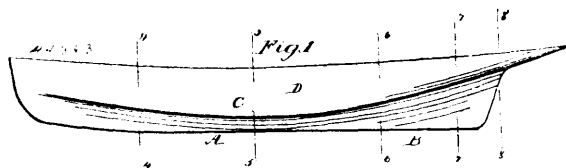


with its extended part, being received in said kerf or channel in the moulding when the latter is put to place on the nails, substantially as shown, and for the purpose specified.

No. 44,393. Method of making Hulls of Vessels.

(*Méthode de faire les coques de vaisseaux.*)



Patrick O'Brien, Presbytery, Riverhead, St. Johns, Newfoundland,
4th October, 1893; 6 years.

Claim.—1st. The hereinbefore described improvement in the construction of hulls of vessels, which consists in constructing said hulls with a bottom extending upwardly from the keel, said bottom being concave in transverse direction, and sides inclined inwardly from the top of the hull towards the bottom, said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth. 2nd. The hereinbefore described improvement in the construction of hulls of vessels, which consists in constructing said hulls with a bottom extending upwardly from the keel, said bottom being convex in longitudinal and concave in transverse direction, and essentially straight sides inclined inwardly from the top of the hull towards the bottom, said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth. 3rd. The hereinbefore described improvement in the construction of hulls of vessels, which consists in constructing said hulls with a bottom extending upwardly from the keel, said bottom being convex in longitudinal and concave in transverse direction, the concavity increasing towards the stern, and essentially straight sides inclined inwardly from the top of the hull towards the bottom, the portion of the sides near the stern being convex, and the inclination of the sides increasing from one end of the vessel to the other, the said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth with reference to the accompanying drawings. 4th. A vessel's hull having a bottom extending upwardly from the keel, said bottom being concave in transverse direction, and sides inclined inwardly from the top of the hull towards the bottom, said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth. 5th. A vessel's hull having a bottom extending upwardly from the keel, said bottom being convex in longitudinal and concave in transverse direction, and essentially straight sides inclined inwardly from the top of the hull towards the bottom, said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth. 6th. A vessel's hull having a bottom extending upwardly from the keel, said bottom being convex in longitudinal and concave in transverse direction, the concavity increasing towards the stern, and essentially straight sides inclined inwardly from the top of the hull towards the bottom, the portion of the sides near the stern being essentially convex and the inclination of the sides increasing from one end of the vessel to the other, the said bottom and sides meeting along a sharp edge to form bilges which are adapted to serve as side keels, substantially as set forth with reference to the accompanying drawings. 7th. The improved vessel's hull, substantially as illustrated in the accompanying drawings and described with reference thereto.

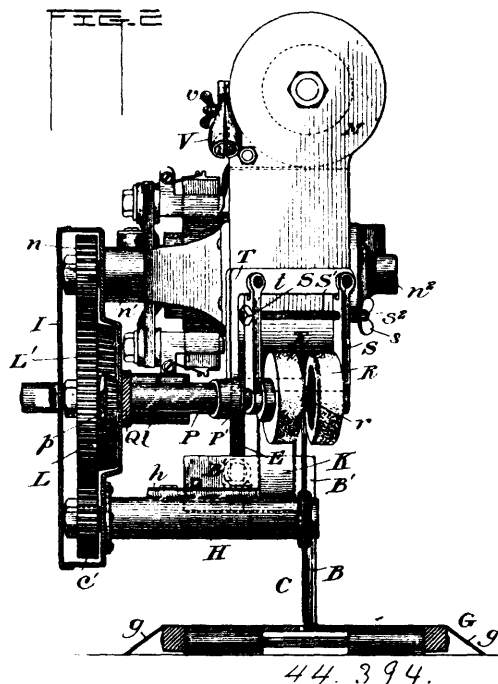
No. 44,394. Cloth Cutting Machine.

(*Machine à découper le drap.*)

John Wolf, junr., and Jacob Block, both of Cincinnati, Ohio,
U.S.A., 4th October, 1893; 6 years.

