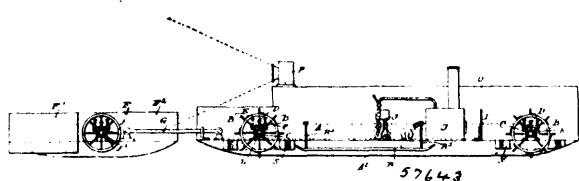


bination of the body and the propelling mechanism thereof, with the pilot pivotally connected to one end of the body, and the steer-



ing chains attached to the pilot and to a steering mechanism on the body, for the purpose and substantially as described. 3rd. In a sled-boat, the combination of the buoyant body having longitudinal depending, hollow runners at its sides, with the vertically-adjustable, spring-cushioned shafts arranged transversely of the body, the propelling wheels on said shafts exterior to the body, the engine, and the gearing between said engine-shafts and the propelling wheel-shafts, substantially as described. 4th. The herein-described sled-boat, adapted for travel on water, land, ice, etc., comprising a hollow, steel body formed with a longitudinal channel in its bottom, and longitudinal, hollow runners on its sides, and means for propelling said vessel, substantially as described. 5th. The combination, with the buoyant body having hollow runners, substantially as described, the transverse shafts mounted in spring-pressed journal-boxes, and means for vertically adjusting said shafts in said boxes; with the wheels attached to the outer ends of said shafts provided with detachable blades, all so arranged that the wheels can be caused to uphold the body upon land, or provided with blades and raised so as to propel the body through water or upon the runners, substantially as and for the purpose set forth. 6th. The combination of the body having longitudinal, depending, hollow runners, transverse shafts carrying wheels on their ends exterior to the body, an engine, and mechanism, substantially as described, for driving said shafts and wheels; with the buoyant pilot pivotally connected to the front end of the body, and mechanism, substantially as described, for turning said pilot, substantially as and for the purpose set forth. 7th. The combination of the hollow, buoyant body having a longitudinal channel in its bottom, and hollow runners at each side of said channel; transverse shafts journaled in spring-pressed vertically-adjustable journal-boxes; propeller wheels on the outer ends of said shafts, an engine, and sprocket-chains and gears for driving said propeller-wheel shafts from the engine-shaft, all substantially as described. 8th. The herein-described sled-boat, adapted for travel on water, land, ice, etc., comprising a hollow steel body formed with a longitudinal channel in its bottom, and longitudinal hollow runners on its sides, and means for propelling said vessel, with a hollow, buoyant pilot in front of the body, the bar pivotally connecting the pilot to the body, and the crossed steering chain connecting the pilot to the steering gear on the body, all substantially as described. 9th. The combination of the hollow, buoyant body, having a longitudinal channel in its bottom, and hollow runners at each side of said channel; transverse shafts journaled in spring-pressed, vertically-adjustable journal-boxes; propeller wheels on the outer ends of said shafts, an engine, and sprocket-chains and gears for driving said propeller-wheel shafts from the engine-shaft, with a hollow, buoyant pilot in front of the body, the bar pivotally connecting the pilot to the body, and the crossed steering-chain connecting the pilot to the steering gear on the body, all substantially as described. 10th. In a sled-boat, the combination of the body with the automatic guards attached thereto, and adapted to prevent upsetting thereof, for the purpose and substantially as described. 11th. In a sled-boat, the combination of the body provided with self-propelling mechanism, substantially as described, with the swinging guards suspended from the sides of the body and adapted to automatically swing outward to prevent upsetting thereof, for the purpose and substantially as described.

