

Dr. Elsasser, of Berlin, states that a new kind of telephone wire, having a low electrical resistance and of great tensile strength, is being experimented with in Germany. It consists of an aluminum bronze core in a copper-bronze envelope.

The original telephone patent of A. Graham Bell, which expired recently, was perhaps the only patent controlled by the Bell Company which was never disputed. Its broad claim was: "The method of, and apparatus for, transmitting vocal or other sounds, telegraphically, as herein described, causing electrical undulations similar in form to the vibrations of the air accompanying the said vocal and other sounds, substantially as set forth."

A composition which is designed for use with bearings, commutator brushes, projectile covers, may, it is stated, be prepared by mixing plumbago in excess with wood or other vegetable fibre. The materials are mixed with water, and the plastic mixtures moulded under pressure. The mould is so arranged that the water in escaping tends to set the fibres on end with regard to the bearing surface. When moulded the article is dried and impregnated with linseed oil, and the oil finally hardened by the application of heat.

**ROBIN & SADLER**  
*Leather Belting*  
 SPECIALTIES  
**DYNAMO BELTS WATERPROOF BELTING**  
 MONTREAL TORONTO  
 2518 & 2520 NOTRE DAME ST 120 BAY ST

**THE "CLARK" WIRE.**

*Insulation Guaranteed wherever used, Aerial, Underground or submarine.*



TRADE MARK.

In a letter from the Inspector of the Boston Fire Underwriters' Union, he states: "A thoroughly reliable and desirable Wire in every respect."

The rubber used in insulating our wires and cables is especially chemically prepared, and is guaranteed to be water-proof, and will not deteriorate, oxidize or crack, and will remain flexible in extreme cold weather and is not affected by heat. The insulation is protected from mechanical injury by one or more braids, and the whole slicked with Clark's Patent Compound, and special extra finish, which we have now adopted for all our solid wires as an extra weather-proof protection, and also preventing chafing and abrasion, which is water, acid, and to a very great extent fireproof. Our insulation will prove durable when all others fail. We are prepared to furnish Single Wires of all gauges and diameter of insulation for Telegraph and Electric Lights from stock. Cables made to order. We are now prepared to furnish our Clark Wire with a white finish for ceiling clear work as well as our standard color.

Clark Joint Gum should be used for making waterproof joints. This is put up in half-pound boxes, in strips about one foot long and five-eighths inch wide, and when wrapped about a joint and pressed firmly it makes a solid mass. For railway and Motor use, we make all sizes of stranded and flexible with Clark insulation. We guarantee our insulation wherever used, Aerial, Underground, or Submarine, and our net prices are as low, if not lower, than any other first-class Insulated Wire. We shall be pleased to mail Catalogues with terms and discounts for quantities.

TRADE MARK.



**EASTERN ELECTRIC CABLE CO.,**

61 to 65 Hampshire Street,  
 BOSTON, - MASS.

HENRY A. CLARK, Treasurer and Gen'l-Manager.  
 HERBERT H. EUSTIS, President and Electrician.

**VULCANIZED FIBRE CO.**

ESTABLISHED 1873.

SOLE MANUFACTURERS OF

**HARD VULCANIZED FIBRE**

*In Sheets, Tubes, Rods, Sticks and special shapes to order. Colors, Red, Black and Grey.*

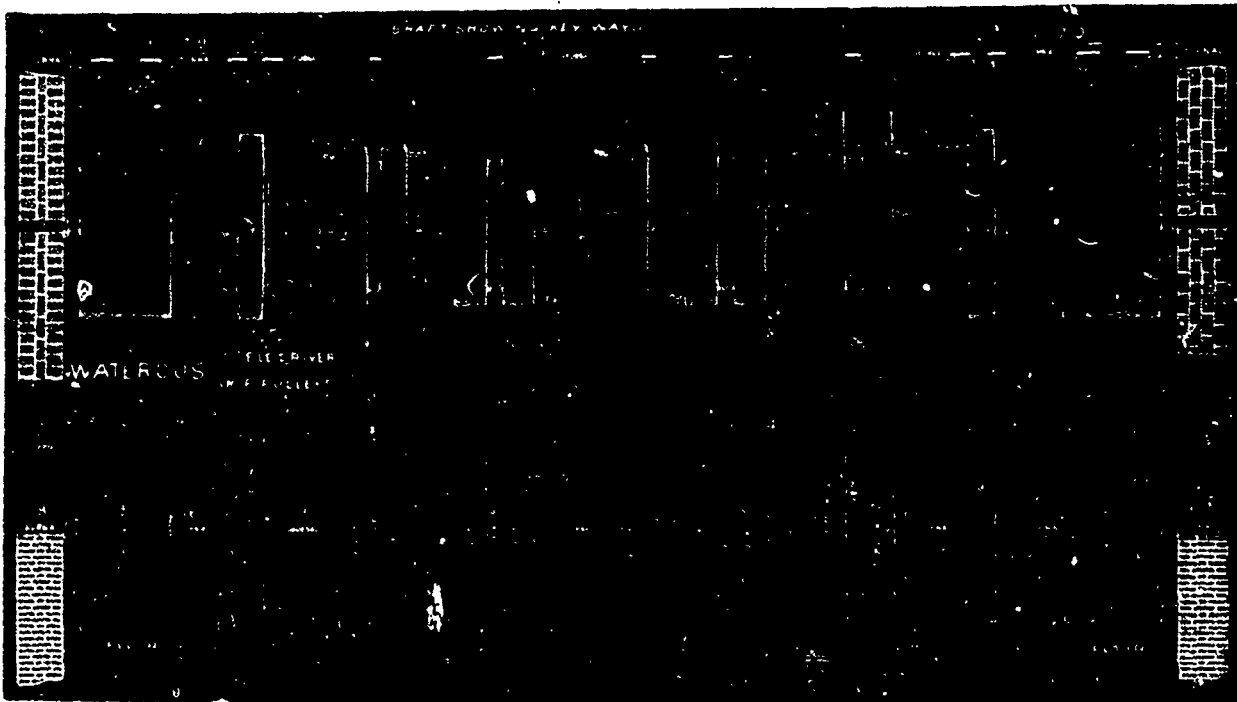
SEND FOR CATALOGUE AND PRICES.

**THE STANDARD ELECTRICAL INSULATING MATERIAL OF THE WORLD.**

Factory: WILMINGTON, DEL.

OFFICE: 14 DEY ST., NEW YORK.

**Economize space on shafting by using WATEROUS GRIP PULLEYS WITH DOUBLE DRIVERS**



NOTE.—Grips always motionless when pulley cut of clutch. Permits adjustment without stopping shaft pulley is on. Electric plants in Kingston, Hamilton, Montreal, Windsor, Perth, Smith's Falls, Wingham, &c., fitted with our grip pulleys gears and couplings.

**WATEROUS, BRANTFORD, CANADA**