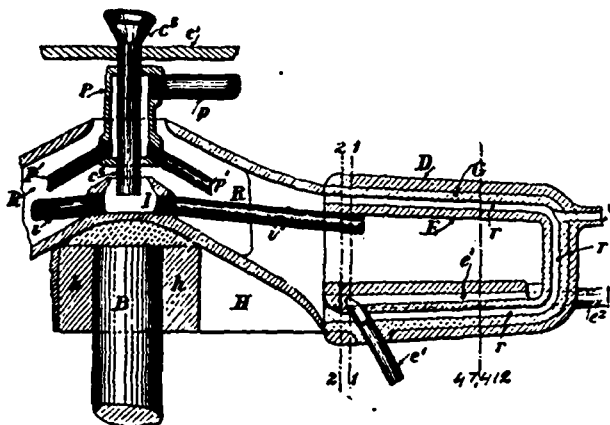


provided with overlapping laterally adjustable plates, means for synchronously adjusting said plates, and mechanism for equalizing the adjusted distance of the plate relative to one another. 7th. A mattress stuffing machine constructed with a floor and top, each provided with laterally adjustable overlapping plates, means for synchronously adjusting said plates, and a lazy-tongs mechanism connecting said plates, whereby the relative movement of the plates to each other is equalized. 8th. In a mattress stuffing machine, a spout composed of a fixed lower horizontal central plate, and lower side laterally adjustable plates, in combination with a hinged cover extended forwardly to constitute the upper section of the spout, and having laterally adjustable plates, the outer side plates thereof having depending flanges. 9th. In a mattress stuffing machine, the combination with a bottom and a hinged cover, each formed with overlapping plates and adjustable sides, of mechanism for synchronously operating said plates, an adjustable spout, an adjustable gate, substantially as described. 10th. A mattress stuffing machine constructed with a bottom, sides, gate, spout and cover, each of said parts being laterally adjustable and connected together so as to be adjusted, in combination with a mechanism for effecting said adjustment. 11th. The combination, with the frame and the swinging cover mounted thereon, of slotted wear-plates secured to the sides of the cover, a rock-shaft mounted on the frame near the base thereof and provided with levers, rods pivoted to said levers and adapted to engage slots in the wear-plates, and nuts mounted on the upper ends of the said rods. 12th. In a mattress stuffing machine, the combination with the gate, consisting of a fixed central plate, a U-shaped bar secured thereto, and side plates moving laterally in said bar over the central plate, of a hand-lever connected to the gate, an angle lever connected to the hand-lever, and a spring bearing on the hand-lever to hold the gate normally closed. 13th. In a mattress stuffing machine, the combination, with a suitable laterally adjustable bed, of side boards attached to the margins thereof and both laterally adjustable, a longitudinal plunger shaft approximately central with reference to the bed, a variable plunger attached to said shaft and adapted to be moved longitudinally in the stuffing-box and a suitable cover for the stuffing-box. 14th. In a mattress stuffing machine, the combination with a suitable laterally adjustable bed, side boards attached to the margins of the bed and laterally adjustable with reference to the centre thereof and an approximately central longitudinal plunger shaft lying within the stuffing-box, of a laterally adjustable plunger mounted upon the shaft and adapted to moved thereby and a suitable cover for the stuffing-box.

#### No. 47,412. Centrifugal Separator for Molten Metals.

(Séparateur centrifuge pour le métal fondu.)

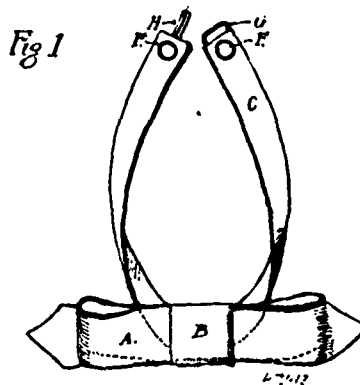


Jonathan Aldous Mays, Hampstead, County London, England, 7th November, 1894; 6 years.

