

No. 10,147. Improvements in Tin Cans.*(Perfectionnements aux boîtes métalliques.)*

Charles C. Lane, New Westminster, B. C., 24th June, 1879, for 5 years.

Claim.—1st. A fish-shaped can to be made of four pieces of metal, two pieces for the head half and two pieces for the tail half, each two pieces to

be crimped together, the one half being slightly less in size than the other, thereby allowing for the size of the fish to be canned; 2nd. The solder strips V-shaped to aid in soldering the centre seam of the two halves; 3rd. The depression in the can A, for the purpose of contraction and expansion during the boiling or canning process, and to aid in packing and to enable such canned packages to lie properly on dealers shelves; 4th. The combination of the extension of the two halves of the cans, the V-shaped strip or solder, and the raised or embossed metal in combination with each other.

List of Patents issued up to 23rd July, 1879, but not yet Officially published in the Patent Office Record.

No. 10,157. W. B. Barker, Hoboken, N. Y., U. S. A., "Marine Safety Signal," 24th June, 1879.

No. 10,158. J. & A. Scott, Richmond, Que., "Pump," (Extension of Patent No. 3,616), 26th June, 1879.

No. 10,159. G. W. Simons, St. Catharines, Ont., "Hingeless Gate," 26th June, 1879.

No. 10,160. L. P. Crandall, Eau Claire, Wis., U. S. A., "Trace Fastener," 26th June, 1879.

No. 10,161. S. C. Buchanan, Camden, Ark., U. S. A., "Liniment," 26th June, 1879.

No. 10,162. E. H. Thurston, Ottawa, Ont., "Boat Upper," 26th June, 1879.

No. 10,163. J. R. Haywood, Boston, Mass., U. S. A., "Oven," 26th June, 1879.

No. 10,164. Sam. Noxon, Ingersoll, Ont., "Combined Drill and Seeder," 26th June, 1879.

No. 10,165. Sam. Noxon, Ingersoll, Ont., "Grain Drill Teeth," 26th June, 1879.

No. 10,166. S. G. L. Morrow, New Bloomfield, Miss., U. S. A., "Earth Scraper," 26th June, 1879.

No. 10,167. S. Boyd, St. Catharines, Ont., "Ironing Board," 26th June, 1879.

No. 10,168. G. S. Woodruff, Grand Rapids, Mich., U. S. A., "Gas Governor," 26th June, 1879.

No. 10,169. J. Trent, New York, N. Y., U. S. A., "Burner for Kerosene Lamps," 26th June, 1879.

No. 10,170. O. A. Stempel and J. C. S. Foss, Washington, Miss., U. S. A., "Composition and Process for Preserving Eggs," 26th June, 1879.

No. 10,171. J. A. Shaefer, jr., W. Norman and R. W. Davies, (Assignees of J. A. Shaefer), New York, N. Y., U. S. A., "Process of Extracting Malt in the Manufacture of Lager Beer, Ales, &c.," 26th June, 1879.

No. 10,172. J. Goodrich, Henry, Ill., U. S. A., "Wrench and Vice," 26th June, 1879.

No. 10,173. E. W. Stephens, Erie, Penn., U. S. A., "Ore Concentrator," 26th June, 1879.

No. 10,174. G. O. S. Conway and W. Owens, Stonefield, and H. R. Ives, Montreal, Que., "Improved Mowing and Reaping Machine," 2nd July, 1879.

No. 10,175. H. W. Putnam, Bennington, Vt. (Assignee of C. de Quillfeldt, New York, N. Y., U. S. A.), "Bottle Stopper" (Extension of Patent No. 3,629), 2nd July, 1879.

No. 10,176. H. W. Putnam, Bennington, Vt., U. S. A. (Assignee of C. de Quillfeldt, New York, N. Y., U. S. A.), "Bottle Stopper" (Extension of Patent No. 3,629), 3rd July, 1879.

No. 10,177. The Detroit Stove Works, (Assignee of J. Dwyer), Detroit, Mich., U. S. A., "Stove" (Extension of Patent No. 3,705), 3rd July, 1879.

No. 10,178. W. Harrison, London, Ont., "Self-Binding Attachment for Reaping Machines," 3rd July, 1879.

No. 10,179. J. Canas, Allanburg, Ont., "Hydraulic Dredge," 3rd July, 1879.

No. 10,180. J. Blakeley, Toronto, Ont., "Car Axle Box," 3rd July, 1879.

No. 10,181. W. Weaver, Phoenixville, Penn., U. S. A., "Rock Drill, Well Borer and Prospector," 3rd July, 1879.

No. 10,182. L. Eckert and J. M. Harvey, Constantine, Mich., U. S. A., "Barrel Swinger," 3rd July, 1879.

No. 10,183. J. R. Arnold, Ottawa, Ont., "Excessive Pressure Signal," 3rd July, 1879.

No. 10,184. P. E. Drake, Belle Ewart, Ont., "Free Protector," 3rd July, 1879.

No. 10,185. J. P. Mauny, Rockford, Ill., U. S. A., "Harvester," 3rd July, 1879.

No. 10,186. L. M. and M. D. Chipley, St. Louis, Miss., U. S. A., "Improved Corset," 3rd July, 1879.

No. 10,187. W. Ryder, Philadelphia, Penn., U. S. A., "Continuous Hydro-carbon Oil Still," 3rd July, 1879.

