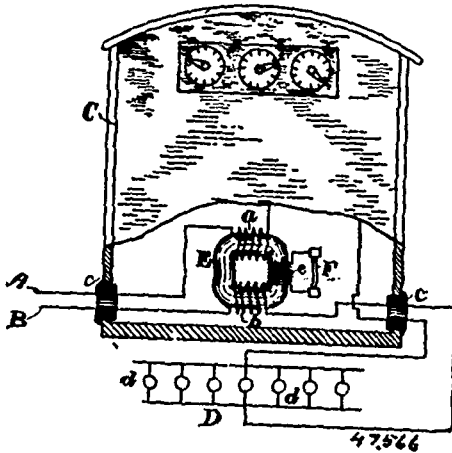
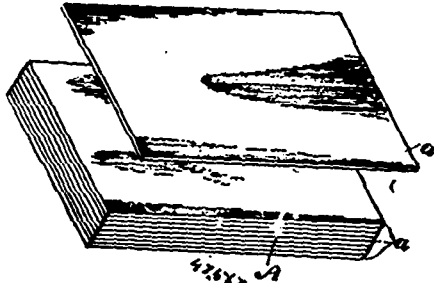


electric current meter provided with a magnetizable core on which the line wires are wound in reverse coils, and a device controlling



the line circuit and responsive to any disturbance in the balance between said coils, substantially as described.

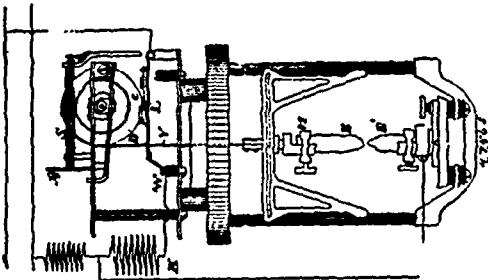
No. 47,567. Insulating Composition.
(Composition isolante.)



The Canadian General Electric Company, Toronto, Ontario, Canada, assignee of Elihu Thomson, Swampscott, Massachusetts, U.S.A., 1st December, 1894; 6 years.

Claim.—1st. The process of making insulating material which consists in applying non-carbonaceous material to sheets of paper, piling said sheets together, and drying the resulting mass. 2nd. The process of making insulating material which consists in applying silicious or equivalent material to sheets of paper, piling said sheets together, and drying and baking the resulting mass so as to consolidate the same. 3rd. The process of making insulating material which consists in applying to paper sheets an earthy or mineral substance with a binding material, piling said sheets together and drying and heating the resulting mass. 4th. As a new article of manufacture, an insulating material consisting of layers of carbonaceous material alternating with layers of silicious material. 5th. As a new article of manufacture, an insulating material consisting of layers of more or less carbonized paper and intervening layers of more or less vitrified silicious material.

No. 47,568. Safety Device for Electric Arc Lamps.
(Appareil de sûreté pour lampes électriques à arc.)

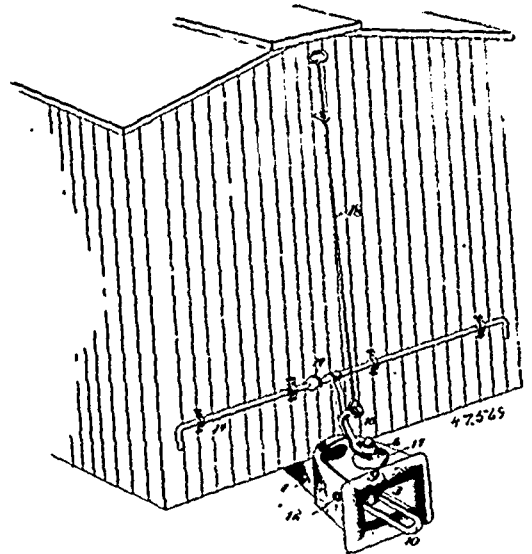


The Canadian General Electric Company, Toronto, Ontario, Canada, assignee of Elihu Thomson, Swampscott, Massachusetts, U.S.A., 1st December, 1894; 6 years.

Claim.—1st. The combination with the rotary support for the carbon holder, having a depression, of a circuit controller engaging

with such support, and means for impelling the engaging part of such controller into said depression. 2nd. In an arc lamp, the combination with the carbon holder, of a rotary support therefor having a depression, containing on one side an inclined surface, and a circuit controller having a projection engaging with said depression, substantially as described. 3rd. In an arc lamp, the combination with the carbon holder, of a rotary support therefor having a depression containing an inclined surface leading off to one side, and a circuit controller having a projection engaging with said depression, substantially as described. 4th. In an arc lamp, the combination with the carbon holder, of a spring-actuated drum, a ribbon wound on the drum and attached to the carbon holder, and a circuit closer adapted to be operated by said drum, substantially as described. 5th. In an arc lamp, the combination with the carbon holder, of a rotary support therefor, and a circuit controller adapted to be operated by said rotary support, substantially as described.

No. 47,569. Car Coupler. (Attelage de chars.)



John S. Heaton, Edward R. Willson, Augustine M. Webber, William A. McGrath and Moses L. S. Bunckener, all of Shelbyville, Kentucky, U.S.A., 1st December, 1894; 6 years.

Claim.—1st. In a car-coupling, the combination of a draw-head having a coupling-pin perforation and provided with a horizontal way intersecting the coupling-pin perforation and having a recess at the outer terminus of the way, a pin-supporting plate arranged in said way and adapted to project into the coupling-pin perforation to hold a coupling-pin elevated, and a swinging plate hingedly mounted in the draw-head and provided at its top with an upward extending pin the loop arranged in said recess and hingedly connected with the pin-supporting plate, substantially as described. 2nd. In a car-coupling, the combination with a draw-head and a coupling-pin, of a rock shaft designed to be mounted on a car and provided with an outward extending arm having its outer end bifurcated, said bifurcation tapering toward its inner end, whereby the coupling-pin is clamped, substantially as described. 3rd. In a car-coupling, the combination of a car, a draw-head and a coupling-pin, of a rock-shaft arranged transversely of the car and journaled thereon and provided with an outward extending arm connected with the coupling-pin, an eccentric mounted on the rock-shaft and arranged to engage frictionally and to bind the car whereby the coupling-pin is held elevated, substantially as and for the purpose described.

No. 47,570. Heat Regulator. (Régulateur de chaleur.)

The Consolidated Car Heating Company, assignee of James F. McElroy, both of Albany, New York, U.S.A., 3rd December, 1894; 6 years.

Claim.—1st. In a heat regulator, a seat provided along its front with two openings extending the full length thereof, one near the floor and the other near the top thereof, a heater placed beneath said seat, a shutter adapted to close said upper opening, each end of said shutter provided with a plate, a lifting bar attached to said shutter and to said plate, a lever connected with said plate by the operation of which each end of said shutter may be independently elevated or lowered as desired, so that the flow of heated air of one end of a car or other apartment may be controlled without affecting the flow of air to the other end of the same, substantially as described and for the purpose set forth. 2nd. In a heat regulator, a seat provided along its front with two openings, one near the floor and the other near the top thereof, a heater placed beneath said seat, a shutter adapted to close said upper opening, each end of said shutter provided with a