stiff and durable, consisting of a mixture of one hundred parts of rusin and forty each of tailow and paraffine, substantially as described.

No. 30,022. Means of Conveying Postal Mat-ter, Builion, Valuables and the like at sea. (Appareil pour le transport par eau des malles, de la monare, des valeurs et autre objets semblables }

William W. Fuziey, Havelet, Guernsey, 20th October, 1888; 5 yearsflaim—1st. The herenthefore described improved means of contestag mail or postal matter, bullion, valuables, and the like at sea,
and of floating the same and saving life in cases of emergency. 2nd,
In apparatus used for the purpose of the invention, in combination,
the busyant watertight casing I streng honed with surrounding
bands 2 and adapted with life lines 10, for radius 19, cylinder 12 and
contributed may 13 and watertight doors 8, with an inner partitioned
watertight lining 3 partitioned off into a ballisting compartment 21,
hous ant compartments 5 and watertight compartments for reception
of mail or other matter and adopted with watertight doors 7, subsimilarly as hereinbefore described. 3rd. The method of securing
such busyant ensing and lining thus respectively adapted to the deek
of a cessel, by forming the chamber with conical feet 14 fitting into
like shaped recessed suckets 16 proyecing from the deek, and lashing
the casing to the deek by cord 18 passing through staples 15, 17, respec ively projecting from the said casing and deek, substantially as
hereinbefore described. William W. Fuzzey, Havelet, Guernsey, 20th October, 1888; 5 years.

No. 30,023. Theatrical Appliance. (Coursses de théatre

John T. Kilham and Josephene L. Beach, Lowville, N.Y., U.S., 20th Uctober, 1883; 5 years

October, 1838; 5 years.

Praim—lst. A scene composed of sets of interchangable sections, the sections of one set being constacted to alternately bide and expose these of the other set, substantially as described. 2nd. A plurality of sectional scenes, combined with means for interchanging them, as cet forth. 3rd. Two sectional curtains, the sections of one curtain hong constructed and arranged to be either exposed over or convaded beneath the sections of the other curtain, as set forth. 4th. The combination, with a stationary sectional curtain, of a movable sectional curtain, in the sections of which move between the sections of the entironary curtain, as set forth. 5th. The combination, with a stationary sectional curtain, of two or more movable sectional curtains, and tacens for simultaneously moving all of the sections of curtain, and tacens for simultaneously moving all of the sections distantially as a "d for the purpose described. 6th The combination, with a sectional stationary curtain, fitted or more movable sectional curtains, substantially as a "d for the purpose described. 6th The combination, with a sectional stationary curtain, of two or more movable sectional curtains, the sections of which move between the sections of the stationary curtain, substantially as sectional stationary curtain, substantially as described in order to expose to view the opposite face, substantially as described and for the purpose specified. 5th. A series of curtain substantially as described and for the purpose specified. 8th. A curtain composed of separate reversible sections, each carrying a portion of a scene, and arranged when overlapped to form a complete scene, substantially as described.

No. 30.024. Blotting Park (Carrengelmangle)

No. 30,024. Blotting Pad. (Coussinet-duvard.)

Moses Affalo and James A. Game, London, Eng., 20th October, 1888;

Claim.—1st. A blotting pad a mounted on a stiff backing, and furnished with a loop b for encircling the finger, or fingers, of the eser, substantially as herein described. 2nd. A blotting pad a mounted in a backing or lining as, and formed with a projecting tab c which, when folded over and secured to the studed, forms a loop for the thamb, the pad being further provided with a loop, or loops, such as d, adapted for encircling the hand, or hand and wrist, of the user, and for engaging with the stud or studes; substantially as and for the purpose set forth.

No. 30,025. Manufacture of Implements and Tools having Cutting Edges. (Fabrication des instruments et outils tran-

Josephus Hooper, Louisville, Ky., and Thomas Clark, New Albany, Ind., U.S., 22nd October, 1888, 5 years.

Claim.—The method of making implements and tools with steel cutting edges from east-tron, which consists in first easting a blank or hard easting of a form approximating that of the finished article, but of greater and uniform thickness of that portion intended for the ruting edges, then partially decarbonizing said blank, then working the partially decarbonized blank at its cutting edges until it assumes the shape of the finished article, at the same time condensing the grain at said edges and finally tempering said edges, substantially as described.

No. 30,026. Drier for Pottery, etc. (Sechoir pour poterie, etc.)

The TRE W. Sharor, Terre Haute, Ind., U. S., 22nd October, 1888; 5

Years.

