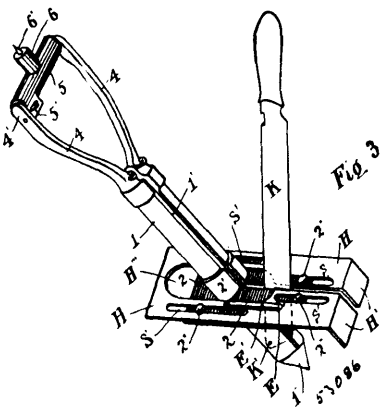


mounted on said frame and adapted to engage said wire, a wire reel on said frame, and an adjustable tension device for said reel, substantially as described. 3rd. In a fence implement, the combination of a spring frame adapted to clamp itself in position on the fence wire with spring pressure, a slotted disk mounted on said frame and adapted to engage said wire, a wire reel on said frame, an adjustable tension device for said reel, and an operating handle for rotating said reel to refill it with wire when needed, substantially as described. 4th. In a fence machine, the combination of a frame adapted to clamp itself on the fence wire, a slotted disk mounted on said frame and adapted to engage said wire, a reel rotatably mounted on said frame, a bolt passing through said frame and reel, a plate engaging said reel, and a spiral spring mounted on said bolt and engaging said plate to keep said reel under tension, substantially as described. 5th. In a fence implement, the combination of a spring V-shaped frame composed of connected spring arms having grooved and flared ends adapted to be sprung over the fence wire, a slotted and apertured disk mounted on said frame, a rotatable wire reel on said frame, the wire from the same adapted to pass through the aperture in the disk, substantially as described.

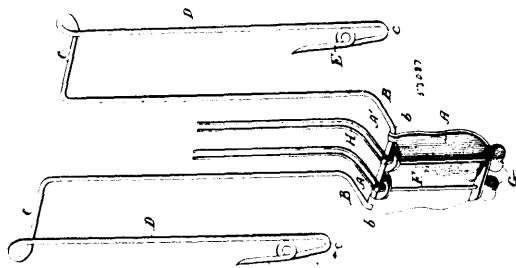
No. 53,086. Cheese Knife. (Couteau à fromage.)



Joseph McKay, Charles C. Irving and Jeremiah Anderson, all of Essexville, Michigan, U.S.A., 3rd August, 1896; 6 years. (Filed 22nd June, 1896.)

Claim.—1st. A cheese knife consisting of a blade, a sheath for the blade having a longitudinal opening in front of the blade, a pivot in the lower end of the sheath passing through the sheath and the point of the blade, the sheath having a pointed end adapting it to be pressed through the centre of the cheese, a loose collar on the sheath, a brace secured to the collar and extending to the edge of the cheese and having a depending flange engaging the outer edge of the cheese, thereby holding the cheese to the knife, and means as described for holding the blade in the cheese as it is cut, substantially as described. 2nd. In a cheese knife the combination with a blade pivoted in the lower end of a sheath, and the sheath adapted to be passed through and be turned in the centre of a cheese, and engaging the bottom of a cheese box, of adjustable braces secured to a loose collar on the sheath, the braces extending to the edge of the cheese and having depending flanges engaging the outer edge of the cheese, the braces forming a guideway for the blade, and means for securing and holding the sheath in the cheese as the blade is operated, substantially as described. 3rd. The combination with a blade pivoted in the lower end of a sheath, the sheath adapted to be pressed through the centre of the cheese and to be turned therein, a loose collar on the sheath and adjustable double braces secured to the collar and extending to the edge of the cheese, a depending flange on the edge of the brace engaging the outer edge of the cheese, the braces being on each side of the blade and forming a guide for it as well as holding the cheese to the blade, substantially as described.