No. 10,188. D. McC. Smyth, Hartford, Conn., U. S. A., "Book Sewing Machine," 3rd July, 1879.

No. 10,189. J. K. Anderson and A. P. W. Grass (Assignees of J. Daul, Buffalo, N. Y., U. S. A.), "Petroleum Rectifier," 3rd July, 1879.

No. 10,190. S. Crabb, Courtland, and J. N. Forshee, Tilsburg, Ont., "Seat Fastener for Waggon, &c.," 3rd July, 1879.

No. 10,191. P. Craford, Buckhorn, Ont., "Bee Hive," 3rd July, 1879.

No. 10,192. H. Beauty, Quebec, Que., "Screw and Nut Brace," 3rd July, 1879.

No. 10,193. R. J. Creelman and A. Kay, Georgetown, Ont., "Knitting Machine," 3rd July, 1879.

No. 10,194. Jno. Edgar, Sacramento, Cal., U. S. A., "Self-Feeder for Threshing Machines," 3rd July, 1879.

No. 10,195. F. G. Johnson, New York, N. Y., U. S. A., "Lawn Mower," 3rd July, 1879.

No. 10,196. W. W. Giles, Chicago, Ill., U. S. A., "Sawing Machine," 3rd July, 1879.

No. 10,197. F. Thompson, Wakefield, and W. H. Williamson, Leeds, England, "Middlings Purifier," 3rd July, 1879.

No. 10,198. W. Cratzer & D. F. Keagy, Woodbury, Penn., U. S. A., "Threshing Machine," 9th July, 1879.

No. 10,199. M. S. Lyon, Annada, Mich., U. S. A., "Fruit Drier," 9th July, 1879.

No. 10,200. J. R. Winters, Chambersburgh, Penn., and V. C. Murray, New York, N. Y., U. S. A., "Fire Escape Ladder and Hose Conductor," 9th July, 1879.

No. 10,201. S. P. Pantou, of Milton, and A. F. Holmes, Napanee, O., "Mailing Machine," 9th July, 1879.

No. 10,202. J. F. Bennett, Pittsburg, Penn., U. S. A., "Blast Furnace," 9th July, 1879.

No. 10,203. S. Dennis, Bagota, Columbia Dt., U. S. A., "Devices for Transmitting Motion," 9th July, 1879.

No. 10,204. S. A. Touse, Sutter Creek, Cal., U. S. A., "Piston Packing," 9th July, 1879.

No. 10,205. J. W. G. Whitney & B. Morton (Assignees of J. J. Lappin), "Self-Acting Car Coupler" (Extension of Patent No. 3,634), 9th July, 1879.

No. 10,206. D. J. Moore, Ganauoque, O., "Pole Holder for Fishing Poles," 9th July, 1879.

No. 10,207. R. M. Kennedy, Pittsburgh, Penn., U. S. A., "Combined Plaster and Pad," 9th July, 1879.

No. 10,208. M. Johnson, Lockport, N. Y., U. S. A., "Hand Truck," 9th July, 1879.

No. 10,209. J. Drynan, Ramsey, O., "Land Roller," 9th July, 1879.

No. 10,210. J. W. Holmes, Wheatville, N. Y., U. S. A., "Sun Dial or Solar Chronometers," 9th July, 1879.

No. 10,211. E. H. Ashcroft, Lynn, Mass., (Assignee of D. Sullivan, Bangor, Me., U. S. A.), "Compound Tubular Steam Boiler," 9th July, 1879.

No. 10,212. J. T. Clarkson T. G. W. Morrill, Amesburg, Mass., U. S. A., "Improved Pung and Sleigh," 9th July, 1879.

No. 10,213. W. E. Lindop & W. A. Cooper, St. Thomas, O., and B. F. Powelson & A. Mueller, Detroit, Mich., U. S. A. (Assignees of J. B. Obernatter, Munich, Bavaria, Germany), "Photo Mechanical Printing," 9th July, 1879.

No. 10,214. C. C. Bradley, Syracuse, New York, U. S. A., "Harvester Pitman," 9th July, 1879.

No. 10,215. J. P. Weyer, Elmira, N. Y., U. S. A., "Car Starter," 9th July, 1879.

No. 10,216. J. B. Yeagley, Indianapolis, Ind., U. S. A., "Sash Holder and Lock Combined," 9th July, 1879.

No. 10,217. J. Reynolds, Dayton, Ohio, U. S. A., "Improvement in Book Making," 9th July, 1879.

No. 10,218. E. Wiseman, Luton, England, "Straw Plait Sewing Machine," 9th July, 1879.

No. 10,219. A. Bartholomew, Wt. Springfield, Mass., U. S. A., "Broadcast Seed Sower," 9th July, 1879.

No. 10,220. J. A. Crone, Georgetown, O., "Grain Separator," 9th July, 1879.

No. 10,221. W. Morrison, Toronto, O., "Chemical Fire Engine," 9th July, 1879.

No. 10,222. E. Bowslaugh, Grimsby, O., "Window Blind," 9th July, 1879.

No. 10,223. A. P. Benjamin, Waterville, Me., U. S. A., "Horse Power," 11th July, 1879.

No. 10,224. J. Authors, Toronto, O., "Rotating Hook Sewing Machine," 11th July, 1879.

No. 10,225. D. S. Conner, Montreal, Q., (Assignee of S. F. Wasby, South Kensington, England), "Improved means of augmenting the volume of sound of Piano-Fortes, &c.," 11th July, 1879.