Claim.—1st. A cloth cutting machine, comprising the foot plate having a standard rising therefrom, the cloth lifting plate fitting loosely around said foot plate, a motor mounted on said standard, a rotary cutter journaled below said motor, and means arranged to impart motion from the motor to the cutter, substantially as described. 2nd. In a cloth cutting machine, the combination, with the foot plate and cutting mechanism supported thereon, of the gravitating cloth lifting plate fitting loosely about said foot plate flush with the upper surface thereof and having its sides and ends inclined outwardly and downwardly therefrom, substantially as described. 3rd. In a cloth cutting machine, the combination, with the foot plate having the standard rising therefrom and supporting the cutting mechanism, of the cloth lifting plate surrounding said foot plate flush with the upper surfaces thereof and having its sides and ends inclined downwardly and outwardly from such surface, substantially as described. 4th. In a cloth cutting machine, the combination, with the foot plate having the standard thereon, of the rotary cutter journaled at one side of said standard, the rotary electric motor mounted over said cutter so as to throw a preponderance of its weight on one side of the standard, the cutter shaft, the

armature shaft of the motor, and the framing of the machine being extended laterally at the opposite side of the standard so as to over-



hang the foot plate and counterbalance the weight, a pinion on each of said shafts and an intermediate gear wheel journaled in said framing and meshing with said pinions whereby the several parts of the machine are assembled in compact form and the weight on opposite sides of the standard is counterbalanced while the centre of gravity is lowered so as to balance and steady the movements of the machine and impart a positive motion to the cutter from the armature shaft of the motor, substantially as described. 5th. In a cloth cutting machine, the combination, with the foot plate having the standard thereon, of the rotary cutter journaled in a frame supported by said standard, a rotary motor mounted over the cutter, gearing arranged to impart motion from the motor to the cutter and a casing enclosing said gearing, substantially as described. 6th. A cloth cutting machine, comprising the foot plate having the standard rising therefrom, the frame supported by said standard so as to overhang the foot plate at one side, the casing supported above said foot plate at said side thereof, an arbour extending from said casing and supporting a rotary cutter adjacent to said standard, a rotary electric motor mounted over said cutter with its shaft extending laterally to said casing, and spur gearing enclosed in said casing and adapted to transmit motion from the motor to the cutter, substantially as described. 7th. In a cloth cutting machine, the foot plate having a plain upper surface with a standard rising therefrom and supporting a rotary cutter, and mechanism for rotating the cutter, in combination with the cloth lifting plate fitting loosely about said foot plate with its inner edges normally flush with the upper surface thereof and sloping outwardly therefrom, said cloth lifting plate being free to rise and fall independently of the foot plate, substantially as described. 8th. In a cloth cutting machine, the rectangular foot plate having a plain top with a standard rising therefrom and supporting a rotary cutter and its actuating mechanism, in combination with the cloth lifting plate having the rectangular opening to receive said foot plate and inclined outwardly and downwardly therefrom at its sides and ends, the inclined portion of the cloth lifting plate at one end being lengthened so as to form an extended gently sloping surface in advance of the cutter, substantially as described. 9th. In a cloth cutting machine, the foot plate mounted on rollers and having a standard rising therefrom and supporting a rotary cutter and its actuating mechanism, in combination with the gravitating cloth lifting plate fitting loosely about said foot plate so as to permit a free vertical movement thereof, said cloth lifting plate having sloping sides and ends the inner edges of which are normally flush with the upper adjacent edges of the foot plate, substantially as described. 10th. The combination, with the foot plate of the standard, the post adjustably secured to said standard, the motor mounted upon said post, the rotary cutter journaled in a depending portion of the motor supporting frame and in gear with said motor, an elevating device for raising and lowering the post, and means for securing the parts in the desired position, substantially as described. 11th. The combination, with the foot plate, of the standard, the post adjustably secured to said standard, the motor mounted upon