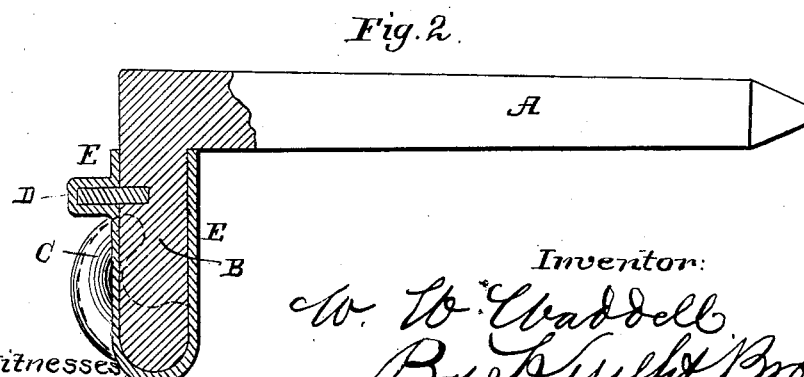
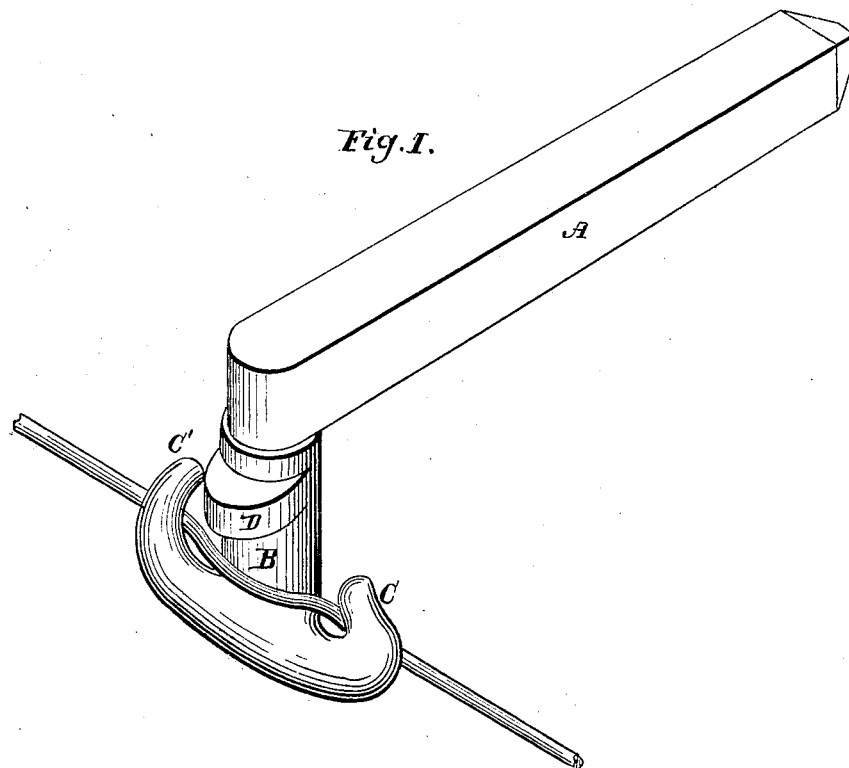


W. W. WADDELL.
Telegraph-Wire Insulator.

No. 53,201.

Patented March 13, 1866.



Inventor:
W. W. Waddell
By Knight Bros
Attys

Witnesses
James H. Layman
Geo. B. Nicholson

UNITED STATES PATENT OFFICE.

WILLIAM W. WADDELL, OF HILLSBOROUGH, OHIO.

TELEGRAPH-INSULATOR.

Specification forming part of Letters Patent No. 53,201, dated March 13, 1866.

To all whom it may concern:

Be it known that I, WILLIAM W. WADDELL, of Hillsborough, Highland county, Ohio, have invented a new and useful Telegraphic Insulator; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of my invention is a cheap, effective, durable, and easily-attached insulator or holder for the wires of electro-magnetic telegraphs.

Figure 1 is a perspective view of an insulator embodying my improvements. Fig. 2 is a partially-sectionized side elevation of the same.

A is a four-square shank, somewhat pointed at its tip to enter the post, and having projecting rectangularly from its outer end a stem, B, which terminates in two hooks or horns, C C', between which and the stem B the tele-

graph-wire is inserted, as in Fig. 1. D is a shoulder to prevent the wire working out of its place. E is a coating of vitreous enamel. A hole of suitable size being made in the post by means of an auger, the shank A is driven in so as to present the two horns in any upward, downward, or oblique position that will most securely hold the wire.

I claim herein as new and of my invention—

The telegraphic insulator constructed as herein described, with the shank A, stem B, horns C C', shoulder D, and coating E of vitreous enamel, all constructed and arranged as and for the purposes specified.

In testimony of which invention I hereunto set my hand.

WILLIAM W. WADDELL.

Witnesses:

JAMES H. LAYMAN,
GEO. H. KNIGHT.