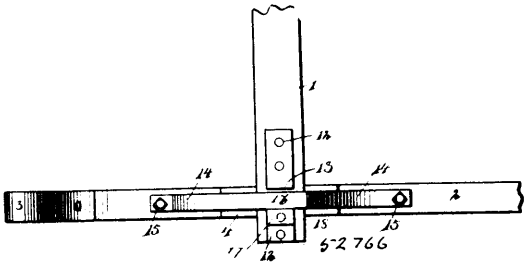
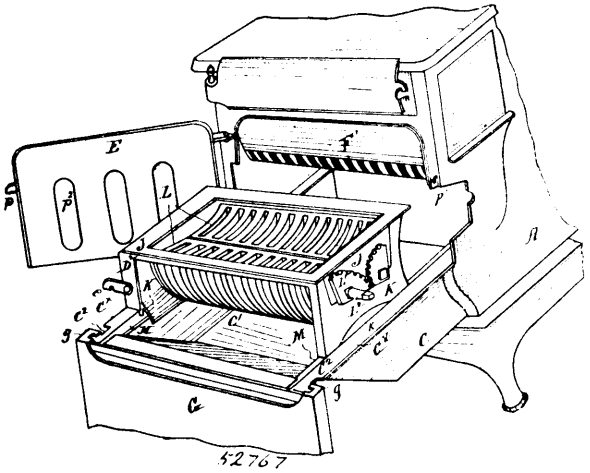
No. 52,766. Sleigh Knee. (*Courbe pour traineaux.*)



Franklin De Forest and Jacob R. Dudley, both of Fremont, Michigan, U.S.A., 26th June 1896; 6 years. (Filed 6th June, 1896.)

Claim.—1st. A sleigh knee, comprising a bearing piece adapted to be secured to the runner and having a socket, a beam having a perforated journal to engage said socket, and having a shoulder on its upper side, a brace secured to the runner and arranged over said beam, one side of said brace engaging the shoulder on the upper side of the beam, and a pin passed through the perforation in the journal and arranged to hold the same against removal from the socket, said pin also engaging said brace on the side thereof opposite to the side engaged by the shoulder on the beam, substantially as set forth. 2nd. A sleigh knee, comprising a bearing piece having a transverse socket, a bracket having a journal to engage the socket, said journal being provided at its inner end with a shoulder to engage the side of the bearing piece when the journal is in place in the socket, and a pin passed through the bracket and arranged to engage the side of the bearing piece opposite to the side engaged by said shoulder, substantially as set forth. 3rd. A sleigh knee, comprising a bearing piece having a transverse socket, a bracket having a journal to engage said socket, said journal being provided at its inner end with a shoulder to engage the side of the bearing piece when the journal is in place in the socket, and a pin passing through said bracket and arranged to engage the side of the bearing piece, opposite to the side engaged by said shoulder, substantially as set forth. 4th. A sleigh knee comprising a bearing piece having its upper end provided with a tranoverse socket, one side of which is provided with an open slot of less width than the body of the socket, a bracket having a journal to engage said socket and provided with a contracted neck to engage said slot, a shoulder on the bracket to engage one side of the bearing piece when the journal is in place in the socket, and means for locking the journal against removal from the socket, substantially as set forth. 5th. A sleigh knee, comprising a bearing piece having a socket, a bracket having a journal to engage said socket, said journal being provided ot its inner end with a shoulder to engage one side of the bearing piece when the journal is in said socket and at its other end with a perforation, and a pin arranged to pass through the said perforation and engage the side of the bearing piece, opposite to the side engaged by said shoulder, substantially as set forth. 6th. A sleigh knee, comprising a bearing piece adapted to be secured to the runner and having a socket, a bracket adapted to be secured to the beam and having a journal to engage said socket, a brace secured to said runner and arranged over the beam, a shoulder on said bracket to engage one side of said bearing piece, a bearing plate on the beam, having a shoulder to engage one side of the brace, and a locking pin arranged to pass through the beam and engage the sides of the bearing piece and the bearing plate opposite said shoulders, substantially as set forth.