**Claim.**—1st. In an apparatus for separating molten metals and similar substances from each other by the action of centrifugal force alone, the combination of a revolvable receiving vessel, means for rotating the same, a gas air supply for producing an oxidising or reducing flame, an eduction tube or tubes, and one or more collectors for receiving the separated substances, substantially as described. 2nd. In an apparatus for separating molten metals and similar substances from each other by the action of centrifugal force alone, the combination of a revolvable receiving vessel, means for rotating the same, a heated air supply for producing an oxidising effect, an eduction tube or tubes, and one or more collectors for receiving the separated substances, substantially as described. 3rd. In an apparatus for separating molten metals and similar substances from each other by the action of centrifugal force alone, the combination of a revolvable receiving vessel, means for rotating the same, a chamber for melting or smelting the solid substances, a gas and air supply for producing either an oxidising or a reducing flame, an eduction tube or tubes, and one or more collectors for receiving the separated substances,

substantially as described. 4th. In an apparatus for separating molten metals and similar substances from each other by the action of centrifugal force alone, the trap or siphon apparatus for governing the radial levels of the different molten substances, substantially as described. 5th. In the apparatus for centrifugally separating molten metals, and similar substances from each other, the device for cooling the deflectors or collectors, substantially as shown and described. 6th. In the apparatus for centrifugally separating molten metals and similar substances from each other, the devices for heating the collectors, or their contents, substantially as shown and described.

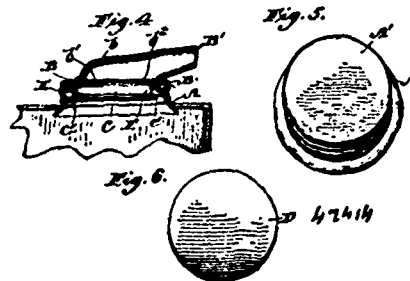
#### No. 47,413. Celluloid Ties. (Faux-col en cellulose.)



François-Xavier Bessette, Montréal, Québec, Canada, 8th November, 1894; 6 ans.

10.—Dans un faux-col en feuille de cellulose, la combinaison d'une boucle A en feuille de cellulose réunie à une bande en élastique ou autre étoffe quelconque C avec un crampon en métal E, tel que ci-dessus décrit et pour les fins indiquées. 20. Dans un faux-col en cellulose, la combinaison de la bande B en feuille de cellulose réunie à la boucle A avec une agrafe en métal D et recouvrant, sur le devant de la boucle A, le crampon E et l'agrafe D, tel que ci-dessus décrit et pour les fins indiquées. 30. Dans un faux-col en cellulose, la combinaison des crampons F avec la bande élastique ou d'autre étoffe quelconque C pour relier l'aillet G et l'agrafe H aux extrémités de la bande C, tel que ci-dessus décrit et pour les fins indiquées.

#### No. 47,414. Cap for Cans. (Couvercle de boîte métallique.)



George J. Record, Comeaut, Ohio, U.S.A., 8th November, 1894; 6 years.

**Claim.**—1st. A receptacle having a filling opening and a screw-neck for said opening provided with an internal flange, in combination with a sealing disc or seal of thin material having projecting parts which snap under the said flange and hold the sealing disc or seal against withdrawal, substantially as set forth. 2nd. A receptacle having an opening surrounded by an inwardly extending flange in combination with a sealing disc or seal of thin material having projecting parts which snap under the said flange and hold the sealing disc or seal against withdrawal, substantially as set forth. 3rd. A receptacle having an opening surrounded by an inwardly extending flange, in combination with a sealing disc or seal of thin material adapted to snap under the said flange by elasticity and be held against withdrawal, substantially as set forth.

#### No. 47,415. Upper for Boots and Shoes, and Apparatus for Manufacturing Same. (Empiègne de chaussure et appareil de fabrication.)

Christian Chaskel Eisenberg, Berlin, Prussian, 8th November, 1894; 6 years.

**Claim.**—1st. An upper for boots and shoes having an outer edge or welt formed in one piece with it, and adapted to serve as the means of attaching it to the sole, as set forth. 2nd. An apparatus