oscillate opposite the teeth of the wheels, a means for oscillating the lever movable ends to the levers, a means for operating the movable

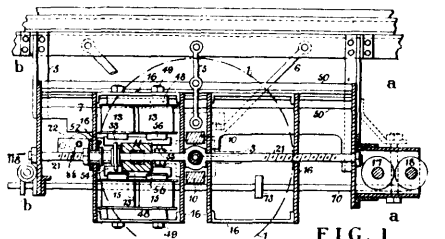
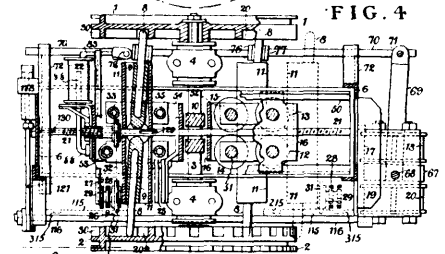


FIG. 1.

FIG. 4



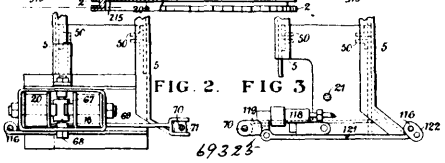
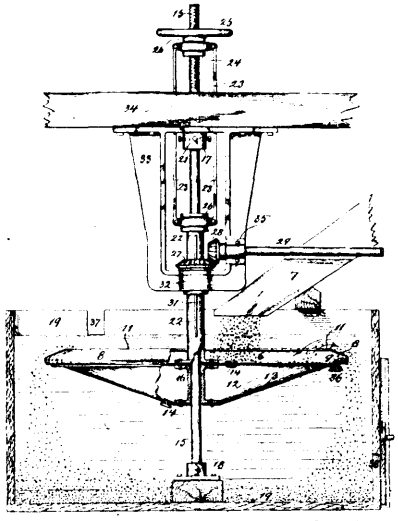


FIG. 2. FIG 3

69323

ends to gear or ungear with the teeth and a means for connecting the levers so that the power applied to both levers is transmitted to the working lever.

No. 69,326. Ore Separator. (*Séparateur de minerai.*)

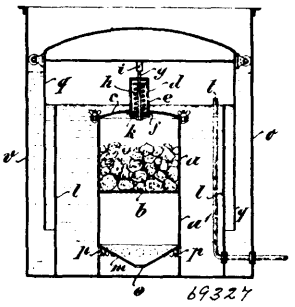


69326

Harry C. Robinson, Cincinnati, Ohio, U.S.A., 14th November, 1900; 6 years. (Filed 3rd August, 1899.)

Claim.—1st. In a centrifugal separator, the combination of a horizontally supported pan, consisting substantially of a flat bottom having an annular pocket 9, formed at its outer edge, and means to rotate said pan in a manner that by reason of the ensuing centrifugal force developed, matter resting upon the bottom of the pan will slide outwardly thereon until arrested and received by pocket 9. 2nd. In an ore separator, the combination of a body of water, a pan with an annular pocket 9, horizontally supported below the surface of such water, and means to rotate the pan. 3rd. In an ore separator, the combination of a body of water, a pan with an annular pocket 9, horizontally supported below the surface of such water, means to rotate this pan, an upright post serving as a centre of such rotation and holding the pan to its proper position, and an air chamber under this latter to aid in sustaining the same at a certain level. 4th. In an ore separator, the combination of a body of water, a pan with an annular pocket 9, an upright post on which it is horizontally supported, means to rotate this pan and means to adjust the position thereof horizontally and with reference to the water level. 5th. The method of separating in a mineral conglomerate the heavier from the lighter substances, which consists in subjecting the mass to rotation while supported upon a pan submerged in water and provided with an annular pocket, the water causing the mass to disintegrate, after which the same is thrown outwardly by centrifugal force, the heavier matter remaining on the bottom and sliding thereon into the pocket of the pan, while the lighter matter is carried with the water over the edge of the same. 6th. In an ore separator, the combination of an upright post, a hub mounted thereon, a pan horizontally supported on this hub, an annular pocket provided on this pan and means to rotate this latter. 7th. In an ore separator, the combination of an upright post, a hub mounted thereon, a pan horizontally supported on this hub, an annular pocket provided on this pan, a sleeve 22, connected to the hub, and a pair of bevel wheels, one mounted on sleeve 22, to effect rotation of the pan. 8th. In an ore separator, the combination of an upright post, a hub mounted thereon in a manner to be capable of a sliding adjustment, a pan horizontally supported on this hub and provided with an annular pocket, a sleeve connected to this hub, and a hand wheel mounted on the upper portion of the post which is screw threaded thereat and operatively connected to the device for the purpose of raising or lowering the same. 9th. In an ore separator, the combination of a horizontally supported pan, means to rotate the same and an annular pocket at the outer edge thereof, formed by turning up such edge and attaching thereto an upwardly and inwardly projecting rim 8. 10th. In an ore separator, the combination of an upright post supported in bearings 17 and 18, a hub mounted thereon, a pan horizontally supported on this hub, a sleeve connected to this latter, a pair of bevel wheels, one operatively connected to the sleeve and supported in a bearing 32, a shaft 29, driving the other bevel wheel and supported at one of its ends in a bearing 35, and a bracket 33, containing bearings 35, 32 and 17.

No. 69,327. Acetylene Gas Generator.
(*Générateur de gaz acétylène.*)



69327

Hans Berger, 15-16 Kaiserin Augusta Allee, Berlin, Germany, 14th November, 1900; 6 years. (Filed 29th August, 1899.)

Claim.—1st. In an acetylene gas generating apparatus, the combination with the vertically movable water sealed gas reservoir, of an inner water holding tank, a carbide holder mounted in said tank, surrounded by and communicating with the water in the tank, a water inlet arranged to communicate with the interior of the carbide holder, and a self closing gas outlet valve adapted to be opened by the movement of said gas reservoir, whereby the flow of water into the carbide holder through said water inlet is controlled, substantially as described. 2nd. In an acetylene gas generating apparatus, the combination of the removable perforated holder or receiver containing the calcium carbide closed at its upper end and having an op ning in the lower end for the passage of water and the gas generator, a water holding tank surrounding the said holder and in communication with the carbide through the said opening in the holder, a self closing valve communicating with the interior of the holder, a vertically movable water sealed gasometer or reservoir surrounding and enclosing said tank, holder and valve, arranged to open the latter when the supply of gas in the reservoir is nearly exhausted, thereby allowing the water to unite with the carbide to generate acetylene gas and re-charge the reservoir, substantially as hereinbefore described. 3rd. In an acetylene gas generator, a shell for containing water, a vertically movable gasometer, and a tank which is submerged in the water and provided with a valve in its top, and an opening through its bottom, combined with a carbide holder placed in said tank, and means for operating the valve when the gasometer descends, substantially as shown.

No. 69,328. Printing Machine. (*Machine à imprimer.*)

Johnson Ross Corbin, Philadelphia, Pennsylvania, U.S.A., 14th November, 1900; 6 years. (Filed 14th March, 1900.)

Claim.—1st. In a printing machine, means for imparting a mutli-colour print at a single impression, a plurality of carriers each carrying a plurality of surfaces each inked in multi-colour, and means for transferring said inkings successively to the printing means, each