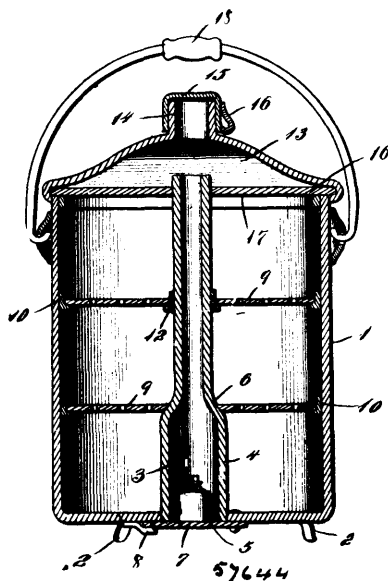
No. 57,644. Dinner Kettle.

(Chaudière garde-manger pour ouvriers.)

William MacCallum, Magog, Quebec, Canada, 1st October, 1897; 6 years. (Filed 23rd September, 1897.)

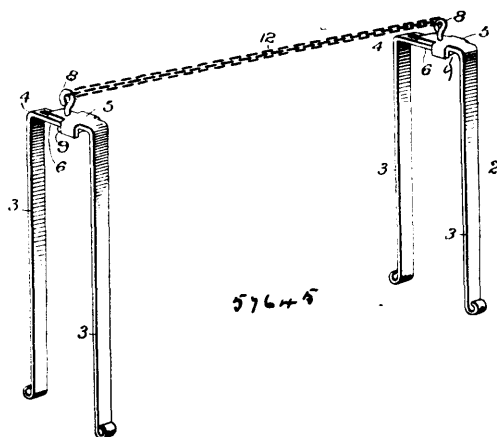
Claim.—1st. In a dinner pail, the combination of a pail provided with a funnel-shaped tube or flue having an enlarged bottom end and a top contracted end having shoulders formed at their intersections, and a series of perforated supporting plates contained within the pail and resting upon flanges on said tube and side walls of the pail, the lowermost one of said plates resting upon the said shoulders of the flue or tube, substantially as described. 2nd. In a dinner pail, the combination of a pail having a tube or flue extending therethrough and adapted to contain a lamp or other heating medium, a cover closing the said pail and provided with an opening for passage of the products of combustion from the lamp to the atmosphere, and an auxiliary cover below the said top cover and

adapted to fit tightly about the tube or flue and prevent the products of combustion from the lamp from being forced back into the



pail, and a series of supporting plates within the pail and supported upon said tube, substantially as described.

No. 57,645. Book Holder. (Porte-livres.)



Mary E. Spielman, Alma, Kansas, U.S.A., 1st October, 1897; 6 years. (Filed 23rd September, 1897.)

Claim.—1st. In a book clasp or holder, the parallel elastic arms provided with the shank extensions arranged at right angles to the elastic arms, in combination with means for effecting the adjustment of said arms, substantially as described. 2nd. In a book clasp or holder, the parallel elastic arms provided with diverging points and with angular shank extensions, in combination with means for adjusting said extensions one upon the other, substantially as described. 3rd. In a book holder, the two clasps having each a pair of elastic parallel arms, in combination with a flexible connection between said clasps, for the purpose and substantially as described.

No. 57,646. Water-Closet. (Latrine à eau.)

Joseph Gingras, Montréal, Québec, Canada, 1er octobre 1897; 6 ans. (Déposé 26 août 1897.)

Résumé.—1° Dans un water-closet à pression, la combinaison du couvercle C avec l'essieu j du robinet i et la citerne close d, tel que ci-dessus décrit et pour les fins indiquées. 2° Dans un water-closet à pression, la combinaison d'un tuyau d'eau e fourni par le robinet i, avec le tuyau d'air f contenu dans le tuyau d'eau e, ainsi que d'une broche z supportant un bout de tuyau m et une rondelle n, tel que ci-dessus décrit et pour les fins indiquées. 3° Dans un water-closet à pression, la combinaison d'un levier ou bascule l supporté par l'essieu x et fonctionnant en conjonction avec l'essieu j du robinet i et la broche z, et le tuyau O, tel que ci-dessus décrit et pour les fins indiquées. 4° Dans un water-closet à pression, la