

G. W. Kidwell. Telegraph Wire Insulator.

No. 120,884.

Patented Nov. 14, 1871.

Fig 1.

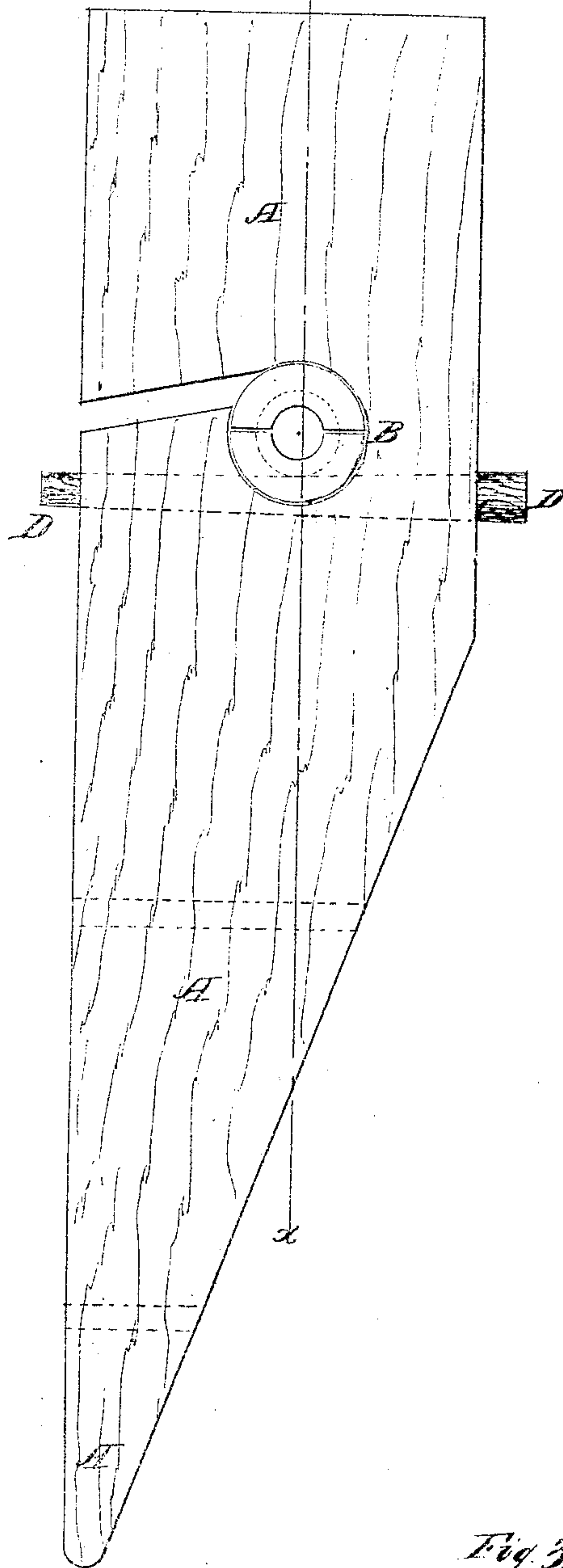


Fig 2.

