

represented by the typewriter type levers to which they are attached. 6th. The combination, with the type lever of a typewriter, of a dial plate having characters thereon corresponding with the characters of the typewriter, a pointer to indicate the character to be printed, a key provided with a spindle mounted in said pointer, and a rod connecting with said key spindle and with the type lever of the typewriter, so that by depressing said key and spindle, the typewriter type lever will be actuated and the indicated character printed on the typewriter, substantially as described. 7th. The combination, with the pointer 23, journaled to the sleeve 22, and provided with magnet 34, and key 25, having spindle 27, and supporting spring 26, of the dial plate C, having contact pieces 29, contact arm 24, metal plate 30, spring 31, magnet 33, armature 41, spring 42, pawl 43, and ratchet wheel 44, journaled to the spindle 21, the parts being connected to the line wire 1, by shunt circuits and to the ground wire 1', by the contact piece 29 and dial plate C, substantially as described. 8th. The combination, with the pointer 23, key 25, spindle 27, and magnet 34, of the armature 35, rod 28, loop 37, walking beam 38, upright 39, rod 40, and typewriter type levers 20, said parts being connected with an electric current, substantially as described. 9th. The combination, with the pointer 23, of a spring actuated ivory plate 47, adapted to open and close the circuit between the spindle 27, and rod 28, substantially as described. 10th. The combination, with the pointer 23, key 25, spindle 27, and lever 49, of the plate 47, stud 50, slot 51, and sleeve 52, substantially as described. 11th. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers thereof, electrically operated devices connected with said type levers and adapted to operate the carriage of the typewriters, substantially as described. 12th. A printing telegraph, consisting essentially of typewriters electrically connected and having means for operating the type levers, levers arranged parallel with the type levers and having similar means for operating the same, and devices connecting said levers with the carriages of the typewriters so as to operate the same, substantially as described. 13th. A printing telegraph, consisting essentially of typewriters electrically connected and having means for operating the type levers thereof, a paper supply roll mounted in the typewriter carriages and having means for feeding the paper through the typewriters, a box mounted on the typewriter carriages and having a suitable opening therein, a vertically movable knife adapted to cut off the paper at a desired time and place, means for moving said knife, and a suitable guide for directing the message into the box, substantially as described. 14th. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers thereof, the combination, with said machines, of levers similar to the type levers, and pivoted in the machines parallel therewith, and having similar means of operation, and an upwardly extending frame fixed to said levers, and adapted to engage the cylinder and carriage levers of the typewriters and actuate the same, substantially as described. 15th. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers thereof, the combination, with said machines, of levers similar to the type levers, pivoted therein parallel with the type levers, a sleeve pivoted in the frame of the typewriters, and provided with an upwardly extending arm to engage the carriage, and two laterally and oppositely extending arms, and rods connecting said arms with the operating levers, so that the case shifting mechanism may be thereby operated, substantially as described. 16th. In a printing telegraph, consisting essentially of electrically connected typewriters having means for operating the type levers thereof, said typewriters having a carriage adapted to be shifted for upper and lower case type printing, the combination, with said machines, of levers similar to the type levers, pivoted therein parallel with the type levers, and having similar means of operation, a sleeve pivoted in each of the type writer frames, and having an upwardly extending arm to engage the carriage and two oppositely extending arms, rods connecting said arms with the operating levers so that the shifting mechanism may be thereby operated, a spring actuated dog pivoted in the frame and adapted to engage one of said arms and hold the carriage in a fixed position, and a detaching device connecting said dog with one of the case shifting connecting rods, substantially as described. 18th. In a printing telegraph, consisting of two electrically connected typewriters having means for operating the type levers thereof, the combination, with suitable supports mounted on the carriages of said machines and carrying a paper supply roll adapted to be fed through the machine, and a box mounted in said supports and having an opening in the lower portions thereof provided with a guide as shown, of frames fixed to opposite sides of the machines and carrying two horizontal bars which extend across the top of the machine and between which the messages pass, and a knife having means for moving them past the openings between the bars, said knives having upon their upper