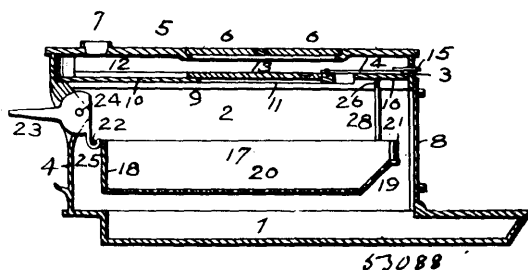
No. 53,087. Book Turner. (Tourne-livres.)



David Moon and John Smith, both of Walla Walla, Washington, U.S.A., 3rd August, 1896. (Filed 13th June, 1896.)

Claim.—1st. The combination with the base piece, of the wire supported therefrom and having their free ends bent to form book-holders and provided with coils upon which the book is designed to rest, with the ends of the wire beyond the coils turned outwardly and tapered, substantially as specified. 2nd. The combination with the base piece and the book-holding wires supported therefrom, and having their free ends bent upward and provided with coils and turned outwardly and tapered, of the movably mounted leaf-turners, carried by said base piece, as set forth. 3rd. The combined book-holder and leaf-turner described, consisting of the base-piece, the wires extending from opposite sides thereof and formed with book-receiving ends and coils with their free ends turned outwardly and tapered, the rods mounted for rotation on the base-piece, the keys on the ends of said rods, and the leaf-turners carried by the other ends of said rods, substantially as shown and described.

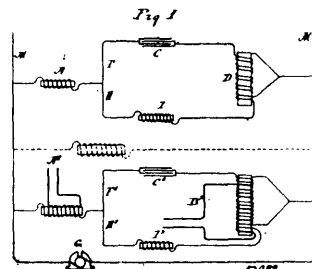
No. 53,088. Stove. (Poêle.)



Mark W. Foster, Pecatonica, Illinois, U.S.A., 3rd August, 1896; 6 years. (Filed 10th July, 1896.)

Claim.—1st. The combination with the stove, having a pot-hole in its top, of the slidable damper arranged horizontally in the combustion chamber, and having the central opening, 11, which is directly beneath the pot-hole, the independently slidable plate, 13, for closing said opening, and parallel side ribs, forming guides for said plate, as shown and described. 2nd. The combination, with the stove proper, and the grate, of the means for suspending and rocking it, which consists of the two-armed rocker and the pivoted lever, 23, having a circular body fitted in a slot in the rear end of the stove, as shown and described.

No. 53,089. Means for Developing Displaced Magnetic Phases and Producing Rotary Magnetic Fields. (Moyen de développer des phases magnétiques déplacées et produire des pièces magnétiques rotatoires.)



Charles S. Bradley, Avon, New York, U.S.A., 3rd August, 1896; 6 years. (Filed 27th July, 1896.)

Claim.—1st. As a means of producing a definite displacement of magnetomotive force in a core, a compound coil substantially as described in combination with a phase advancing device. 2nd. As a means of producing a definite displacement of magnetomotive force in a core, a compound coil substantially as described in combination with a condenser and an inductance in its branches. 3rd. As a means of producing currents of relatively displaced phases, a coil influenced by line current, and a coil whose current phases are a resultant of two branch currents passing through a condenser and inductance respectively. 4th. As a means of producing currents of relatively displaced phases, a coil influenced by line current and a compound coil substantially as described, containing in its branches a condenser and an inductance. 5th. As a means of producing currents of relatively displaced phases, a simple coil and a compound coil substantially as described, having two branches containing respectively a condenser and inductance each in series relation to the simple coil. 6th. As a means of producing a rotary magnetic field, a compound coil and a simple coil suitably spaced on a ring or drum core, the compound coil having a condenser in series therewith to produce a displaced magnetomotive force relatively to that of the simple core. 7th. As a means of producing a rotary magnetic field, a compound coil and a simple coil suitably spaced on a ring or drum core, the compound coil being connected in two branch circuits containing an inductance and condenser adjusted to produce a definite displacement of magnetomotive force. 8th. As a means of pro-