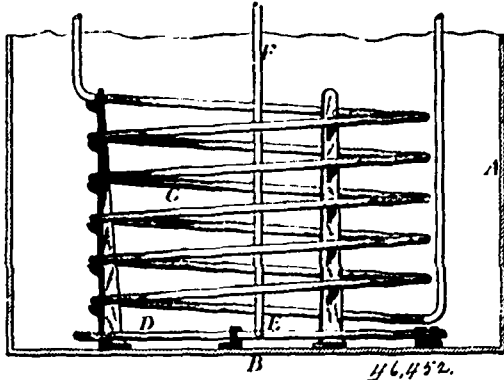


said vat having a funnel-shaped opening and a delivery end superposed over the exhaust end of said coil, a valve in said exhaust end opening into said vat, a relief pipe, a pipe leading to the boiler and a third pipe leading to a suitable well, a well, a feed pump, a pipe leading from said well to said feed pump, suitable valves in said pipes, an overflow for said vat, a cold water delivery pump, a pipe for delivering water to said vat connected to the delivery pump, and a suitable concentrator communicating with the overflow from said vat, substantially as set forth.

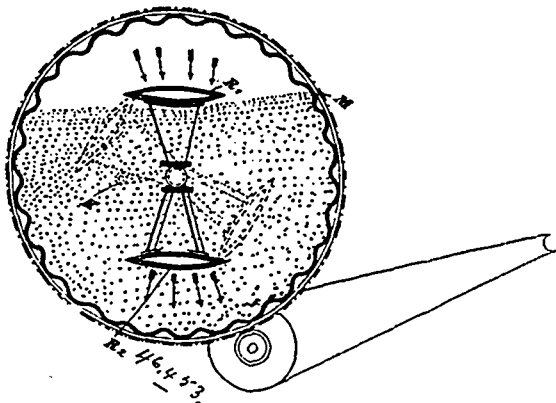
No. 46,452. Manufacture of Spirits and in Apparatus for that Purpose. (*Fabrication de spiritueux et appareil pour cet objet*)



Jerome James Murphy, Ashton, Ireland, 3rd July, 1894; 6 years.

Claim.—1st. In the manufacture of spirits, the herein described method of preventing formation of fusel oil, aldehyde, acetic acid and other deleterious ingredients and the consequent loss of alcohol by maintaining the wort during fermentation at a temperature not exceeding 72° Fahrenheit. 2nd. In the manufacture of spirits, the herein described method of promoting fermentation of the wort by blowing air or other suitable gas through the fermenting liquid, substantially as described. 3rd. In combination with a fermenting vat a coil of pipes for water circulation and pipes for injection of air or gas, arranged in the lower part of the vat, substantially as described.

No. 46,453. Improved Apparatus for Effecting the Washing, Swelling and Germination of Grain. (*Appareil pour effectuer le lavage, renflement et germination des grains.*)

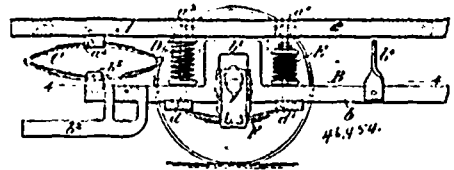


Otto Hentschel, of Grimma, Kingdom of Saxony, German Empire, 3rd July, 1894; 6 years.

Claim.—1st. In an apparatus for effecting the washing, swelling and germination of grain a corrugated shell for the purpose of loosening the bulk of the material to be treated and to prevent the same from sliding along the inner wall of the drum, constructed and arranged substantially as hereinbefore described. 2nd. In the apparatus claimed, the construction of agitating apparatus consisting of the agitating tubes R₁, R₂, adapted to have water, air, or steam forced therethrough, and a hollow bearing pin through which the fluid is discharged by suction or otherwise in order to ensure the continuous circulation of the water, air or steam through the grain, constructed and arranged substantially as hereinbefore described. 3rd. In an apparatus claimed, a device for producing rotary motion consisting of a rocking lever carrying on one end a counter weight W and on the other a shovel like vessel or pan G, which is alternately filled and emptied, and a ratchet pawl and wheel transmitting such oscillating motion to the drum as a rotary motion by means of suit-

able cog wheel or frictional gearing, constructed and arranged substantially as hereinbefore described.

No. 46,454. Car Truck. (*Châssis de chars.*)

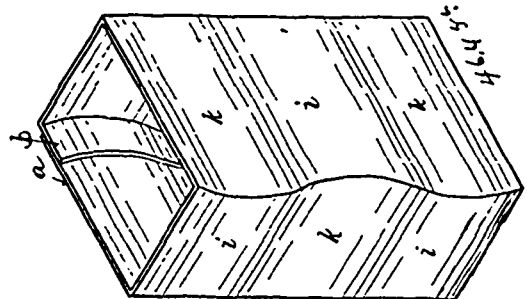


Kenneth William Blackwell, Montreal, Quebec, Canada, 3rd July, 1894; 6 years.

Claim.—1st. In a car truck the combination of a fixed frame carrying the car-body, a movable frame having vertical extensions, and supporting the running gear, and a plurality of springs between said frames, the whole being arranged so that upon the compression of said springs, the extensions of said movable frame may play vertically within but clear of said fixed frame, substantially as and for the purpose set forth. 2nd. In a car truck, the combination with wheel-axes and axle-boxes, of a fixed frame carrying the car-body, a movable frame having vertical extensions straddling the axle-boxes and supporting the running gear, a plurality of springs between said frames and under-hung springs between the movable frame and the axle-boxes, the whole being arranged so that upon the compression of said springs, the extensions of said movable frame may play vertically within it clear of said fixed frame, substantially as and for the purpose set forth. 3rd. In a car truck, the combination with wheel-axes and axle-boxes, and the frames A and B, of the elliptical springs C C and coiled springs D D, acting contemporaneously, between said frames, graduated springs E, E, for taking up increased load and under-hung springs F acting in conjunction with the movements of axle-boxes and movable frame, substantially as set forth. 4th. In a car truck the combination with the movable frame B the springs, and running gear, of the fixed frame A formed of channel irons a, a, as described and supporting the car-body, substantially as and for the purpose specified.

No. 46,455. Wrapper for Bottles.

(*Enveloppe pour bouteilles.*)



Jeffrey Thomas Ferres, Anderson, Indiana, U.S.A., 3rd July, 1894; 6 years.

Claim.—1st. A wrapper made from veneer or strawboard, scored in irregular lines, and adapted to be bent around a package, substantially as described. 2nd. A wrapper made from veneer or strawboard, scored in irregular wavy lines, and adapted to be bent around a package, substantially as described. 3rd. A wrapper made from veneer or strawboard, scored in irregular lines, bent into form, and the ends fastened together to form a polygonally sided wrapper, substantially as described.

No. 46,456. Garment Stays. (*Renfort de vêtement.*)



Henry Johnston, Ypsilanti, Michigan, U.S.A., 3rd July, 1894; 6 years.

Claim.—The herein described garment stay, composed of the resilient blade having a surrounding adhesive coating, the guard tips, each consisting of a folded rubber strip having its ends secured to the blade by said adhesive coating, and two covering strips of textile material extended beyond the ends and side edges of the blade, and tips having their entire faces coated with said adhesive material, whereby the covering strips are adherent to each other and to the inclosed blade and tips, substantially as described.