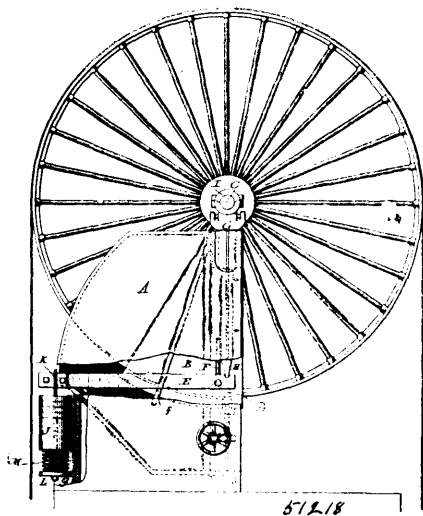


**No. 51,218. Band Saw-Mill. (*Scierie à lame sans fin.*)**

Dempsey B. Hanson, San Francisco, California, and The Edward P. Allis Company, Milwaukee, Wisconsin, both in the U.S.A., 5th February, 1896; 6 years. (Filed 13th January, 1896.)

**Claim.**—1st. In a band saw mill, the combination of a main frame provided with guides, a supplemental frame or yoke movable in said guides, an upper band-wheel shaft, and pedestals or supports for said shaft carried by the yoke, the axes of the shaft and pedestals being in a common plane with the guides, substantially as and for the purpose set forth. 2nd. In combination with main frame A, provided with guides or ways *a*, supplemental frame or yoke B, having ribs *c* seated in said guides, pedestals G mounted in the yoke B, shaft C supported by said pedestals, a counterweighted lever for sustaining the pedestals G, and screws for sustaining the yoke B, the shaft C and pedestal G having their axes in a common plane with the guides and ribs *a* and *c*. 3rd. In combination, with the main frame of a band saw mill, a sliding yoke or frame B mounted within the main frame, and provided with lugs *d*, and with stops *f*, stirrups F carried by said lugs, a lever E carried by the stirrups, pedestal G mounted and movable in the yoke, a band-wheel shaft carried by said pedestals, and rods extending from the lever to the pedestals, substantially as and for the purpose set forth. 4th. In combination with frame A, having recess *g*, shaft C, pedestal G supporting said shaft, lever E supporting said pedestal and weight J carried by lever E and located within the recess.

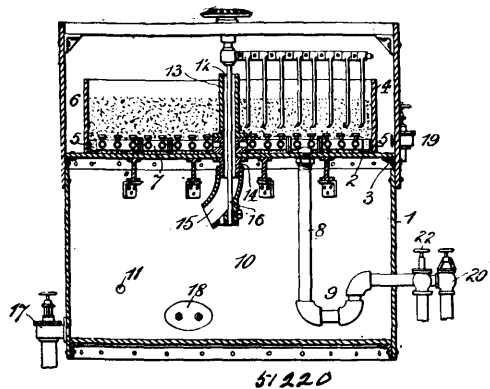
**No. 51,219. Oil Product and Process of Producing.**

(*Procédé pour la production de produits d'huile.*)

Edward George Kubler, and John Martin Beek, both of Akron, Ohio, U.S.A., assignees of Louis Knoche, Hamm, Westphalia, Germany, 5th February, 1896; 6 years. (Filed 21st December, 1895.)

