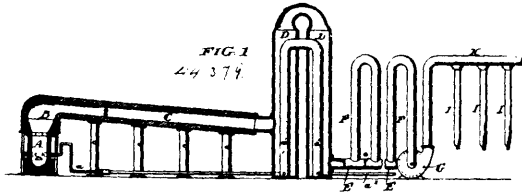


No. 44,379. Process of Making Sublimed Lead Pigment. (*Procédé de fabrication du blanc de plomb sublimé.*)



Eayre O. Bartlett, Joplin, Missouri, U.S.A., 4th October, 1893; 6 years.

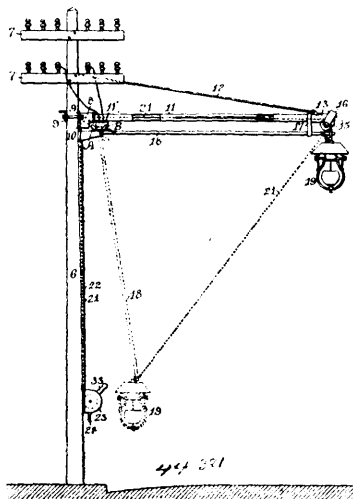
Claim.—1st. The process of manufacturing a sublimed lead pigment which consists in driving off fumes of lead from lead bearing material in suitable furnaces, conducting the fume and products of combustion through fumes connected with the furnaces and maintained at a bright red heat in order to effect the fusion of a part of the fume, and to increase the purity and density of the unfused portion, and separating the purified fume from the gaseous products of combustion by screening. 2nd. The process of manufacturing a sublimed lead pigment, which consists in maintaining a flue of refractory material at a bright red heat by conducting it through the products of combustion from two or more furnaces, driving off lead fumes from material treated in all or a portion of said furnaces and conducting it with the products of combustion through said flue to effect a partial melting of said fumes and increase the purity and density of said fume, and finally separating the purified fumes from the gaseous products of combustion by screening.

No. 44,380. Method of Treating Roasted and Ground Coffee. (*Méthode de traitement de café grillé et moulu.*)

Samuel J. Bradley, Paris, Texas, U.S.A., 4th October, 1893; 6 years.

Claim.—1st. As an improved article of manufacture and commerce, roasted and ground coffee with which is incorporated a suitable quantity of egg albumen, after which the coffee thus treated is pressed into blocks or tablets of suitable size and shape and then dried, substantially as and for the purpose set forth. 2nd. As a merchantable article of manufacture, compressed coffee blocks or tablets consisting of roasted and ground coffee mixed with egg albumen, pressed into shape and dried, substantially as and for the purpose set forth.

No. 44,381. Support for Electric Lamps. (*Support pour lampes électriques.*)

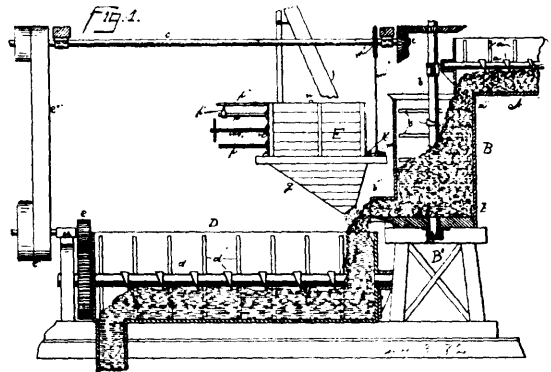


Augustus Wright, Providence, Rhode Island, U.S.A., 4th October, 1893; 6 years.

