

CANADA.—Continued.

&c., called "The Compound Silicate Barrel Cement"—Otto Rotton, Kingston. The Union Cementing Process for cementing petroleum and other barrels, by forcing cement between barrels made double—Otto Rotton, Kingston. The Paraffin Barrel Cement, for rendering barrels impervious to alcohol, &c.—Otto Rotton, Kingston.

CHURNS.—An improved Churn—John Houston.—"Carter's Balance Churn." A machine for washing clothes, called "Brown's Vacuum and Wabber Washer and Churn"—Lester B. Brown, Simcoe. "Morningstar's Oscillating Reaction Churn"—Jesse Morningstar, Waterloo Village. A machine for working an ordinary Dash Churn—James Clark, Caledon Township. "The Dairy Queen Churn Motion"—Daniel Thomas Aikman, Dumfries Township. An improvement in Rotary Dash Churns, called "Center's Improved Churn"—Martin Centers, Longueuil Township. A Double Dash Churn—Horatio N. Fleming, Compton Township. An improved Washing and Churning Machine—Orlando Darwin Chase, Sutton Township.

DOMESTIC ARTICLES.—"The Prince of Wales Cooking Stove"—William J. Copp, Hamilton. "Higley's Mop Head"—Peter R. Higley, Oshawa. "Snider's Suspension Clothes Dryer"—Henry Snider, Sophiasburg Township. An improved Refrigerator—George R. Prowse, Montreal. An improvement in Tobacco-Cutters and Nut-Crackers—Richard Smith, Sherbrooke Town. A Universal Needle-Threader—George Wm. Anderson, Montreal. "The Cinderella Sifting Machine," for sifting and separating coal, ashes, &c.—Paul Ceredo, Montreal. A Portable Foot-Warmer—William Van Horn, Pittsburgh Township. An improvement in Brooms and Brushes—Thomas H. Powers, North Fredericksburgh Township. A Universal Loom-head—Joseph Nelson Potts, Port Dover. An appliance for securing doors against the weather, called "Israel Kinney's Weather Leaf"—Israel Kinney, Oakland Township. An art for the preservation of eggs, called "White's Novel Egg Preserving Art"—William White, Ottawa City. An improved Sounding Board for Pianos—John C. Fox, Kingston. "Mills' Beef-steak Mangler"—Minard Mills, Yarmouth Township. A Yarn Reel and Cloth-holder—Alexander Patterson, Gananouque. A Central Pipe and Damper for Dumb Stoves—Richard Hatch, Whitby. A Composition or Material for Building Purposes—William C. Macey, Richmond Hill Village. An improved Metallic Threshold and Outside-Door Attachment—Charles S. Beckham, Stanstead Plain Village. "The Mount Cashell Double Window"—the Right Hon. Stephen, Earl of Mount Cashell, County of Tipperary, Ireland. A Sash Fastener—Samuel Joseph Hopkins, Toronto. An improved Cider Mill—Hugh Sells, Vienna Village. A Fire Lighting Attachment—George Ferguson, Toronto. A safety can, called "Burette de Surete"—Aimé N. N. Aubin, Belœil Township.

DYEING AND TANNING.—Certain improvements in the manufacture of Vegetable Extracts for Tanning and Dyeing—Thomas Sterry Hunt, Montreal. A Compound to be used in connection with the Liquor of Hemlock Bark for Tanning Leather—Alfred Pilkie, Stratford. An Apparatus for manufacturing Dye, Saccharine Salts, or Extracts of Vegetable Substances—Thomas Steers, jr., Melbourne, L.C. "Miller's Concentrated Extract of Tan-bark"—James Miller, Upton, L.C. "The Eclectic Method of Tanning"—Charles Hale, Bobcaygeon Village.

FIREARMS AND FUSE.—A Gunlock to be applied to the Breech-loading Needle Gun: the Gun, with the addition of such-improved Lock, to be called "Mylius' Breech-loading Needle Gun"—Rudolf Mylius, Berlin. A Composition of Inflammable Substances for Igniting by Friction with an iron or steel needle, the powder in a cartridge, said compound to be called "Mylius' Primer"—Rudolf Mylius, Berlin. A Conical-headed Ball for firing from Rifled Guns and Ordnance—Samuel Hatt, Haycock, Ottawa. "John's Patent Waterproof Safety Fuse"—Francis John, Ascot Township.