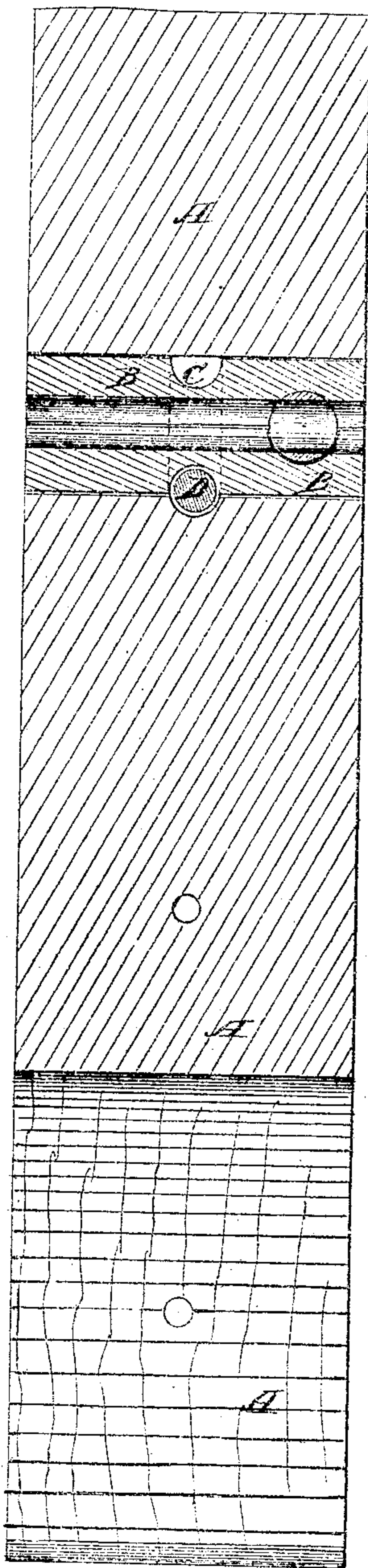
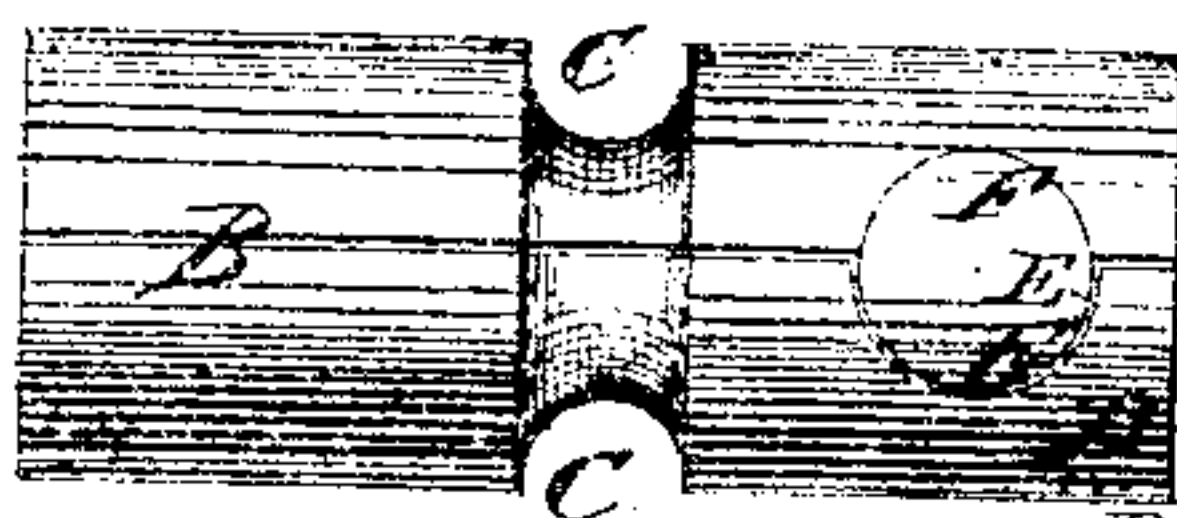


Fig 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. KIDWELL, OF ELWOOD, INDIANA.

IMPROVEMENT IN TELEGRAPH-INSULATORS.

Specification forming part of Letters Patent No. 120,884, dated November 14, 1871.

To all whom it may concern:

Be it known that I, GEORGE W. KIDWELL, of Elwood, in the county of Madison and State of Indiana, have invented a new and useful Improvement in Telegraph-Wire Insulator; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in the improvement of telegraph-wire insulators, as hereinafter fully described and subsequently pointed out in the claims.

In the accompanying drawing, Figure 1 represents a side view of the block with the insulator confined therein. Fig. 2 is a vertical section of Fig. 1 taken on the line *x x*. Fig. 3 is a view of the insulator detached.

Similar letters of reference indicate corresponding parts.

A is the block which is attached to the telegraph-pole. B is the insulator, made of glass or other good non-conductor. The insulator is divided longitudinally into two or more parts, as indicated in the drawing, and is tubular, for receiving the telegraph-wire, as seen in Figs. 1 and 2. C is a groove around the insulator, by means of which the insulator is secured in the block by a pin, D. E represents a hollow cavity in the flat side

of one of the parts of the insulator, and F a round projection on the other part, which fits into the cavity E. This is simply for holding the parts of the insulator in place, and to aid in adjusting it in the block. G is a slot in the block, communicating with the insulator-hole. This slot allows the telegraph-wire to be slipped into the hole in the block; the parts of the insulator are then applied to the wire, thus inclosing it, and then slipped into the block, as seen in the drawing, where the insulator is secured by the pin D.

I do not confine myself to this particular mode of securing the insulator in the block, as I am aware that it may be done in various other ways.

By this mode of applying an insulator to the wire much valuable time is saved in putting up and repairing the wires, and the cost of the insulators is greatly reduced.

Having described my invention, I claim as new and desire to secure by Letters Patent—

1. A two-part insulator, B, having cavity E and projection F, to hold the two parts coincident, as specified.

2. A block, A, and tubular insulator, B, constructed and combined with a pin, D, to hold them together, as specified.

GEORGE W. KIDWELL.

Witnesses:

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