Claim.—1st. In an electric lamp support, the combination, with a mast arm suitably supported, a pivoted drop arm, a lamp secured to the end thereof, and a metallic band by which the lamp is sustained, of a rocking bearing, over which the band is passed, carried by the outer end of the mast arm, as described. 2nd. In a support for electric lamps, the combination, with a mast arm suitably supported, and a hollow fitting 13 secured thereto, of the pulley frame 14 pivoted in the fitting, a pulley 15 journalled between the ends of

said frame, a metallic band 21 bearing on said pulley, and a lamp secured to the end of said band, as described. 3rd. In a support for electric lamps, the combination, with a mast and an arm extending therefrom, of a capstan case 23, a drum 24 carried by the shaft 25, having the pin 26 journalled therein and having a groove to receive the band 21, a brake band 27 extending around said drum and operated by the lever 28, extending through and pivoted to the bottom of the case, a ratchet wheel 29, also secured to said shaft, a pawl 30, having the depending arm 31 pivoted to the back of the case and engaging said ratchet, a crank shaft 32 having the tapering enlargement 35, an axial recess formed in said shaft, and a transverse slot cut through the end portion thereof and adapted to engage the transverse pin 36, a groove 37 formed around said crank shaft, and a counterweighted pivoted plate 38, adapted to engage in said slot, and to be operated by the arm 41, as described. 4th. The combination, with the pole 6, and a capstan secured thereto, the hollow casting 8 secured to the upper portion thereof by the yokes 9 9, and suitable bolts, a pulley 10 journalled within said casting, a tubular mast arm 11 rigidly secured in the end of said casting and having the depending fingers 17, and the upper stay 12 secured to the outer end of said arm, the hollow fitting 13 secured to the end of the arm, a pulley frame 14 supported by said fitting, and a pulley 15 journalled between the ends of said frame, of the tubular rigid stay 18 pivoted to the mast 6, and a metallic band 21, secured to the outer end of said stay, passing over said pulleys 10 and 15, and secured at the outer end to the capstan drum contained within said case 23, as and for the purpose described. 5th. In a support for electric lamps, the combination, with a mast, a rigid mast arm, and connecting blocks pendent therefrom and connected in the main circuit, of a pivoted drop arm carrying contact fingers and local electrical wires connected therewith. 6th. The combination, in a support for electric lamps, with a mast, the rigid tubular mast arm 11, the pendent connecting blocks 11' supported therefrom, and the main conductors connected with said blocks, of the drop arm 18 pivoted to a bracket on said mast, the contact fingers A and B carried by the drop arm, and the local conductors contained within the arm and connected with the fingers B, as and for the purpose described.

No. 44,382. Process of and Apparatus for Making Portland Cement. (*Procédé et appareil pour faire le ciment de Portland.*)



Henry Froehling, Richmond, Virginia, U.S.A., 4th October, 1893; 6 years.

Claim.—1st. The combination with the pug mill, the brick machine connected to its discharge opening, of the feed box consisting of a body having a hopper shaped bottom and the discharge orifice therefrom, longitudinal grooved grinding rollers mounted in said body above the discharge orifice, and adapted to be rotated inwardly, and the vertical partition above said roller, reciprocated longitudinally to said rollers by a hand screw connected to it and passing through a nut on said body, said brick machine and feed box being arranged to commingle their discharge, and a second pug mill receiving said commingled matters, and a scale bar attached to said body, and a pointer mounted upon said partition connected to said partition and passing outward through said body and provided with a pointer upon its outer end, to indicate upon said scale the distance of the longitudinal traverse of the partition. 2nd. In a mixing apparatus, a feed box consisting of a body having a hopper shaped bottom and discharge orifice therefrom, longitudinal rollers mounted in the bottom of the body, provided with V-shaped longitudinal grooves and adapted to be rotated inwardly, and a vertical sliding partition in said body, standing transverse to said rollers, and a hand screw passing through a nut upon said body and centrally connected to said partition, whereby the latter is adjusted longitudinally above said rollers and longitudinally thereto. 3rd. The combination with the pug mill, the brick machine receiving the discharge therefrom, of the feed box provided with feed rolls having longitudinal V shaped grooves and adapted to be rotated inwardly, and means to adjust it longitudinally in the box to vary the feed of the rollers, and the pug mill receiving the commingled discharges from said brick machine and feed box. 4th. The combination with the pug