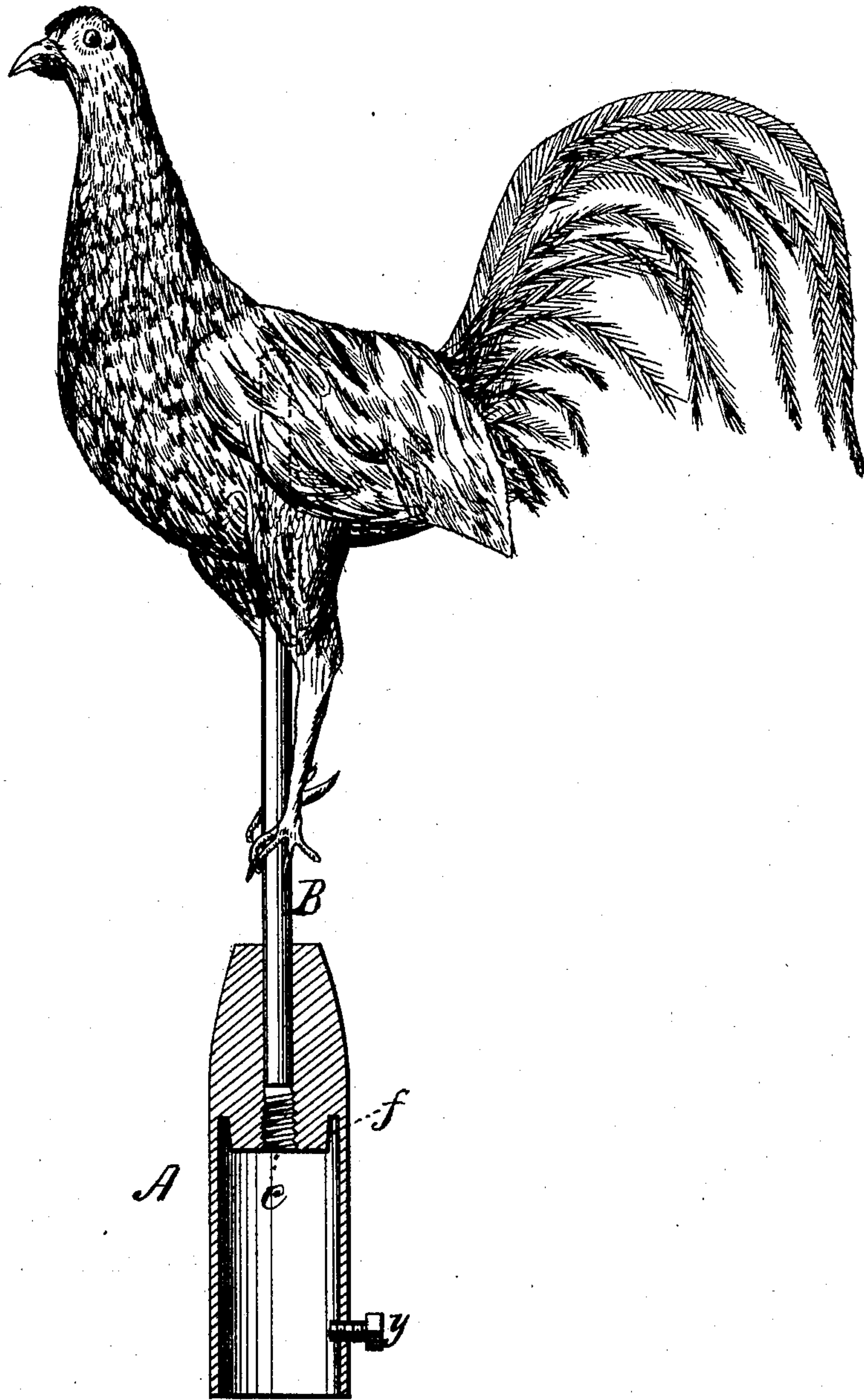


C. H. SMITH.

WEATHER-VANE ATTACHMENT FOR LIGHTNING-RODS.

No. 174,866.

Patented March 14, 1876.



WITNESSES

Robert Everett,
Frank J. Chasie

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CHARLES H. SMITH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WEATHER-VANE ATTACHMENTS FOR LIGHTNING-RODS.

Specification forming part of Letters Patent No. **174,866**, dated March 14, 1876; application filed December 8, 1875.

To all whom it may concern:

Be it known that I, CHARLES H. SMITH, of Chicago, in the county of Cook and State of Illinois, have invented a new and valuable Improvement in Weather-Vane Attachments to Lightning-Rods; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawings is a representation of a vertical section of my weather-vane holder.

My invention relates to that class of devices which are designed to utilize the top of lightning-rods on buildings for sustaining weather-vanes; and it consists in the construction of a tubular cap or hood adapted to hold both the pivot-pin for the vane and the top of a lightning-rod, whether solid or tubular, substantially as hereinafter specified.

A of the drawings represents a cap or hood, upon the top of which is attached the pivot pin or rod B. This cap is made tubular at its lower end, as shown, and is usually provided with a screw-thread, *c*, to receive a screw formed upon the top of a solid lightning-rod.

I also usually construct said cap with an interior annular projection, marked *f* on the drawings, which is intended to serve as a support for the end of the rod in case it be a tubular one.

The tubular lightning-rod is passed up over the projection *f*, but a solid one is screwed into the threads *c*, inside the projection *f*.

The letter *y* represents a thumb-screw that passes through the tubular cap to aid in holding the rod securely.

The vane rests upon the top of pin B, as represented.

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

1. The cap A, provided with the interior screw-thread *c* and pivot-pin B, substantially as described.

2. The cap A, provided with pivot-pin B, projection *f*, and thumb-screw *y*, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES H. SMITH.

Witnesses:

WALTER C. MASI,
E. H. BATES.