FUEL.—A combination or combinations of Materials to produce a Venable Substance or Substances for use as Fuel—Alexander Kirkwood, Ottawa. A Machine for Pulping and Manufacturing Peat Fuel—James Hodges, Bulstrode Township. A Peat Manufacturer—William L. Thompson, Stanstead.

GAS.—An Apparatus for Carburetting Gas—Alfred Woodward, Montreal. An Apparatus for manufacturing Gas, Bone-black, Phosphorus, Ammonia, Pyrogenous Acid, Turpentine, Tar, and other useful Substances from refuse Animal and Vegetable Matters, called "The Economical Gas Works"—John Israel Ensley, Toronto. Certain improvements in Apparatus relating to the Increase of the Illuminating Powers of Gas—Edward Caulfield, Brockville. An Apparatus for Impregnating Illuminating Gas or Atmospheric Air with Hydro-carbon Vapor—Aimé N. N. Aubin, Belœil Parish.

LAMPS.—A certain improvement in Lamps—Anthony Neville, Ernestown Township. An improvement in Lamps—Anthony Neville, Ernest-town.

METERS.—An improved Double-Check Spirit Meter—Wm. Murphy, Paris. A Speed Regulator for Fluids—John Hutchings Cox and John Murphy, Montreal.

PAPER.—An invention for reducing Bamboo-Cane into Pulp for making Paper, Cordage, and Twine—Richard Fuller, Hamilton. A Chemical Process for the manufacture of Paper from Wood-shavings or Wood Sawdust—Alex. Kirkwood, Ottawa. "Stutt's Machine for preparing Wood for Paper Pulp"—James Stutt, York Township.

PETROLEUM.—Compound Petroleum Paint Oil—Alex. Gordon, Hamilton. An Apparatus for Distilling Petroleum, Alcohol, Turpentine, &c.—Samuel Stevens, Belleville. An Apparatus for Extracting Petroleum from Wells or Reservoirs by means of Hydraulic Pressure, called "Otto Rotton's Adjustable Tubing for Oil Wells"—Otto Rotton, Kingston. A new process for the preparation of Lubricating Oil from Crude, Rock, and Mineral Oils, for the Deodorizing of all Rock and Mineral Oils, and for rendering Refined Oils obtained from the same non-Explosive up to about 150° Fah., by the application of certain Chemicals, steam and heat—Abram Farewell, Oshawa.

PUMPS.—An improvement in Pumps—Wm. Amasa Field, St. Catharines. An improved Piston for a Pump—Ekens Hand, Cobourg. "Curtis' and Bamford's Lifting Pump"—William Curtis, Belleville. An improved Double-Acting Force Pump—Samuel Varney, Brompton Township. A Rod Coupling or Joint for securing and fastening together Wood or Iron Rods for Pumps, &c.—Charles Powell, York Township.

RAILWAYS.—An improved Railway Joint Chair—Henry Yates, Montreal. An improved Automatic Safety-car Coupling—Andrew B. Taft, Montreal. A Main-line and Siding Protecting Switch—Robert Pope, Newcastle Village. Improvements in the construction of Railway Freight Cars—Richd. Eaton, Montreal. A Railway Rail-joint and Expansion and Contraction Movement—Edmund P. Hannaford, Montreal. An Easy Railroad Track—Hugh Baines, Montreal. A Railway Switch—Thomas Fogg, Montreal. An improved Split Railroad Spike—Lancelot Kirkup, Montreal. An Apparatus for Coupling Rail Cars, called "The Universal Self-Coupler"—George C. Fraser, Pickering Township. A car Coupling Life Saver—Nicholas Hiltmayer and George Morrison, Omemeé Village. A Triple-Faced Rail for Railways, together with Chairs and Keys for said Rail—Henry W. Ostrum,