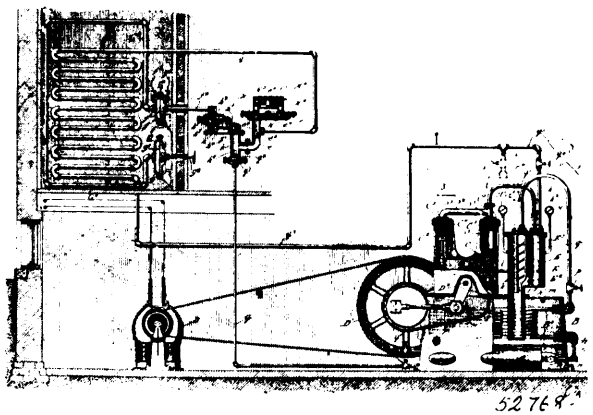
No. 52,767. Stove. (*Poêle.*)



The Co-operative Foundry Company, assignee of Thomas Richard Kennedy, both of Rochester, New York, U.S.A., 26th June, 1896; 6 years. (Filed 8th June, 1896.)

Claim.—1st. The combination with a stove having the fire-pot, the ways extending beneath the fire-pot and outside of the stove frame, and the opening into the ash-pit, of the grate-frame movable on said ways beneath the fire-pot, substantially as described. 2nd. The combination with a stove having the fire-pot and the ash-pit extending beyond the stove wall, having the ways at the sides, and the removable hearth, of the grate-frame normally within the stove body and movable on the ways at the sides of the ash-pit, substantially as described. 3rd. The combination with the stove having the fire-pot, the ash-pit and supports or ways at the sides thereof, of the removable grate-frame having the end plates resting upon the supports or ways and independent of the fire-pot and the lugs in the stove engaging the inner sides of said end plates to prevent warping, substantially as described. 4th. In a stove, the combination with the front having the opening, the ash-pit door and the removable plate D^1, of the removable grate-frame, the grate thereon having the extended operating journal and supports for said grate-frame, substantially as described. 5th. The combination with a stove casing, the fire-pot therein, the ash-pit and ways at the sides thereof extending out beyond the stove casing, of the frame having the movable dumping section therein and movable on the ways and beneath the fire pot, the ash-pit door hinged to the casing, securing devices therefor and the stove casing section engaging the grate-frame and engaged and held by the ash-pit door, substantially as described. 6th. The combination with the stove having the fire-pot, the ash-pit extended as shown, the ways at the side of the ash-pit, and the movable hearth-plate, of the grate-frame sliding on the ways having the movable grate sections, and the operating shaft, the removable casing section D^1, the catch d^1, the catch e, and the ash-pit door, substantially as described.

No. 52,768. Refrigerator. (*Réfrigérateur.*)



The Economical Refrigerating Company, assignee of George Francis Knox and Eliel Long Sharpneck, all of Chicago, Illinois, U.S.A., 26th June, 1896; 6 years. (Filed 15th May, 1896.)

Claim.—1st. In a refrigerating machine, a casing formed with a compartment for a liquid-refrigerant reservoir, a condensing compartment and a compartment surmounted by cylinders and induction and eduction chambers, in combination with a motor, compressors in the cylinders actuated by the motor, circulating conduits and traps interposed in said conduits, substantially as described. 2nd. In a refrigerating apparatus, the combination with the liquid-refrigerant reservoir, the compressor, condenser and circulating conduit, of high and low pressure traps interposed in said conduits, the traps being so disposed with relation to each other that one will influence the temperature of the other, substantially as and for the purpose set forth. 3rd. In a refrigerating apparatus, the combination with the liquid-refrigerant reservoir, the compressor, condenser, supply pipe, refrigerating conduit and return pipe, of a fluid pressure regulator between the supply pipe and refrigerating conduit, and traps interposed in said pipe, substantially as described. 4th. In a refrigerating apparatus, the combination with the liquid-refrigerant reservoir, the compressor, condenser, supply pipe, refrigerating conduit and return pipe, of a thermostatic governor and a fluid pressure regulator between the supply pipe and refrigerating conduit, and traps interposed in said pipes, substantially as described. 5th. In a refrigerating machine, the combination with the compressor and its induction and eduction chambers, the condenser and the refrigerating conduit, of a return conduit extending from the refrigerating conduit to the said induction chamber, a trap interposed in said return conduit, a discharge conduit leading from said eduction chamber to the condenser, a trap interposed in said discharge conduit, and a heat-conducting wall separating the traps and operating as a means for communicating the temperature of one trap to the other, thereby modifying the temperature of the other, substantially as and for the purpose set forth. 6th. In a refrigerating machine, the combination with the compressor and its induction and eduction chambers, the condenser and the refrigerating conduit, of a casing having two chambers separated by a wall and forming respectively a low-pressure trap and a high-