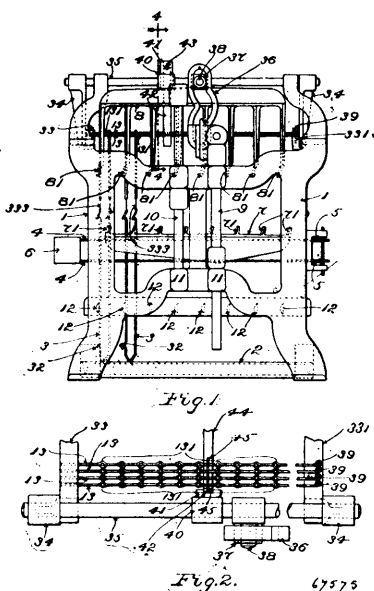


actuate said carrier whereby to move the same transversely in the machine and thereby cause said wires to bear the uprights laterally,



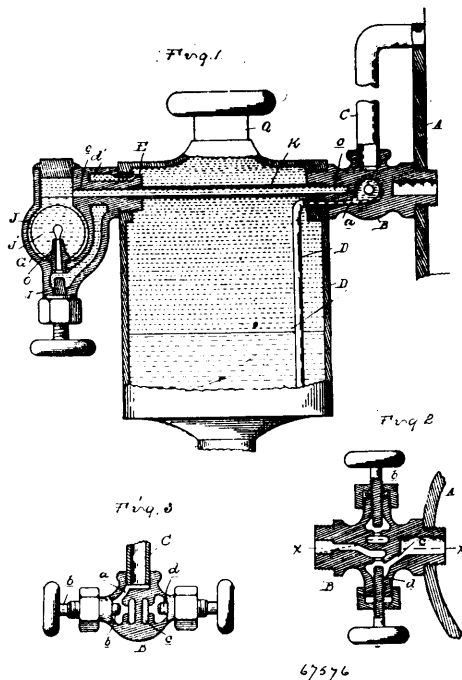
substantially as described. 5th. The combination with the uprights, and the oppositely moving griffs, of the press back wires to prevent engagement of a descending upright with an ascending griff, the carrier engaging with the opposite extremities of the said wires and provided with a rest to restrain the intermediate portions of the said wires from movement through their engagement with the uprights, and means to actuate said carrier whereby to cause said wires to bear the uprights laterally, substantially as described. 6th. The combination with the uprights, of the press back wires engaging therewith, the carrier engaging the opposite extremities of the said wires, the rest mounted on the carrier and located at an intermediate point in the length of the wires, and the pins applied to the said rest and holding the wires from movement, substantially as described. 7th. The combination with the upright, of the two wires each having the half eye to receive the limb of the upright, the said half eyes facing in opposite directions, whereby each wire serves to hold the upright in the half eye of the other wire, substantially as described. 8th. The combination with the oppositely moving griffs, of the uprights, and press back devices to prevent engagement of a descending upright with an ascending griff, the said uprights provided with springs to yield under the action of the press back devices and thereby obviate forced disengagement of the hook of an upright from the griff wherewith it is engaged, substantially as described. 9th. The combination with the oppositely moving griffs, of the uprights formed with springs adjacent to the hooks thereof, and press back devices engaging with the said uprights and operating to prevent engagement of a descending upright with an ascending griff, the uprights bending at the spring portions thereof to obviate forced disengagement of the hook of an upright from the griff wherewith it is engaged, substantially as described. 10th. The combination with oppositely moving griffs, of the uprights flattened adjacent to the hooks thereof to produce springs, and press back devices engaging with the said uprights and operating to prevent engagement of a descending upright with an ascending griff, the uprights bending at the flattened spring portions thereof to obviate forced disengagement of the hook of an upright from the hook wherewith it is engaged, substantially as described.

**No. 67,576. Lubricator. (Graisseur.)**

The Penberthy Injector Company, assignee of Elijah McCoy, all of Detroit, Michigan, U.S.A., 1st June, 1900; 6 years. (Filed 17th March, 1900.)

*Claim.*—1st. In a sight feed lubricator, the combination of a cup having two openings at the top, the support arm connected into one opening, having an oil passage therethrough and a water passage leading from an intermediate point thereon into the cup, a condensation stand pipe connected to the outer end of said passage, and a tube connected to the inner end of said passage and extending to near the bottom of the cup, a sight feed arm connected into the other opening of the cup, and a connecting pipe extending from the delivery passage thereof through the upper part of the cup and connecting into the oil passage of the support arm. 2nd. In a sight feed lubricator, the combination of a cup having two openings at the

top on diametrically opposite points, the support arm connected into one opening, having a through oil passage therein, and a water



passage leading from an intermediate point thereon into the cup, a stand pipe connected to the outer end of said passage, and a tube connected to the inner end of said passage, and extending to near the bottom of the cup, a single piece sight feed arm connected into the other opening having a controlled oil passage leading from the cup to the bottom of the arm, through a sight feed chamber and back into the cup, and a pipe connecting this oil passage extending across the oil cup and connecting into the oil passage in the support arm. 3rd. In a sight feed lubricator, the combination of a cup having openings at the top, a sight feed arm having its oil discharge opening leading into one of said openings, and a support arm connected into the other opening having an oil passage therethrough, a valve controlling said passage, a tube connecting the oil passage in the sight feed arm to the oil passage in the support arm, a stand pipe connected to said support arm, a tube depending from said support arm in the cup, and a valve controlled passage through the support arm from the stand pipe to the depending tube within the cup. 4th. In a sight feed lubricator, a sight feed arm chambered and comprising a sight feed chamber casing having sight openings on opposite sides thereof, a nipple at one side entering the top of the casing of said lubricator, there being an oil passage in the sight feed arm extending from the upper part of said nipple to the bottom of said sight feed chamber, and an oil passage leading from the top of said chamber through said nipple, and a valve controlling the oil passage to the sight feed chamber. 5th. In a sight feed lubricator, the cup having an opening at the top, a sight feed device connected thereto, comprising a nipple and a body or casing having therein a sight feed chamber, and an oil passage leading in through the nipple and to the bottom of the sight feed chamber, and an opening leading from the top of the sight feed chamber through the same nipple, a connection therefrom to the steam pipe and a condensation supply connection into the cup.

**No. 67,577. Axle Box. (Boite à graisse.)**

Edward Alfriend Perkins, Gordon, Georgia, U.S.A., 1st June, 1900; 6 years. (Filed 24th March, 1900.)

*Claim.*—1st. The combination with an axle having a screw threaded portion, of a sleeve fitted over the axle and engaging said screw threaded portion which is provided with an enlarged portion intermediate its ends, a coupling having a bearing on the inner end of the sleeve, and provided with a shoulder abutting the inner end of the enlarged portion, a box, free to turn on the sleeve, which has its bore enlarged at its inner end, which loosely receives the enlargement of the sleeve, and providing a shoulder abutting the outer end of the enlarged portion aforesaid, said box having its inner end screwed into the coupling, whereby longitudinal play of the box and coupling is prevented. 2nd. The combination with an axle, of a sleeve fitted thereover, which is screwed into the axle, a coupling having a bearing on the sleeve and held against displacement by the