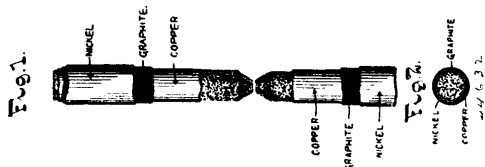
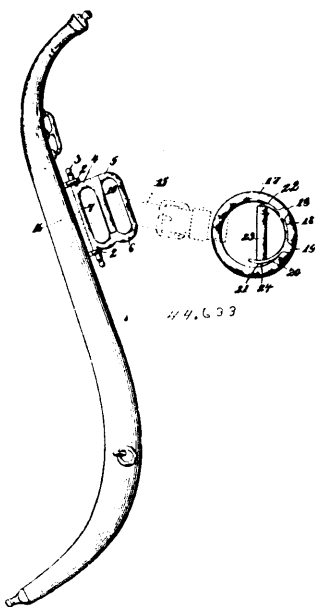


No. 44,632. Electrodes for Arc Lamps.*(Electrode pour lampes à arc.)*

Albert C. Scibold, Mount Vernon, and Charles H. Raymond, New York, all in the State of New York, U.S.A., 4th November, 1893; 6 years.

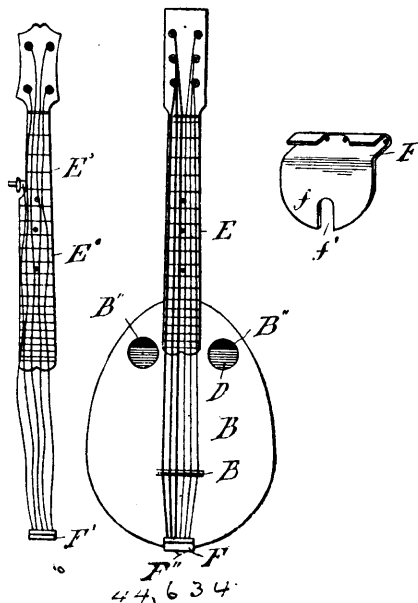
Claim.—1st. An electrode or carbon, provided with two 'metallic coatings and an intermediate coating of a non-metallic refractory material, substantially as described. 2nd. An electrode or carbon, provided with two coatings of different metals and an intermediate coating of graphite, substantially as described. 3rd. An electrode or carbon provided with an inner coating of copper, a graphite coating upon said copper, and an external coating of nickel, substantially as described. 4th. An electrode or carbon, provided with a plurality of metal coatings and a non-metallic refractory coating separating the metallic coatings, substantially as described. 5th. An electrode or carbon, provided with a coating of copper, a graphite coating upon said copper, and an external coating of a different metal, substantially as described.

No. 44,633. Line Bar Rings for Harness.*(Anneau d'attelles de harnais pour guides.)*

Mortimer C. Flack and Daniel Gross, both of Lake Geneva, and John G. Flack, Elkhorn, all in Wisconsin, U.S.A., 4th November, 1893; 6 years.

Claim.—1st. The herein described line guiding spreader ring, the same having at one side a reduced bearing portion and in line therewith a counter sink or seat, in combination with a tongue having an elongated slot loosely mounted on the reduced bearing portion, a spring interposed between the end of the slot and the bearing portion, and a lug on the free end of the tongue adapted to engage with the counter sink in the ring, substantially as specified. 2nd. The combination, with a hame, a pair of eye bolts extending therefrom, of a frame or ring having end trunnions engaging with the eye bolts, and an intermediate pivoted tongue adapted to close or subdivide the frame, substantially as specified. 3rd. The combination, with a hame and a pair of eye bolts projecting therefrom and in vertical alignment of a ring or frame having opposite trunnions at its inner corners, and its upper side between its ends reduced to form a bearing portion, and its lower side provided with a counter sink, a tongue having an elongated slot whose lower end is provided with a lug engaging with the counter sink, and a coiled spring seated in the slot and at its upper end bearing against the bearing portion, substantially as specified. 4th. A hames ring, comprising a frame, a spring pressed tongue yieldingly pivoted at its end to one side thereof and extending there across, and having a projection at its oppo-

site end adapted to catch in an aperture in the frame, and a spring connected to the tongue for normally holding the same in engagement with the aperture, substantially as specified. 5th. The frame, the tongue slotted at one end to loosely engage and reciprocate upon the same and extending there across, said tongue being provided at its outer free end with a lug for engaging an aperture in the frame, and a spring seated in the slot of the tongue and bearing against the frame to normally press the tongue in a yielding manner into engagement with said aperture, substantially as specified.

No. 44,634. Stringed Musical Hand Instrument.*(Instrument de musique à cordes.)*

James S. Black and George L. Orme, both of Ottawa, Ontario Canada, 4th November, 1893; 6 years.

Claim.—1st. In a new stringed musical hand instrument, the combination of an oval-shaped flat-backed shell of smaller size than a guitar, with a belly B, having a raised transverse ridge *b*, extending longitudinally over its entire length, and provided with two sound holes near the neck, a double internal sound board D, carried by a separate internal rim D¹, a neck secured detachably by means of a doweled butt joint *c*, and an eyed plate E¹¹¹, secured to the neck end and engaging a pin E¹¹, in the cross grain of the neck joint, and a tail piece having a bent and slotted end engaging a tail pin, substantially as set forth. 2nd. In a detachable neck joint, the combination of a butt face *c*, having a dowel hole therein, a dowel pin E¹, inserted in the neck end of the rim, and end block adapted to engage said hole, a plate E¹¹¹, secured to the back C, and end block A¹, and having a projecting end with an eye, and a pin E¹¹, inserted in the cross grain of the neck end parallel to the butt face and projecting at the lower end and adapted to engage the eye in the said plate, substantially as set forth. 3rd. In an interchangeable neck for stringed hand instruments, the combination with the shell of a neck having a butt joint fitted against the neck end of the shell, the dowel pin E¹, inserted in the rim and engaging a dowel hole in said butt face, the plate E¹¹¹, secured to the back under the end block and having a projecting end with an eye, a pin E¹¹, inserted in the cross grain of the neck end and projecting below and engaging the eye in said plate, a tail piece having a bent end *f*, with a slot *f*¹, a tail pin or screw F¹¹, in the tail end of the shell adapted to engage said slot in the tail piece, and the strings secured to said tail and the head of the neck, substantially as set forth. 4th. A new stringed musical hand instrument having a shell of smaller size than a guitar and similarly constructed, but consisting of an oval shaped belly B, having a raised ridge *b*, extending from end to end and provided with sound holes or sound hole, flat back of similar shape joined by a flat rim A, and fitted with a guitar or banjo neck, substantially as set forth. 5th. A new stringed musical hand instrument having a shell of smaller size than a guitar and similarly constructed, but consisting of oval shaped belly and back joined by a flat rim and fitted with a guitar or banjo neck, substantially as set forth.

No. 44,635. Shoe Tip. *(Protecteur de chaussures.)*

The American Shoe Tip Company, assignees of George W. Dixon, all of Lynn, Massachusetts, U.S.A., 4th November, 1893; 6 years.

Claim.—1st. A shoe tip or toe protector having a flap extending from the edge of the upright portion thereof, said flap being turned