**Claim.**—1st. The oil-product consisting of the oil that is pressed from the nuts or seeds of a tree belonging to the genus of trees known botanically under the name of euphorbiacea or euphorbiaceae, treated by means of heat substantially or approximately in the manner specified, and suitably compounded with a suitable quantity of reducer, such for instance, as naphtha or spirits of turpentine, substantially as set forth. 2nd. The oil-product consisting of the oil that is pressed from the nuts or seeds of a tree known botanically under the name of aleurites cordata, or elaeococca, cordata, or dryandra cordata, treated by means of heat substantially or approximately in the manner specified, and suitably compounded with a suitable quantity of reducer, such for instance, as naphtha or spirits of turpentine, substantially as set forth. 3rd. The process hereinbefore described, consisting in taking a suitable quantity of oil pressed from the nuts or seeds of a tree belonging to the genus of trees known botanically under the name of euphorbiacea or euphorbiaceae, and heating said oil to a suitable temperature and maintaining it in a heated condition during a suitable fraction of a day, then allowing it to cool a suitable number of degrees, and then adding and mixing therewith a suitable quantity of a suitable reducer, such, for instance, as naphtha or spirits of turpentine, substantially as set forth. 4th. The process hereinbefore described consisting in taking a suitable quantity of oil pressed from the nuts or seeds of a tree belonging to the genus of trees known botanically under the name of euphorbiacea or euphorbiaceae, and heating the same to a temperature of about 400° Fahrenheit and maintaining the heated oil at said temperature for from two to four hours, then reducing the temperature of the heated oil about 50° Fahrenheit, and then mixing therewith a quantity of reducer, such for instance

as naphtha or spirits of turpentine, that in weight shall be equal to about one-third of the weight of the quantity of the oil with which it is mixed, and firstly adding about one-third of the reducer in a luke-warm condition and then adding the remaining fraction of the reducer at its ordinary temperature, substantially as set forth. 5th. The process hereinbefore described consisting in taking a suitable quantity of oil pressed from the nuts or seeds of a tree known botanically under the name of aleurites cordata, or elaeococca cordata, or dryandra cordata, and heating the same to a temperature of about 400° Fahrenheit and maintaining the heated oil at said temperature for from two to four hours, then reducing the temperature of the heated oil about 50° Fahrenheit, and then mixing therewith a quantity of reducer, such for instance as naphtha or spirits of turpentine, that in weight shall be equal to about one-third of the weight of the quantity of the oil with which it is mixed, and firstly adding about one-third of the reducer in a luke-warm condition and then adding the remaining fraction of the reducer at its ordinary temperature, substantially as set forth.

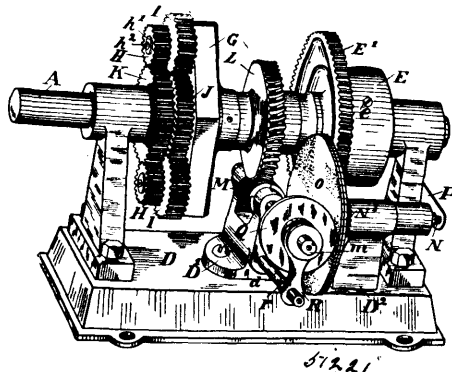
**No. 51,220. Filter. (*Filtre.*)**

Omar Hestren Jewell, Chicago, Illinois, U.S.A., 5th February 1896; 6 years. (Filed 14th October, 1895.)

**Claim.**—In a filter the combination of a filter tank, a subsiding tank, and a filter material holding tank, formed as described, with a central communicating passage or opening between said tanks, an agitator for said filter, the shaft of which passes through said central opening, and projects into said subsiding chamber, and a pipe elbow rigidly secured to said shaft, and adapted to be rotated thereby, to give force and direction to the water passing down through said central opening and elbow, for flushing out and removing the sediment from said subsiding chamber, substantially as set forth.

**No. 51,221. Driving Mechanism.**

(*Mécanisme conducteur.*)



Walter Ames, Toronto, Ontario, Canada, 5th February, 1896; 6 years. (Filed 18th November, 1895.)

**Claim.**—1st. In a driving mechanism, the combination with a driven-member carrying a gear, of a tubular driving-member rotatably disposed on said driven-member, and carrying a gear parallel with, and adjacent to the driven-member gear, and also carrying a driving-wheel gear remotely disposed relatively to its other gear and adapted to receive power, and independently-rotatable member comprising a tubular sleeve supported on said driving-member, and carrying pinions meshing with the parallel gears on the driving and driven-members, respectively, and adapted to transmit power from the driving-member to the driven-member, and also carrying a worm-wheel intermediate of its pinions and the driving-wheels gear of the driving-member, a worm-shaft carrying a worm in mesh with the worm-wheel, a friction-wheel adjustably supported on the