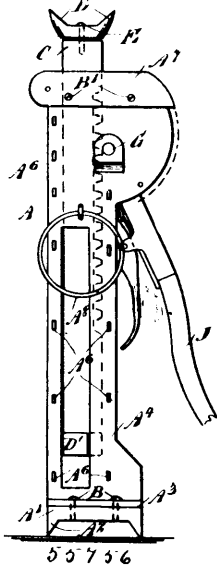
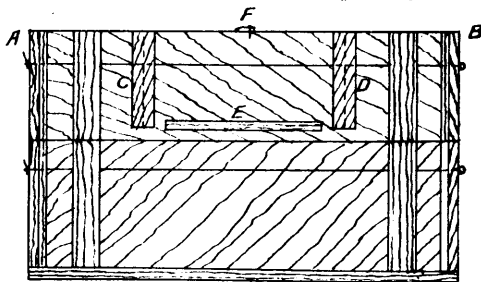


tion, in combination with means for operating said lifting bar, substantially as described. 4th. The logging jack having a lifting rack,



a ratchet mechanism engaging the teeth of the rack, and a roller engaging the opposite side of the rack, substantially as described.

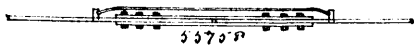
No. 55,757. Fork Scraper. (*Nettoyeur de fourches.*)



James A. Henry, Stockton, Manitoba, 1st May, 1897; 6 years. (Filed 26th February, 1897.)

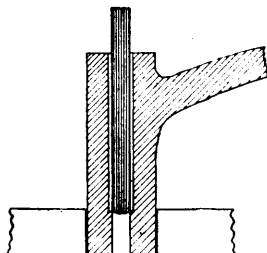
Claim.—A scraper attachment for a farm fork comprised of a piece of wood sixteen to twenty-four inches long, from six to eight inches wide, and about three-quarters of one inch thick, having one edge chamfered and faced with metal, and the other edge bored to admit the tines of a fork, substantially as and for the purpose hereinbefore set forth.

No. 55,758. Electric Rail Bond. (*Fil électrique pour joints de rails.*)



Edward Dooley, Chicago, Illinois, U.S.A., 1st May, 1897; 6 years. (Filed 22nd February, 1897.)

Claim.—The making of a reduced bore in bond head, thereby causing an expansion of metal by action of the pin, substantially as and for the purpose hereinbefore set forth.

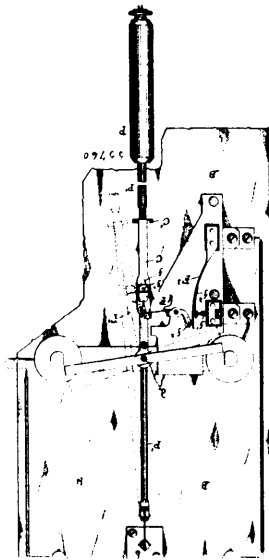


No. 55,759. Process for the Production of Non-Alcoholic Wines. (*Procédé pour la production de vins non alcooliques.*)

Hermann Muller Thurgau, Wädenswil, Switzerland, 1st May, 1897; 6 years. (Filed 12th February, 1897.)

Claim.—1st. A process for the production of preservable fruit juices without alcohol consisting in subjecting the fruit juice separated from the skins and the stones, out of contact with the air, for about half an hour to the action of steam or water heated to about 60° to 70° Celsius, and then leading this juice through sterilised pipes into containers also sterilised afterwards filtering the juices and subjecting them to another similar heating. 2nd. A process for the production of naturally coloured and preservable fruit juices consisting in subjecting the fruit juice and the skins for several minutes to the action of the heat and in then separating the juice from the skins and in subjecting the juice out of contact with air, for about half an hour to the action of steam or water heated to about 60° to 70° Celsius, and then leading this juice through sterilised pipes into containers also sterilised, afterwards filtering the juices and subjecting them to another similar heating. 3rd. A process for the production of naturally coloured preservable fruit juices consisting in passing the fruit juice suitably heated and freed from the skins and stones through a reservoir which contains the skins and in then subjecting out of contact with the air, for about half an hour to the action of steam or water heated to about 60° to 70° Celsius, and then leading this juice through sterilised pipes into containers also sterilised, afterwards filtering the juices and subjecting them to another similar heating. 4th. A process for the production of preservable fruit juices containing little alcohol, consisting in fermenting the juices until the desired degree of alcohol is obtained and in then subjecting the fruit juice out of contact with air, for about half an hour to the action of steam or water heated to about 60° to 70° Celsius, and then leading this juice through sterilised pipes into containers also sterilised, afterwards filtering the juices and subjecting them to another similar heating.

No. 55,760. Electric Clock. (*Horloge électrique.*)



Sigismund Fisher, Brooklyn, New York, U.S.A., Victor D. Bremer, James G. White and Edward Righter, all of New York, State of New York, U.S.A., 1st May, 1897; 6 years. (Filed 10th February, 1897.)

Claim.—1st. The combination with a swinging pendulum and its crutch, of a recessed block on said crutch, a fulcrumed circuit-closing lever, a gravity-pendant pivoted to one end of said lever adjacent to said block, and a circuit-closing device operated by the opposite end of the circuit-closing lever when the pendant is engaged by the recessed block. 2nd. The combination of a swinging pendulum, a crutch for said pendulum, a block on said crutch provided with a recess at its upper end, a fulcrumed circuit-closing lever, a gravity-pendant pivoted to said lever, spring-contacts operated by said lever when the pendant is engaged by the block, an armature mounted on the spindle of said crutch, and an electro-magnet adapted to impart oscillating motion to said armature and an impulse to the pendulum when the circuit is closed by the periodical engagement of the block with the pendant, substantially as set forth. 3rd. The combination with a pendulum and its crutch, said crutch being intermittently operated by electric impulses imparted to the same, of a striking-train, the main wheel of which is provided in its circumference with groups of teeth for striking the hours, intermediate recesses between said groups of teeth, an eccentric on the arbor of the hour-hand, a spring-pawl engaged by said eccentric and adapted to turn the main wheel of the striking mechanism for one tooth at each rotation, a