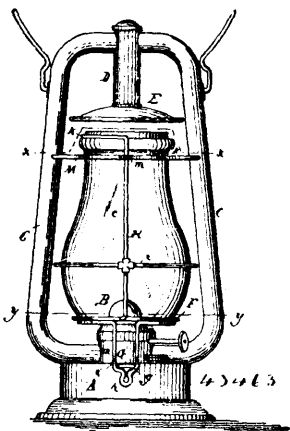


of a notched webbing, a crown thereon, and lobes or flanges projecting from said crown, substantially as set forth. 5th. The general combined arrangement and construction of parts forming the improved tire, substantially as set forth.

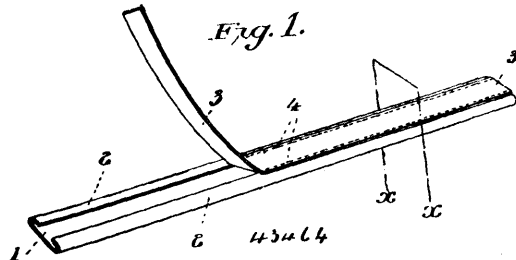
**No. 43,463. Tubular Lantern.** (*Lanterne tubulaire.*)



Frederick Dietz, assignee of Lewis Fulton Betts, both of New York, State New York, U.S.A., 4th July, 1893; 6 years.

*Claim.*—1st. The combination, with the lantern base, side tubes and belt, constituting a rigid lantern frame, and the globe, of a globe frame hinged at its rear side to the lantern base, a catch secured to the lower front portion of the globe frame, and a stop on the front side of the base with which said catch interlocks, whereby the tilting movement of the globe frame in the rigid lantern frame is controlled by holding the catch, and the globe frame is locked in its normal position to the base without attaching it to the bell, substantially as set forth. 2nd. The combination, with the lantern base, side tubes and bell, constituting a rigid lantern frame, and the globe, of a globe frame hinged at its rear side to the lantern base, a catch secured to the lower front portion of the globe frame, a stop on the front side of the base with which said catch interlocks, and a cross piece secured to the front side of the rigid lantern frame opposite the upper position of the globe, whereby the globe frame is locked to the base, and the upper portion of the globe is drawn against the front cross piece in locking the globe frame to the base, substantially as set forth. 3rd. The combination, with the tubular lantern frame and the globe, of a globe plate hinged to the lantern frame, upright wires secured to said plate and arranged on the front and rear sides of the lantern, a bow wire connecting the upper ends of the front and rear wires on one side of the globe, and a guard ring connecting the middle portions of the front and rear wires, whereby the globe can be removed laterally upon tilting the globe frame, substantially as set forth. 4th. The combination, with the tubular lantern frame and the globe, of a globe plate hinged to the rear side of the lantern frame upright wires secured to said plate and arranged on the front and rear sides of the lantern, a bow connecting the upper ends of said wires and bearing against one side of the globe, and a cross wire secured to the tubular frame on the front side thereof, and supporting the front wire, substantially as set forth. 5th. The combination, with the tubular lantern frame, of a tilting globe frame composed of a supporting plate hinged to the base of the lantern, upright wires secured to said plate and arranged on the front and rear sides of the lantern, a bow connecting the upper ends of said wires and embracing one side of the globe, and a fixed bow secured to the lantern frame and embracing the front of the globe, whereby the upper end of the globe is clasped at one side and at the front when the globe frame is in its normal position, but permitted to be removed laterally when the globe frame is swung back, substantially as set forth.

**No. 43,464. Dress Stay.** (*Busc de corset.*)

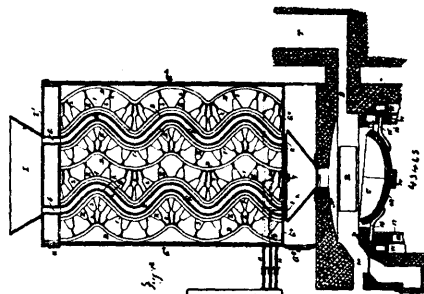


Morris P. Bray, Ansonia, Connecticut, U.S.A., 4th July, 1893; 6 years.

*Claim.*—1st. A casing for a dress stay stiffener, the same comprising a base strip having its lateral edges folded inwardly, and a

woven fabric strip having salvage lateral edges and superimposed upon said base strip, both of such strips being united by rows of stitches through their edges, substantially as set forth. 2nd. In a dress stay casing, the combination of a base strip of cloth having its lateral edges folded inwardly, and a superimposed upper strip of woven fabric with selvage lateral edges, the latter resting upon the folded edges of the base strip and secured thereto by rows of stitches, substantially as set forth.

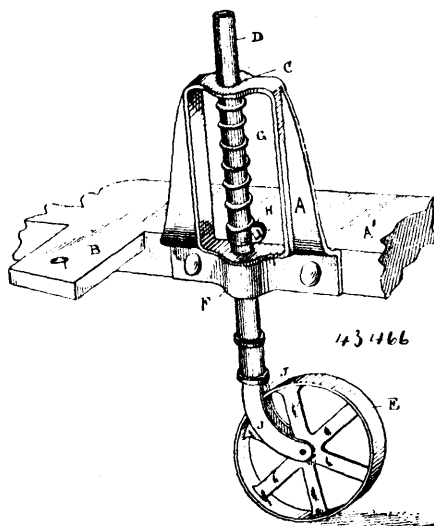
**No. 43,465. Apparatus for Deoxidizing, etc.**  
(*Appareil pour désoxyder, etc.*)



Henry Anwyl Jones, Brooklyn, New York, U.S.A., 4th July, 1893; 6 years.

*Claim.*—1st. The combination, with the vertical ranges of deoxidizing chambers, of intermediate gas supply chambers, branch pipes and funnels within which the air and gas are mixed, and gauze or perforated plates through which the air and gas pass to the flame, the flame being directed upon the exterior surface of the deoxidizing chambers, substantially as set forth. 2nd. The combination, with the vertical ranges of deoxidizing chambers, each composed of zigzag or undulating plates, of gas burners, gauze or perforated plates through which the mixed air and gas pass the flame, and two-part frames in which the gauze or perforated plates are supported and from which they may be removed, substantially as set forth. 3rd. The combination, in a deoxidizing apparatus, of a range of vertical chambers or retorts, having undulating or zigzag plates to agitate the material as it descends, gas chambers between the vertical deoxidizing chambers and burners receiving gas from such chambers, and directing the flame against the undulations, substantially as specified. 4th. The combination, with the deoxidizing apparatus, of an automatic rotary and oscillating hearth upon which the carbon and deoxidized ore is discharged and means for directing heat upon such hearth, substantially as set forth.

**No. 43,466. Tongue Support.** (*Appui de timon.*)



Daniel Ward and Alfred E. Grenier, both of Peoria, Illinois, U.S.A., 4th July, 1893; 6 years.

*Claim.*—1st. In a tongue support, the combination with the tongue, of the upright frame or yoke and having an aperture C in the top thereof, an aperture in the bottom thereof, the upright bar or shaft D having bearings in said apertures of the frame A, a spiral spring G encircling said shaft D, a clip or clamp H adjustably secured to said shaft and a wheel E journaled at the lower end of the shaft D by the fork J J, substantially as set forth and described. 2nd. The combination with the tongue A, of the upright frame A,