nected with the trigger and operating, when the trigger is released, to return it and the clevator to their normal positions, substantially as described 12th In a magazine fire arm, the combination of a magazine C provided with an automatic feed for the cartridges, a chamber it contaming a laterally elongated bore L partly closed at its forward end, and communicating at its rear end with the chamber E, a yielding tongue for in the base of the bore L, a pivotal cam N in the side of the sand bore, a magazine C communicating at the rore on with the open forward and of the bore L, an elevator D in the chamber E provided with a bore normally communicating at open ice ends with the magazine C, and bore L, a trigger connected with the clear tridge contained in its bore to the barrel, and firing mechanism, the cartridge contained in its bore to the barrel, and firing mechanism, it connected with the rigger connected for the cartridges, a chamber E into which the magazine C leads, a chamber E into which the magazine C leads, a chamber E into which the magazine C leads, a chamber E into which the magazine C leads, a chamber E, a magazine C communicating at its rear end with the open toward end of the bore L, an elevator D provided with an eliminating a opposite ends with the part of the provided with a part of the provided with a chamber E, on elevator in the chamber E, and having a bore normally communicating at its rear end with the open toward end of the bore. I am elevator D provided with a chamber E on opposite sides of the needle, and extending the chamber raise the elevator in its chamber, and adapted when released to lower the elevator to its normal position, the combination, with the barrel G and chamber E, of a reciprocating needle I having a recess near its rear end containing rubber hi surmounted by a tongue h, a cross-bar extending transversely through the said recess and tongue, a spiral spring I: surrounding the needle, sliding collar k and ki, having guides ke to enter grooves y and y: in the sides of the needle, and confined upon the needle and confining the spring I: between them, a cam K having guides in its opposite sides, and fingers s' upon the projecting ends of the cross-bar extending into the guides in the said cam, and into the path of the frigger, substantially as and for the purpose set torth. 19th In a magazine fire arm, the combination, with the stock having a magazine C of an automatic feed for the cartridges comprising a laterally confined spiral spring B extending into a chamber formed in one side of the stock, and communicating with the magazine C and provided with a finger q extending through carridges comprising a laterally confined spiral spring B extending into a chamber formed in one side of the stock, and communicating with the magazine C, and provided with a finger q2 extending through a slot s in the stock, substantially as described. 19th. In a magazine fire-arm, the combination, with the stock having a magazine C, of an automatic feed for the cartridges, comprising a spiral spring B extend, 'rg into a pivotal housing rs in a chamber r formed in one side of two... ck, and communicating with the said magazine, a spring B, and a finger q2 connected with the head q, and extending through a slot s in the stock, substantially as described. 20th In a magazine fire-arm, the combination, of a stock A containing a magazine C, and provided with slots s and s2 and a chamber r in one side communicating with the said magazine and provided with a recess a4, a spiral spring B extending into a pivotal housing r2 in the chamber r, and hollowed out on its outer side, a spring B, and a finger q3 connected with the head q, and extending normally through the slot s in the stock, substantially as described. 21st. In a magazine fire-arm, the combination of a stock A containing a magazine C, and provided with a slot s closed with rubber strips s1, a slot s2, and a chamber r in one side communicating with the said magazine, and provided with a recess a2, a spiral spring B extending into a pivotal housing r2 in the

chamber r, a spring r3 behind the housing r2, a head q at the forward end of the spring B, and a finger q3 connected with the head q, and extending normally through the slot s in the stock, substantially as described. 22nd. In a magazine fire-arm having a chamber E, the combination, with the barrel G, of a magazine C communicating from its rear end with the forward end of the chamber E to receive the shells of cartridges after their explosion in the gun, and provided towards its forward end with an opening e, and a bevelled side c at the said opening, substantially as and for the purpose set forth. 22nd. In a magazine thre-arm having a chamber E, the combination, with the barrel G, of a magazine C communicating from its rear end with the forward end of the chamber E to receive the shells of cartridges after their explosion in the gun, and provided toward its forward end with an opening c having an adjustable cover d, and a bevelled side et at the said opening, substantially as and for the purpose set forth. forth.

No. 29,341. Folding Cot. (Lit pliant.)

John C. Porter, New York, U.S., 13th June, 1888; 5 years.

John C. Porter, New York, U.S., 13th June, 1888; 5 years.

