

limit the endwise motion of the steels, substantially as specified. 3rd. The combination of two steels A, B, the former longer than the latter, and provided with rivet holes and notches at each end, the steel B, provided with elongated notches, a pocket cover P, drawn over the two steels, and tips *t, t*, doubled over the ends of the steel A, and cover and secured by a rivet passed through the tips, cover and steel A, substantially as specified.

No. 44,620. Coating for Wall Paper, etc.
(*Enduit pour papier à tenture.*)

John Walker and Harry Carver, Pendleton, Lancaster, England, 3rd November, 1893; 6 years.

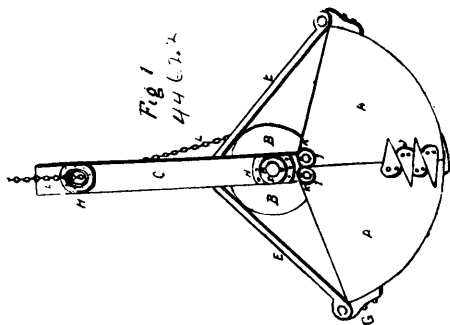
Claim.—1st. The process of manufacturing a substance impervious to moisture, and capable of resisting the action of strong disinfectants for coating or printing upon wall paper, calico or other fabric, or for coating walls or other structures which consists in treating or melting resin and linseed oil with caustic lime, then adding petroleum or an oily spirit to reduce it to the required consistency and mixing therewith a suitable earthy matter (such as Paris white, China clay, Oxide of Zinc or the like) to give the required body with a pigment or colouring matter, substantially as described. 2nd the process of manufacturing a substance impervious to moisture, and capable of resisting the action of strong disinfectants for coating wall paper, paper hangings, calico, walls or other fabrics or structures, which consists of mixing with melted resin a quantity of caustic lime and linseed oil, then adding petroleum, turpentine or other oily spirit to reduce it to the required consistency, treating it with a solution of soda and tartarate salts to emulsify, and then grinding with a suitable earthy matter such as described, to give the desired body thereto, with the addition of a pigment or colouring matter to give the desired colour or tint, substantially as described. 3rd. A substance for coating or printing wall papers, paper hangings, calicoes, walls or other fabrics or structures, consisting of resins treated with caustic lime, linseed oil, a reducing oil (such as petroleum or an oily spirit), with which is intimately mixed and ground a suitable earthy substance (such as Paris white, China clay or oxide of zinc), and a pigment to give the desired shade or colour. 4th. A substance for coating paper hanging, walls, or other fabrics or structures, consisting of resin and linseed oil treated with caustic lime, and a suitable reducing oil emulsified by the addition of soda lime, and salts of tartar, with which is mixed and ground a suitable earthy substance to give body, and a pigment to give the desired shade or colour, substantially as described.

No. 44,621. Process of Extracting Gold and Silver from Ores and the Like. (*Procédé pour extraire l'or et l'argent des minerais et autres.*)

John Stewart MacArthur and Charles James Ellis, both of Glasgow, Scotland, 3rd November, 1893; 6 years.

Claim.—1st. In the MacArthur-Forrest process for extracting gold and silver from ores and the like, the addition to the cyanide solution or to the ore, or to the mixture of ore and cyanide, of salts or compounds of leads, substantially as and for the purposes hereinbefore described. 2nd. In the MacArthur-Forrest process for extracting gold and silver from ores and the like, the addition to the cyanide solution or to the ore, or to the mixture of ore and cyanide, of any one or more of the metallic salts or compounds hereinbefore indicated, and capable of forming insoluble sulphides, as and for the purposes hereinbefore described.

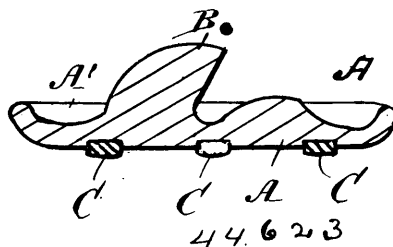
No. 44,622. Dredging Machine. (*Cure-môle.*)



William Brooks, Liverpool, Nova Scotia, U.S.A., 3rd November, 1893; 6 years.