When — In a drier, the combination of the drying chambers having flues under the bottoms, furnaces having flues communicating with the flurs beneath the drying chambers, the air duets C and Ci in the site walls of the furnaces, and air duets crand of formed in the divisional waits of the furnace flues, and delivering into the air riets of the drying chambers, and the air duets of being connected with duet is by lateral passages, and air duets of being connected together by the duet c' and by it with passage or duet c, substantiality a described. trally as described.

No. 30.027. Improvements in Electricity Meters, parts of which improvements are applicable to Dynamo-Electrice Generators and Motors. (Perfectionnements dans les compteurs à electricité, en partie applicables aux généraleurs et moteurs dynamo-electriques.)

George Hookham, Birmingham, Eng., 22nd October, 1999; 5 years.

Claim—1st. An electricity meter for measuring currents of constant, or nearly constant, electro-motive force, consisting of an electro-motive with constant field arranged substantially as heromosfore described and illustrated in the accompanying drawing, so that the driving force is proportional to the current to be measured, the said electro-motor being combined with an electric brake also moving in a constant, or nearly constant, field, prefer thy the same field as that in which the armature rothes, substantially as herein described and illustrated in the accompaning drawings. 2nd. An electricity meter for measuring electrical suercy, consisting a plus resulting or more properties. a constant, or nearly constant, field, prefer bly the same field as that in which the arimature rothes, substantially as herein described and illustrated in the accompaning drawings. 2nd. An obectructy meter for measuring electrical energy, consisting of an elec ro-motor arranged as hereinbofore described and in part illustrated in the accompanying drawings, so that the directing target is propertional either to the quantity of the current to be measured, or to its electro-motive force, and, therefare, to the product of these quantities, the said electro-motor being combined with a repartite electric brake, the field of which brake is kent constant, either by the use of saturated electro-motor being combined with a repartite electric brake, the field of which brake is kent constant, either by the use of saturated electro-motor force, or by the use of vermanent magnets kept constant and capable of regulation by the means described, also the exciting of the electro magnets, both of the motor and separtite brake by the same shuat current, substantially as described. 3rd. In an electricity meter, the armittere compound wound with a shunt circuit, having separate communator and brash arrangements. for the purpose set forth. 3rd. a In an electricity meter, the armature and magnets computed wound with a shunt circuit, and the communator brashes arranged with a positive lead on the commutator, for the purpose set forth. 4rd. b. In an electricity meters, the autaining a constant field either for the brake, or the armature, or both, by the use of electro-magnets of such construction and dimensions that they are depired with a positive lead on the commutator, for the purpose set forth. In electroity meters, the captive lead on the commutator for the purpose of neartaining the rised constant, and the armature, or both, by the use of electro-magnets of such construction and dimensions that they are kept in a state of saturation by a shunt current of the circuit in which they are employed, substantially as herein described.

No. 30,028. Adding Machine.

(Machine pour additionner.)

(Machine pour additionner.)

Eugene W. Vest, Rookuk, Iowa, U.S., 22nd October, 1883; 5 years.

Claim.—1st. In an adding-machine, a disk having a spiral series of holes, and a stop adapted to be inserted in any one of said holes, in combination with the registering-wheels, means for rotating them, and a stop earried by one of said wheels, and adapted to imping against the stop first named for arresting the movement of the parts, substantially as set forth. 2nd. The combination, with the revoluble registering-wheels, of a disk having a spiral series of holes, a stop-pin adapted to be inserted in any one of said holes, and a stop carried by one of said wheels and adapted to impinge against the stop-pin for arresting the rotation of said wheels, substantially as set forth. 3rd. In an adding-machine, the combination, with the registering-wheels and a morable stop-bar having connection with the units-wheel, of a disk having a spiral series of holes, a stop-pin adapted to be inserted in any one of said holes, and means for moving the end of the stop-bar, the distance between two adjacent rows of holes each time there has been a complete revolution of the units-wheel, substantially as set forth. 4th. In an adding-machine, the combination, with the revoluble registering-wheels and a stding stop-bar movable in unison with the units-wheel, of a fixed disk having a spiral series of holes, a movable stop adapted to be inserted in any one of said holes, and a stop-bar movable in unison with the units-wheel, of a fixed disk having a spiral series of holes, and means for moving the shding stop-bar, the distance between two adjacent rows of holes at each complete revolution of the units-wheel, substantially as set forth. 6th. In an adding-machine, the combination, with the registering disks and a stop-bar moved by the combination, which he registering disks and a stop-bar moved by the compresses of holes, and a spiral cam groove, of a stop-pin adapted to be inserted in any one of said holes, and a stop-bar moved by the combinat Eugene W. Vest, Rookuk, Iowa, U.S., 22nd October, 1883; 5 years.