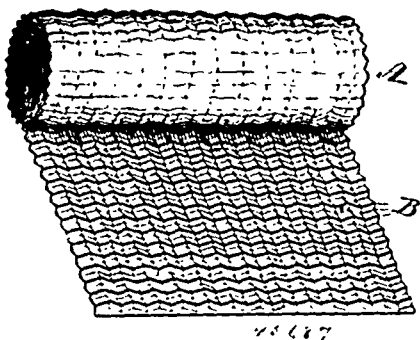


**No. 45,687. Paper for Carpet Linings, Wrappers, &c.** (*Papier pour doublure de tapis, enveloppe, etc.*)

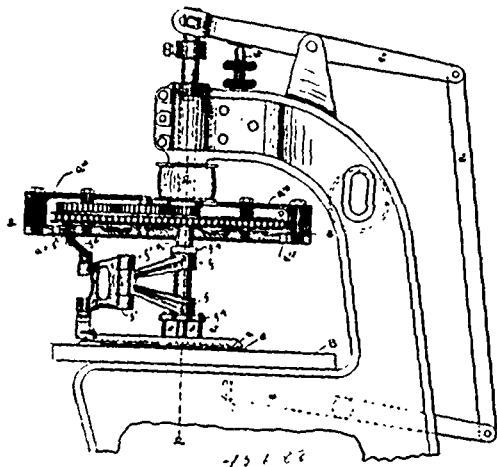


The E. B. Eddy Company, assignee of George H. Millen, all of Hull, Quebec, Canada, 3rd April, 1894; 6 years.

**Claim.**—A roll or web of paper having a surface indented with parallel zig-zag corrugation or crimps B, U-shaped or V shaped in cross section, the depressions on one side of the paper forming ridges on the opposite side, as set forth, for the purpose described.

**No. 45,688. Machine for Cutting Soles, &c.**

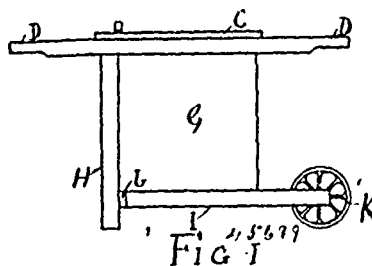
(*Machine pour tailler les semelles, etc.*)



The Canadian Rubber Company, Montreal, Quebec, Canada, assignee of The Wellman Sole Cutting Machine Company, Boston, assignee of Allison Morris Stickney, Medford, both in Massachusetts, U.S.A., 4th April, 1894; 6 years.

**Claim.**—1st. In a machine for cutting soles and the like, a knife carrier made up of four arms, and a guide piece between the third and fourth arms, the inner arm *f* movable about an axis, the second arm *f'* hinged to the first arm *f*, the third arm *f''* hinged to second arm *f'*, the fourth arm *f'''* hinged to the driving chain, and the arms *f'* and *f''* hinged to the guide piece, all combined and operating, substantially as set forth. 2nd. In a machine for cutting soles and the like, the combination of a permanent form *a*<sup>1</sup>, having a path arranged to suit all the sizes and styles of soles for which the machine is adapted, a second form *a*<sup>2</sup>, having a path nearly approaching the outline of one particular size and style, and a third form *a*<sup>3</sup>, whose outline corresponds accurately with the outline of the particular size and style, the second and third forms being detachably connected with the machine, substantially as shown, to be changed at pleasure, all substantially as and for the purpose specified. 3rd. In a machine for cutting soles and the like, the improved form above described consisting of main form *a*, with inner and outer guiding surfaces and supplemental form *a*<sup>1</sup> of thin sheet metal, making a form with three guiding surfaces, two in the main form and the third the edge of the thin sheet metal form, all substantially as and for the purpose specified. 4th. In a machine for cutting soles and the like, knife block K, made in two parts in combination with knife holder *L*, attached by an arm to the upper part of knife block K, a spring between the upper and lower parts of knife block K, and an arm carrying a pattern roller and attached to the lower part of knife block K, all substantially as specified.

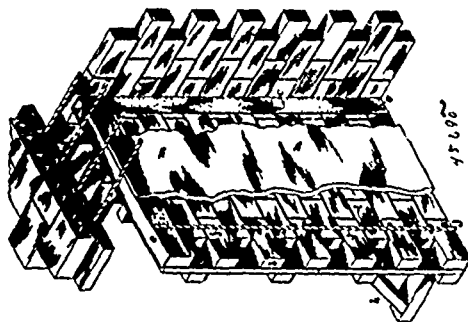
**No. 45,689. Ash-Sifter.** (*Crible à cendre.*)



Hugh Elias McColl, Toronto, Ontario, Canada, 4th April, 1894; 6 years.

**Claim.**—An ash-sifter and garbage box, comprised of frame and body G, lid C, handles D, wheel K, and sifter L, sliding on strips N, all arranged and combined, as shown and described.

**No. 45,690. Partition, &c.** (*Partition, etc.*)



Thomas A. Lee, New York, State of New York, U.S.A., 4th April, 1894; 6 years.

**Claim.**—1st. A partition or other wall having an interior of tiling or the like, and layers of mortar or other cement with tension rods embedded therein for reinforcing the said mortar or cement, whereby the cement and tension rods form, tension and compression members of the structure separated but rigidly united by the said tiling, substantially as and for the purposes set forth. 2nd. A partition or other wall having an interior of tiling or the like with tension rods secured thereto, substantially as and for the purposes set forth. 3rd. A partition or other wall having tension rod secured thereto, substantially as and for the purpose set forth. 4th. A partition or other wall having an interior portion and twisted tension rod and plastering surrounding the said rods and covering the said interior portion, substantially as and for the purposes set forth. 5th. A partition or like wall of tiling or the like provided with channels secured to the ceiling and adjacent walls and embracing the said tiling, and rods secured to the said tiling upon each face of the said wall, substantially as and for the purposes set forth. 6th. A partition or like wall of tiling or the like, a coat of plastering upon each face thereof, tension rods embedded in the said plastering and channels at the junction of the said wall with ceiling, adjacent walls, or doors and other frames embracing the said tiling and embedded in the said plastering, substantially as and for the purposes set forth. 7th. A partition or other wall consisting of an interior portion of tiling and coats of mortar or other cement laid upon each face thereof, and channels secured to the adjacent walls or ceiling and embracing the said interior portion and covered by the said mortar or cement, whereby, the interior portion may be supported in the process of formation by the said channels, and whereby the said coats of mortar or cement form tension and compression members of the structure separated, but rigidly united by a web of tiling and secured to the adjacent wall or ceiling by the said channels, substantially as and for the purposes set forth. 8th. A partition or other wall of tiling or the like provided with channels secured to the ceiling or adjacent walls and embracing the said tiling, and plastering secured to the said wall and covering the said channels, substantially as and for the purposes set forth. 9th. In a wall construction, a frame for doors, windows or other wall openings, consisting of a shell of thin metal provided with flanges fitting the interior portion of the wall, for securing it to the said frame, whereby the said shell may be set up with the interior portion of the wall, and filled in, and the finishing coats of plaster thereafter applied over the said flanges, substantially as and for the purposes set forth.

**No. 45,691. Horse-shoe.** (*Fer à cheval.*)

Arthur E. Ogden, Ashley, North Dakota, U.S.A., 4th April, 1894; 6 years.

**Claim.**—1st. A horse-shoe comprising two sections of unequal length and pivoted together, each section being provided with an inwardly and upwardly extending flange, the longer section being