sides guides to direct the messages into the box, substantially as described. 19th. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers, the combination, with operating levers similar to the type levers, and arranged parallel therewith, and having similar means for operation, and horizontal bars extending above the typewriters and between which the messages pass, of a knife connected with said operating levers and adapted to be moved thereby past the opening between the bars and sever the messages, substantially as described. 20th. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers thereof, the combination, with a gong mounted in the machines, of a lever similar to the type levers, and arranged parallel therewith, and having similar means of operation, said lever having at one end a hammer to strike the gong when the lever is actuated, substantially as described and for the purpose specified. 21st. In a printing telegraph, consisting of electrically connected typewriters having means for operating the type levers thereof, the combination, with a lever similar to the type levers, and arranged parallel therewith, and having similar means in operation, of a rod pivoted to the end of said lever, and having at its opposite end a pawl engaging with a rack of the typewriter carriage, an insulated boss fixed the rod and connected with a wire of a battery, a contact piece adapted to engage said boss when the rod is raised, a magnet suitably supported and connected with said contact piece, a rod pivoted to the rack pawl so as to extend downwardly therefrom, and having an armature thereon opposite the magnet, a screw terminal mounted in a support and connected with a battery wire, and a spring hook connected with the magnet and arranged between the pawl rod and screw terminal so as to make and break the circuit and actuate the pawl, rack and carriage, substantially as described. 22nd. In a printing telegraph, a private message box composed of two hinged portions, and having an opening in the lower part thereof, and means for guiding the messages through said opening, substantially as described. 23rd. In a printing telegraph, consisting of electrically connected typewriters having means, as shown for operating the same, a private message box adapted to receive a message as described, and a shield adapted to cover the printing cylinder while the message is printed, substantially as described. 24. The combination, with the arms 68, and vertically movable frame 73, of the shield 79, pivoted to the arms, and connected to the frames so as to be raised and lowered in unison therewith and cover the cylinder 55, substantially as shown and described and for the purpose set forth.

No. 40,191. Thrashing Machine.

(Machine à battre.)

Wilhelm Alpert, Brandenburg, Prussia, 1st September, 1892; 6 years.

Claim.—1st. In a thrashing machine, the combination with a cylinder and grating, of a shaft, disks on the same, and connecting rods connecting said disks with the grating and means for turning said shaft, substantially as set forth. 2nd. In a thrashing machine, the combination, with a thrashing cylinder and grating of a shaft, disks on the same, connecting rods pivoted on the disks and connected with the upper and middle parts of the gearing, pivoted levers also connected with the disks and extending under the grating and a handle for turning said shaft, substantially as set forth.

No. 40,192. Air Heating Apparatus.

(Appareil de chauffage à air chaud.)

John A. Kirkpatrick, Anthony, Kansas, U. S. A., 1st September, 1892; 6 years.

Claim.—1st. The combination of the base having the ash pit, the top plate covering the latter and having the central opening and concentric series of radial slots or draft openings, the radially slotted rings arranged to oscillate over the latter, and the central circular plate mounted upon cleats or flanges and arranged to slide in an outward direction, substantially as and for the purpose set forth. 2nd. The combination of the base having the ash pit, the top plate covering the latter and having the central opening and concentric series of radial slots or draft openings, the slotted oscillating rings covering the latter, the sliding centre plate, the fire pot, and the fire basket mounted upon the inner edge of the outer radially slotted annular oscillating ring, substantially as and for the purpose set forth. 3rd. The combination of the base having the ash pit, the top plate covering the latter and having the concentric series of radial slots or draft openings, and the oscillating fire basket provided at its lower edge with an outwardly extending radially slotted annular flange, substantially as and for the purpose set forth. 4th. The combination of the base having the ash pit, the top plate for latter, the fire pot, the fire basket and a hinged lid or cover for the latter, all arranged and operated, substantially as set forth. 5th. The combination of the fire pot, the fire basket, the hinged lid adapted to partially cover the latter, and mechanism operated by the furnace door for raising said lid by opening said door, substantially as and for the purpose set forth. 6th. The combination, of the base, the fire pot, the fire basket, the furnace casing, and the lid having pipes connected therewith and extended through the sides of the furnace casing to form hinges for the said lid, substantially as and for the purpose set forth. 7th. The combination, with the fire