No. 10,795. Improvements on Elevators. (Perfectionnements aux élérateurs.)

Samuel A Bates, Pittsburg Penn 1 S 10th January 1880 for 5 years

Samuel A Bates, Pittal-urg Penn 1 8 10th January 1880 for 5 years Claim—lat In a self-leading barrel hotst the combination of platform frame chaving down wardy bent projectly us cysprings cand skid b. 2nd In a self discharging elevator, the combination of platform frame in the fitting platform in pivoted to, and carried by said frame two or more rollers in journalised in the tilling platform and in echap in the tilling platform a projecting stop for a stitched thereto adapted to ergage with, or clear the platforms by the rotation of the shalf and having suitable mechanism for imparting such rotary motion at the will of the operator. 4th The combination of endless belt B carrying one or more elevating platforms, guide bars at arranged across the belt at or near the platforms and side grooves a in the main frame on either saids of and in line with the belt and adapted to receive the ends of the bars. 5th 10 an elevator apparatus, the combination of an endless and continuously operating belt, and a passeager car having main platform the secured to the belt and supported by extended back Hi and brackets or braces H 6th The combination of endless belt B frame c secured to the belt and supported by extended back Hi and brackets or braces H 6th The combination of endless belt B frame c secured to the belt and supported by variety platform the platform that the addition of the platform that a support of tappet a and a suitable stop or trip for engaging the tappet and tilting the bucket.

No. 10.796. Improvements

No. 10,796. Improvements on Bridges and Roofs. Trusses for (Perfectionnements aux fermes de ponts et de toits.)

Edward Wasell, London, Out., 10th January 1960 (Extension of Patent No 4,379), for 5 years.

No. 10,797. Oil Treating Process. Procede de traitement des huiles.)

Doubld D. Cattanach Providence R I U S. 10th January, 1880 (Extension of Patent No. 4,297), for 5 years

No. 10,798. Improvements on Mowing Machines. (Perfectionner ents aur faucheuses.)

Rudolf Eickemeyer, Yonkers, N. Y., U. S., 11th January, 1880, for 15 years.

Rudolf Eickemeyer. Yonkers, N. Y., U. S., 11th January, 1880, for 15 years. Claim.—lat A triangular frame E and the shoe G of a mowing machine combined with the coupling arm H which is iointed to said aboe by a pin I, the axis whereof is parallel with the line of the machine's progression, and to said triangular frame by a pin g, the axis whereof is oblique to the line of progression, whereby said shoe and the cutting apparatus, attached thereto, may be rotated upon the pin I to raise the outer end of said cutting apparatus from the ground, or may be independently rotated upon the pin g to raise or depress the points of the fingers and cutters 2 and A triangular frame E, shoe G and the connecting coupling arm H, combined with the lifting lever L and coupling rod O, connecting the crank end of said lever with the coupling arm II, whereby said coupling arm may be rotated upon the pin g. 3rd. The shoe G connected with the frame of the machine by a longitudinal joint pin I combined with the bale B, the end whereof is jointed to said shoe in front and rear of the cutter bar, and the lever K provided with the book k, wherewith raid bale is engaged and whereby said shoe is caused to rotate upon said joint pin I; 4th. A shoe G connecting with the frame of the machine by a coupling arm H, one joint whereof is in the line of the machine's progression and the other joint oblique thereto, so that the cutting apparatus altached to said shoe may be raised or lowered at its outer end, or raised or lowered at the point of the fingers and cutters, and the lifting lever K provided with the hook k combined with the bale B constructed with a longitudinal curved slot b, to receive and confine said shook k, whereby said shoo dibal curved slot 5, to receive and confine said book k, whereby said shoe may be rotated upon its oblique axis while being supported wholly or partly above the ground by the lever K. 5th. The inner shoe of a mowing machine hinged to one side of a brace or arm which arm to turn is hinged to one of a vibrating frame by a hinge diagonal to the shoe hinge, and bisecting the axis thereof at or near the pitman joint at the heel of the cutter bar

No. 10,799. Improvements on Grain-Binding Machines. (Perfectionnements aux machines à lier les grains.)

Moses A. Keller, Brockport, N. Y., U. S., 11th January, 1880, for 5 years.

Moses A. Keller, Brockport, N. Y., U. S., 11th January, 1880, for 5 years.

Claim—Ist The rectangular main frame composed of the metallic on plece A and silts B.C.D. whereby one part of said frame is substantially on a level with the axes of the supporting wheels and another part is upright, and the remainder is horizontal and above the wheels and extended further toward the grain side. 2nd A combined gleaner and binder, the main frame whereof is mounted and balanced upon two wheels and provided with a flexible tongue or thills, combined with a bell crank tilting lever I, wherewith said clotted arm engages, and a segment rack J, whereby said lever may be locked in any desired position for the purpose of enabling the driver to lift the front of the machine, up or down and hold it in any desired position; 3rd. A combined gleaner and binder, provided with an elevator to gather the grain stalks and carry them upward, combined with a cylinder L which rotates in the direction of and at a speed greater than the machines advance, whereby the projecting fingers b are caused to disturb the grain stalks upon the ground and render them substantially parallel prior to being taken up by the elevator. the projecting fingers b are caused to disturb the grain stalks upon the ground and render them substantially paraliel prior to being taken up by the elevator, 4th. A combined gleaner and binder and elevating device to take the grain stalks from the ground and carry them upward, combined with a gatherer L mounted upon a hor zontal shaft in front of said elevator and gatherer revolving with the same speed or thereabouts, and in opposite directions. 5th. The revolving gatherer L mounted in bearings suspended from the front still B, combined with a slotted apron also secured at its upper edge to said still and with its lower edge curved under said gatherer. 6th. The endiese elevator N and the revolving gatherer L, combined with the yielding grain compressers or guard slats to attached at their lower ends to the lower edge of the apron. to guide and compress the ascending grain upon the elegan of the apron. to guide and compress the ascending grain upon the elegan of the apron. grain compressers or guard slats waterobed at their lower ends to the lower edge of the apron, to guide and compress the ascending grain upon the elevator and strip the same from the teeth 1; 7th. The endiess elevator N and the yielding compresser or guard slats w combined with a cut-off capable of being thrown forward against said guard slats, to arrest the upward flow of grain without arresting the movement of the elevator; 8th. The endiess elevator N, another yielding compresser or guard slat w combined with the out-off slats or apron, hinged at the lower edge and capable of being thrown

