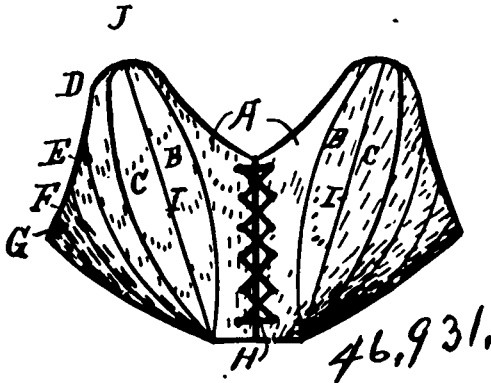


upper end of the base gore sufficiently to hold the centre line of the base gore at an angle of about 20 degrees from the perpendicular, and the several outer gores, each broad at the upper end to form



the line J, D, E, F, G, thence each converging by curved lines to a point at the lower end, each outer gore united to, and drawing slightly upon each successive inner gore to form the desired curvatures both longitudinally and laterally, substantially as and for the purpose set forth.

No. 46,932. Process of Treating Fabrics.

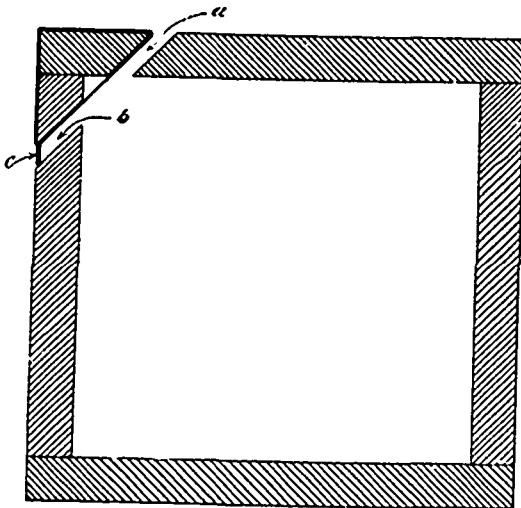
(*Procédé pour le traitement des tissus.*)

Frederick George Annison, 218 Burdett Road, Bow, County London, England, 1st September, 1894; 6 years.

Claim.—The process of treating fabrics by impregnating such fabrics with liquid hylonite or celluloid, substantially as described.

No. 46,933. Means of Sealing Boxes.

(*Manière de sceller les boîtes.*)



Joseph Adolphe Christin, Montréal, Québec, Canada, 1er Septembre 1894; 6 ans.

Résumé.—Ce procédé ou manière de sceller les boîtes consistant à percer en ligne droite les trous *a*, dans le couvercle et *b*, dans le côté de la boîte et à passer dans ces trous *a* et *b*, un fil de fer, de laiton ou une corde quelconque que l'on scelle ensuite au plomb ou à la cire, le cachet de plomb ou de cire *c*, étant ensuite enfoncé dans l'un des trous *a* ou *b*, afin de ne pas occuper d'espace extérieur ni être exposé à être brisé, le tout tel que décrit et pour les fins indiquées.

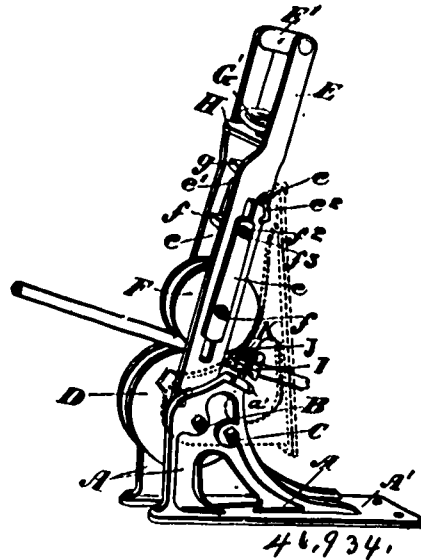
No. 46,934. Pipe Bender.

(*Machine pour courber les tuyaux.*)

Thomas Seaton, sr., Toronto, Ontario, Canada, 1st September, 1894; 6 years.

Claim.—1st. In a pipe bender, the combination with the standards and stationary grooved wheel supported therein and means for holding one end of the pipe, of a swing-arm, pivoted on the central bolt

supporting the stationary-wheel and provided with a grooved wheel adjustably held within the arm, as and for the purpose specified. 2nd. In a pipe bender, the combination with the standards and



stationary grooved wheel supported therein and means for holding one end of the pipe, of a swing-arm E, E, pivoted on the central bolt supporting the stationary wheel and provided with a grooved wheel F, journaled on the bolt *f*, extending through the slots *c'*, *c'*, into the side-bars *c*, *c*, the cross-bar *f'*, the ends of which also extend through the slots *c'*, *c'*, into the side-bars *c*, *c*, and the screw spindle G, screwed through the cross-bar *g*, secured in the cross-bar *f'*, at the bottom, as and for the purpose specified. 3rd. In a pipe bender, the combination with the standard and stationary grooved-wheel supported therein and means for holding one end of the pipe, of a swing-arm E, E, pivoted on the central bolt supporting the stationary wheel and provided with a grooved wheel F, journaled on the bolt *f*, extending through the slots *c'*, *c'*, into the side-bars *c*, *c*, the cross-bar *f'*, the ends of which also extend through the slots *c'*, *c'*, into the side-bars *c*, *c*, and the screw spindle G, screwed through the cross-bar *g*, secured in the cross-bar *f'*, at the bottom and the guard H, and handle E', arranged as and for the purpose specified. 4th. In a pipe bender, the combination with the standards and stationary grooved wheel supported therein by the bolts B and C, which extend through the radial recess *d*, and means for holding one end of the pipe, of the swing-arm E, E, provided with adjustable held grooved wheel F, as and for the purpose specified. 5th. In a pipe bender, the combination with the standards A, A, and stationary grooved wheel supported therein by the bolts B and C, which extend through the radial recess *d*, the segmental recess *d'*, made in the wheel D, and means for holding one end of the pipe, of the swing arm E, E, provided with adjustable held grooved wheel F, as and for the purpose specified. 6th. The combination with the standards and stationary grooved wheel supported therein, and the swing arm having the adjustable grooved wheel F, capable of rotation, of the holding blocks I, I', the block I', of which has recesses *i'*, to fit upon the upwardly extending projections *a*, *a*, of the standard A, A, and provided with the central arc-shaped recesses *i*, *i'*, for the reception of the pipe, and means for holding such blocks together, so as to clamp the pipe during bending, as and for the purpose specified. 7th. The combination with the standards and stationary grooved wheel supported therein, and the swing arm having the adjustable grooved wheel F, capable of rotation of the holding block blocks I, I', having the notches *i'*, and *i'*, respectively, and the lower block I', having the recesses *i'*, and the swing bolts J, designed to be brought to fit into the notches *i'*, and *i'*, and clamp the blocks together by means of the butterfly bolts K, as and for the purpose specified.

No. 46,935. Ice House. (Glacière.)

Mathias B. Eaton, Boston, Massachusetts, U.S.A., 1st September, 1894; 6 years.

Claim.—1st. In a building for storing ice, a containing shell having expansible walls to accommodate the lateral expansion of the ice during the process of freezing, substantially as and for the purposes set forth. 2nd. In a building for storing ice, an expansible shell having walls adapted to yield laterally to accommodate the lateral expansion of the ice during the process of freezing, and angular plates loosely set in the corners formed by said walls, and adapted to be forced closely into said corners by the expansion of the ice, substantially as and for the purposes set forth. 3rd. In a building