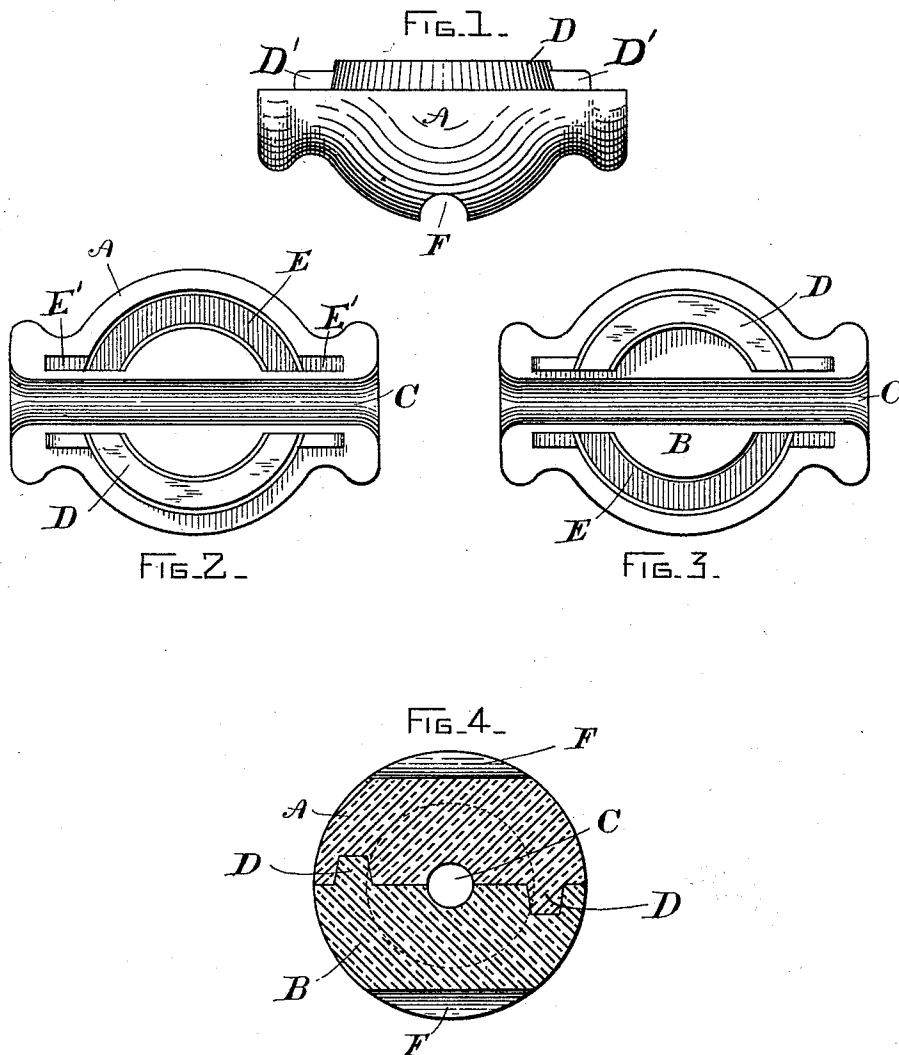


(No Model.)

H. P. BALL.  
INSULATING BLOCK.

No. 523,653.

Patented July 31, 1894.



WITNESSES.

A. F. Macdonald.

B. B. Hull.

INVENTOR.

Henry

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By H. M.

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# UNITED STATES PATENT OFFICE.

HENRY PRICE BALL, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE  
GENERAL ELECTRIC COMPANY, OF NEW YORK.

## INSULATING-BLOCK.

**SPECIFICATION** forming part of Letters Patent No. 523,653, dated July 31, 1894.

Application filed May 21, 1894. Serial No. 511,901. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY PRICE BALL, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented certain new and useful Improvements in Insulating-Blocks, of which the following is a specification.

This invention relates to insulating supporting blocks for the guard and span wires of trolley roads.

The object of this invention is to provide an improvement in insulating, guard wire-supporting blocks, by means of which the guard wire may be readily removed for repairs. To this end an improved insulating guard wire block is provided, formed in sections which are readily separable, and are so constructed as to be held from slipping on each other, and at the same time readily fitted together.

Referring to the accompanying drawings, Figure 1 is a side view in elevation of one of the sections of an insulating guard wire block constructed according to this invention. Figs. 2 and 3 are plan views of the sections of an insulating block, showing the interior construction thereof, and Fig. 4 is a transverse section in elevation of a guard wire insulating block, showing the sections fitted together.

A and B indicate respectively the sections of a guard wire insulating block constructed in accordance with this invention, each being formed with a longitudinal groove C to form a passageway for the guard wire and a semi-circular projection D having at its ends extensions D' and a semi-circular recess E having at its ends grooves E' at an angle thereto and parallel with the groove C which, when the meeting faces of the sections A and B are brought together, are respectively opposed and fit into each other, the projection D and its extensions D' on one section fitting into the opposite recess E and its groove E' on the other, and a projection D' being on

one side of a groove C while a recess E and its grooves E' are on the other side of the groove C on the face of each section A and B. By means of this construction the sections are readily interchangeable, and but one mold is required in manufacturing them, and the sections will be held firmly in place when put together.

Liebite is a compound set forth in United States Letters Patent No. 505,916, issued to Joseph Hoffman October 3, 1893.

What I claim is—

1. As a new article of manufacture, a section of an insulating guard-wire block, formed on its face with a central longitudinal groove for the guard-wire, a semi-circular projection on one side of the longitudinal groove and having extensions parallel therewith, a semi-circular recess on the other side thereof with grooves at its ends parallel with the longitudinal groove, the projections, extensions, recess and grooves, adapted to interlock with corresponding parts on an opposing section, and a groove on the back of the section transverse to the guard-wire groove.

2. As a new article of manufacture, an insulating trolley guard wire block formed in sections having on each of their meeting faces a longitudinal groove for the guard wire and semi-circular opposing projections and recesses with extensions parallel with the guard wire groove, on their meeting faces and on opposite sides of the guard wire grooves, the projection and its extensions on one face fitting into the opposing recess and its extensions on the opposite face, and span wire grooves on the exterior of the blocks transverse to the guard wire block.

In witness whereof I have hereunto set my hand this 15th day of May, 1894.

HENRY PRICE BALL.

Witnesses:

C. E. CARPENTER,  
J. M. ZAPATA, Jr.