forward at its top against the slats to to cut-off the forward flow of grain:

9th. The endless elevator N, with the yielding compresser or guard sints wand a cut off capable of being projected forward against said guard state combined with the rock shaft D: and its crank arms d and links 5 for the purpose of actuating said cut-off. 10th I to a gleaner and itsuder an endless elevator to gather and elevate the grain stalks combined with boxes for the lower roller, movable up and down, and depressing springs V, for the saine to render all ower roller flexible the more easily to pass obstructions. 11th The rectangular main frame, the upper horizontal part whereof is extended laterally beyond the lower and upright part combined with an elevating device to gather the grain upon the ground and a grain wheel located immediately adjacent to, or in rear of the elevator and clearly within the parts cleared thereby. 12th The driving pulley approket wheel M: having a ratchet clutch on one side and a cam projecting from eatd side, combined with the lever O: or stop, which may be caused to engage with said clutch at the will of the driver, 13th. The driving pulley or sprocket wheel M: having a ratchet clutch one one aide, combined with a pivoted lever O: and a foot rod P1, whereby the driver can, at will, cause end lever to engage with said cam and cause said wheel to go out of engagement with said clutch. 14th The driving pulley or sprocket wheel M: having a ratchet clutch upon one side, and a cam g combined with the pivoted lever O: provided with a stop hard the rock shaft R: the entire end whereof rests upon the upper part of the receptacle or thereabouts, so that it will be raised up by the passage of a cam and cause said wheel to go out of engagement with said clutch. 14th The driving pulley or sprooked wheel Mi shwing a ratchet clutch upon one side, and a cam g combined with the protect lever O; provided with a stop h and the rock shaff R; the entire end whereof rests upon the upper part of the receptacle or thereabours, so that it will be raised up by the passage of a cass of grain over the elevator and thereby trip said lever O; to release the driver his automatically. 15th A gleaning and binding machine having an endless elevator and gatherer to gather the grain and elevate it from the ground, a concave receptacle V and a rotating binder arm revolving in the direction of the machine a advance, so as to secure the bundle during that descent of said arm and bind it upon the surface of said receptacle. 16th A revolving binding arm A; combined with a fixed cam k to impart said arm an irregular movement of advance and temporary pause; 17th. A revolving binding arm A; and a secondary arm m piroted thereto, combined with a stationary cam wheel g when the knotting of the band has been completed said arm m; increased to advance more rapidly, than the arm A; and thereby discharge the bundle in advance; 18th. The revolving binding arm A; provided to the arm W, combined with a pin a, slot cand cam k, whereby the irregular movements of said arm A; in advance and pause, are actuated and limited. 19th The revolving binding arm A; provided with a pointed end or head, and on the saide thereof with a detachable finger g and roller r, to properly gather the binder cord and present it to the knotting device. 20th The rotating binding arm A; combined with the compresser Y; provided at the end of the rod T; and made clastic or yielding by a spring y and arm c likewise fastened upon said rod T; 21st. A spool t, the spindle wheroof is mounted upon a suitable supporting standard, and provided with a pulley at one end, combined with a belt n, and a corresponding pulley on the shaft K, said belt being adjusted to rotate said spool

No. 10,800. Improvements on Barrel Stands.

(Perfectionnements aux chantiers des barils.)

Léonidas D. West, West Valley, N.Y., U.S., 11th January, 1880, for 5 years Claim.-Ist. The caster D consisting of the prong a and hook claws b. the Claim.—Ist. The caster D coasisting of the prong a and hook clams b. the lug c, the sleeve socket d extending vertically through sand lug and provided with a stop shoulder dt, and the spindle c having its bearings in said socket. 2nd. The caster consisting of the clip prongs a b, the adjustable spindle ct, the socket d and a roller at the lower end of said spindle 3rd. The combination of a cover having the pivots or journals at one side of its diameter, and the adjustable hangers G depending from a suitable support and affording bearings to said pivots a barrel eccentrically supported upon a pivot and casters. 4th. The combination with the hangers or hooks G and the cover having pivots at one side of its diameter of the bearing blocks. I adjustable vertically on said hooks, and the eccentrically pivoted and horizon taily vibrating barrel A; 5th. The combination with a counter or shelf and abarrel amported upon casters of a recessed chock receiving one of the abarrel apported upon casters of a recessed chock receiving one of the rollers of said casters, 6th The chock consisting of the U shaped section g having points upon its underside and provided with inclined ways r, and the section g, received in said ways designed to be secured to the flow and forming with section g a recess x.

No. 10,801. Improvements in Fanning Mills. (Perfectionnements aux tarares-cribleurs.)

John R. Michell, Milion, Ont., 11th January, 1880, for 5 years.

Claim.—lst The sieve A provided with a drip sikle B. in combination with the spout C; 2nd. The sieves A F G contained in the frame K, in com-