Claim.—1st. The combination of bucket A, A, with windlass B, B, bail C, C, plate F, rods E, E, hoisting chains L, L, opening chain M, and closing chain N, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of rods O and P, with bail C, C, plate F, and bucket A, A, substantially as and for the purposes hereinbefore set forth.

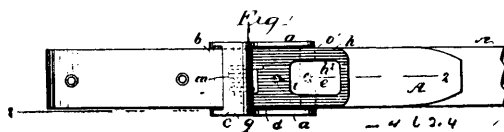
No. 44,623. Apparatus for Facilitating the Opening of Oysters. (*Appareil pour aider à ouvrir les huîtres.*)



Frederic Lumb Wanklyn, Montreal, Quebec, Canada, 3rd November, 1893; 6 years.

Claim.—As a new article of manufacture, an oyster rest or holder, being a platter having circumferential depression and central boss or raised portion with transverse incline therein, for the purposes set forth.

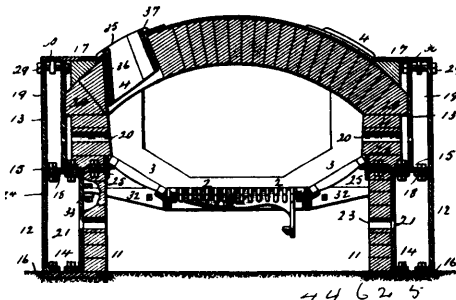
No. 44,624. Buckle. (*Boucle.*)



George M. Aylsworth, Collingwood, Ontario, Canada, 3rd November, 1893; 6 years.

Claim.—1st. In a buckle, the frame, comprising two side-bars and four cross-bars, constructed and arranged as herein described. 2nd. In a buckle, the frame, comprising two arched side-bars, two end cross-bars, an intermediate cross-bar and a cross-bar at the tops of the arches, substantially as described. 3rd. In a buckle, the frame, comprising two arched side-bars, two end cross-bars, an intermediate cross-bar, a locking pin on one end cross-bar, and a cross-bar, at the tops of the arches, substantially as described. 4th. In a buckle, the frame, comprising two arched side-bars, two end cross-bars, an intermediate cross-bar, locking pins on one end cross-bar, and on the intermediate cross-bar, and a cross-bar at the tops of the arches, substantially as described. 5th. In a buckle, the combination, with a frame, composed of two arched side-bars, two end cross-bars, an intermediate cross-bar, locking pins on the cross-bars, and a cross-bar at the tops of the arches on the side-bars, of a spring pressed tongue piece, and a locking stud on the lower side of said tongue piece, substantially as described.

No. 44,625. Smokeless Furnace. (*Fournaise sans fumée.*)



James V. Burke, Chicago, Illinois, U.S.A., 3rd November, 1893; 6 years.

Claim.—1st. The combination in an arched top furnace, of the arched top 1, and side walls composed of an inner brick lining 11, horizontal plate 15, and vertical plates 12 and 13, having air ducts 19 between them, substantially as set forth. 2nd. The combination in an arched top furnace, of the arched top 1, and the side walls composed of an inner brick lining 11, horizontal plate 15, and vertical plates 12, 13 and 14, having air ducts 19, 21 between them, substantially as set forth. 3rd. The combination in an arched top furnace, of the arched top 1, and side walls composed of an inner brick lining 11, vertical plates 12, 13 and 14, horizontal plates 15, 16 and 17, bolted together to form enclosing casings for the walls, substantially as set forth. 4th. The combination in an arched top furnace, of the arched top 1, and side walls, having horizontal plates 15, with the upper bearing bars of the inclined grates attached thereto by bolts 26, and elongated slots 27, substantially as set forth. 5th. The combination of an arched top furnace of the side walls provided with vertical plates or partitions 14, and the rear bearing bars 32,