Claim.—1st. As a new article of manufacture, a folding cot consisting of a main body formed of the side bars A, A, and cross pieces B, B, the folding logs E, folding holding arms F, springs C and slats D, all arranged substantially as shown and described. 2nd The legs E hinged to the main side bars A, and provided with the round bi, in combination with the hinged holding arms F, notched at d, and provided with the stops f, substantially as and for the purposes set forth. 3rd. In a folding cot, the main frame composed of the side beams A, A, cross bars B, B supporting the springs, and the slats held upon the same, and the folding legs E pivoted to the side bars A, and provided with the rounds bi, in combination with the holding arms F, each pivoted to the main side bars A on a line with the pivote of the legs E, and notched at d, and provided with the stop pins f between the notch d and the pivot of the holding arms, substantially as described. described.

No. 29,342. Chafing Dish. (Réchaud.)

ierre A. Bégin, Ottawa, Unt., 13th June, 1888; 5 years.

Reclame.—lo. Dans un réchaud activé par une lampe à l'huile, le vaisseau B munie d'un tuyau conique central H ayant la couverture C, tel que déent pour les fins sus-mentionées. 20. La combinaison dans un réchaud activé par un lampe à l'huile, de la théiere A, cheminée D, vaisseau B, tuyau H et couverture C, le tout tels que déent pour les fins sus-mentionnées.

No. 29,343, Harrow. (Herse.)

George Gillies, Gananoque, Ont., 14th June, 1888; 5 years.

George Gillies, Gananoque, Ont. 14th June, 1883; 5 years.

Claim—1st. A harrow frame consisting of two sections, each section composed of two parallel bars bent to intersect at the ends. and husced together in V-form, as set forth. 2nd. A harrow frame consisting of two sections hinged together in V-form, suid sections provided with a fonder J at the front, as set forth. 3rd. A harrow having a tooth at the joint of two sections hinged together, as set forth. 4th. A harrow consisting of two sections hinged together, each section composed of two parallel bars provided with teeth, one of which bars having a round hole or eye, and the corresponding bar of the opposite section a square hole or eye, and a pintle rod having a round portion to enter the round eye, and a square portion to enter the square eye, and a tooth-holder and tooth eighed to said pintle rod, as set forth. 5th. The combination in a harrow of two sections, a pintle connector "said sections, a tooth-holder scated on said pintle, a tooth-holder and tooth together, substantially as set forth.

No. 29,344. Seaming Machine.

(Machine à agrafer les feuilles de métal.)

Francis A. Walsh, Milwaukee, Wis., U.S., 14th June, 1883; 5 years. Claim.—Ist. In a machine for seaming shoot metal vessels, a roller former having a seaming groove at an acute angle to its axis, and means, substantially as described, for actuating said roller former with relation to a vessel, whereby the operation of seaming is accomplished, as set forth—2nd. In a machine for seaming sheet metal vessels, a roll or former having a seaming groove at an acute angle to its axis, and a finishing face approximately parallel to said axis, and means, substantially as described, for actuating said roll or former with relation to a vessel, whereby the operation of double seaming may be accomplished, as set forth—3rd. In a machine for seaming sheet metal vessels, a roll or former having a seaming groove at an acute angle to its axis, a finishing face approximately parallel to said axis, and a shoulder at an angle to the finishing face, and means, substantially as described, for actuating said roll or former with rollation to a vessel, whereby the speration of seaming is accomplished, as set forth. 4th. In a machine for seaming sheet metal vessels, a roll or former medic in two sections, said sections so constructed and arranged that a groove at an acute angle to the axis of the roll or former is loft between the opposing surfaces of said sections, and means, substantially as described, for actuating said roll or former with relation to a vessel, whereby the operation of seaming may be accomplished, as set forth. 5th. In a machine for seaming sheet metal vessels, a roll or former made in two sections so constructed and arranged that a groove at an acute angle to the axis of the roll or former is left between the opposing surfaces of the sections, and means, substantially as described, for holding one of said sections angainst rotation, and for actuating said roll or former with relation to a vessel, whereby the operation of seaming sheet metal vessels, a roll or former provided with a seaming groove, and bevelled on one s Francis A. Walsh, Milwaukee, Wis., U.S., 14th June, 1888; 5 years. Claim.—1st. In a machine for scaming sheet metal vessels, a roller