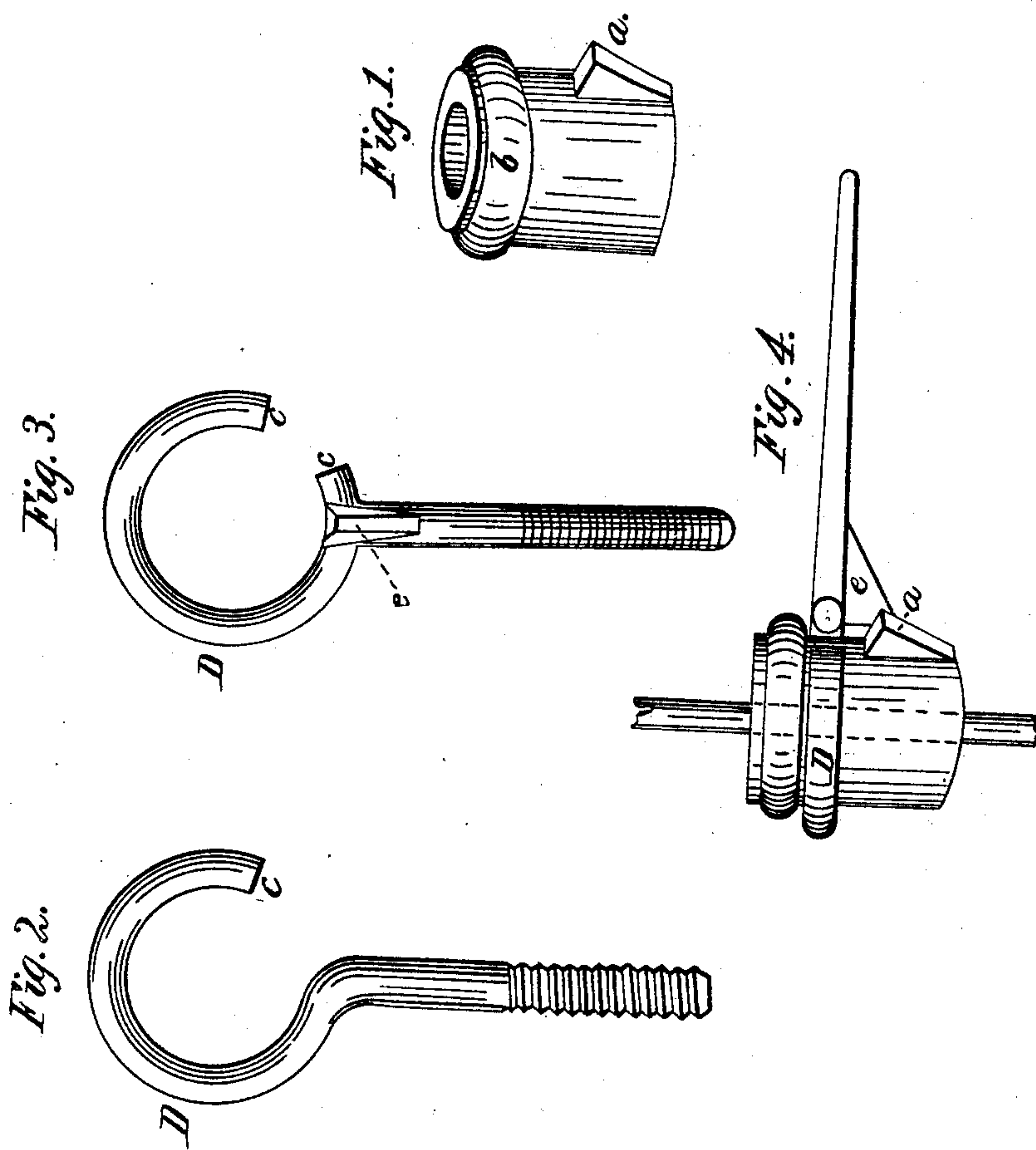


J. SPRATT.
Lightning-Rod Insulator.

No. 7,076.

Patented Feb. 5, 1850.



UNITED STATES PATENT OFFICE.

JAMES SPRATT, OF CINCINNATI, OHIO.

IMPROVEMENT IN ATTACHMENTS FOR LIGHTNING-CONDUCTORS.

Specification forming part of Letters Patent No. 7,076, dated February 5, 1850.

To all whom it may concern:

Be it known that I, JAMES SPRATT, of the city of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and Improved Attachment for Lightning-Conductors; and I do hereby declare that the following is a full and exact description of the construction and operation of my said invention, reference being had to the drawings making a part of this specification.

The nature of my said invention consists in placing a projection on the side of the isolator at *a*, as represented in Figure 1, at such distance below the shoulder *b* as will allow sufficient space for the eye of the attachment, and the forming of a metallic attachment, as in Figs. 2 and 3, Fig. 2 being intended for placing between the joint of a brick, and Fig. 3 having a screw cut at the end for inserting into wood. In the eye of each is an opening, *c*, of sufficient width to allow the projection *a* on the isolator, Fig. 1, to descend, which, when turned round, bears against the rim *D* in Figs. 2 and 3, which I find of great advantage, more particularly when lightning-conductors are run over roofs or flat surfaces, in which case they are not apt to get displaced. I also form a projection on the shank of the attachment, next the eye, as shown at *e* in Figs. 2 and 3,

for the purpose of stopping the projection *a* on the isolator, Fig. 1, when turned round, so that the isolator will be compelled to make an entire revolution before it can get released from the fastening, whereas without the said projection on the metallic fastening, as shown at *e*, the isolator might get released by moving half round. Fig. 4 shows a view of the whole mode.

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

Forming the eye of the metallic attachment with an opening, *c*, to allow the passage of a lug, *a*, on the neck of the isolator, and so that the rod also can be inserted after the attachment is secured to its place, when this is combined with a lug on the shank of the attachment corresponding to that on the isolator, substantially after the manner and for the purposes herein set forth—that is to say, enabling the rod at any time to be inserted or withdrawn without disturbing the attachment in the building.

JAMES SPRATT.

Witnesses:

G. C. PERRY,
P. J. SULLIVAN.