

- 43.915 Wm Wins Clay, Paris, Ont., knitting machine
 43.916 G. Edmund Donisthrope, Eng., machine or apparatus for breaking, scutching and decorticating flax, rhea (China grass), and similar fibres.
 43.917 James M. McFarland, Virginia, Nevada, faucet.
 43.918 Orrin Burton Peck, Chicago, centrifugal ore separator.
 43.919 John J. Murphy, Toronto, ticket box.
 43.923 David Caird, London, Eng., manufacture of metal barrel and other like vessels.
 43.925 Stephens Henry Emmens, London, Eng., utilising water power for heating and smelting.
 43.926 August Niewvenhys, Brussels, Belgium, dioptric appliance for lamp
 43.929 Wm Peter Bettendorf, Iowa, metallic wagon frame.
 43.932 Carl Heinemann, Hammond, Indiana, device for suspending scaffolding.
 43.933 Martin Ziegler, Nachterstedt, Prussia, manufacture of coke.
 43.937 Orton C. Little, Menaska, Wisconsin, separable collar and pulley.
 43.938 Wm. Mathieson, Toronto, dating stamp.
 43.939 John J. Magee, London, Ont., expansion drum.
 43.940 Fessender C. Butterfield, Minneapolis, Minn., furnace for treating refractory ore.
 43.941 Wm. Baxter Malcolm, Toronto, earthenware water tank.
 43.942 Charles Maria Pielsticker, Harlesdon, London, Eng., extraction of gold and silver ore.
 43.946 Asa Bruce Frame, Boyden, Iowa, water wheel.
 43.948 George A. Peters, Toronto, process for forming mould.
 43.949 John E. Leathers, Peterboro, N.H., nails and staples.
 43.950 August A. L'Engelbach, Leadville, Colorado, apparatus for reducing and smelting sulphide ore.
 43.951 Martin Wamer, Muncie, Indiana, process for the reduction of sulphide ore in the manufacture of carbon bisulphide.
 43.953 August F. Wilhelm Kreinson, Otlenson, Prussia, process for melting by electricity.
 43.954 Thomas Duncan, Fort Wayne, Indiana, electricity meter for alternating, pulsating, intermittent and polyphase currents.
 43.955 Lewis C. Butler, West Bay City, Michigan, desk attachment for telephone.
 43.958 Farnham Maxwell, London, Eng., the production of chlorine conjointly with the purification of lead and the recovery of silver.
 43.959 Frank Rodgers Hoyt, Watkins, N.Y., photographic shutters.
 43.961 James Cook, Paris, Ont., bobbin fastener.
 43.962 Thomas Leopold Willson, Leaksville, N. Carolina, the electric reduction of refractory metallic compounds.
 43.963 Carl Kellner, Vienna, Austria, the process of preparation of cellulose for the manufacture of spun fabrics.

AMERICAN PATENTS.

The following is a list of patents recently granted in the United States to Canadians. This list is specially furnished to THE CANADIAN ENGINEER by H. B. Willson & Co., Washington :

- Horace H. Bailey, Ottawa, Ont., apparatus for feeding hydrocarbon into stoves, furnaces, etc., No. 505,871.
 James Canan, Owen Sound, Ont., dredger, No. 505,974.
 John P. Collins, Yarmouth, N.S., thread-breaking device for spinning or twisting frames, No. 505,159.
 Joseph Drader, London, Ont., vehicle pole, No. 505,820.
 John T. Dwyer, Montreal, Que., internal stay for trunks, boxes, etc., No. 505,939.
 David S. Henderson, Brantford, Ont., machine for sharpening clippers, No. 505,899.
 James H. Paterson, Ingersoll, Ont., screw-cutting lathe, No. 506,068.
 Mungo Turnbull, Toronto, Ont., dynamically arranged celestial sphere, No. 506,084.
 Thomas H. Allen, Toronto, Ont., railway brake, No. 506,298.
 Christian H. Dorenwend, Toronto, Ont., telephone attachment, No. 506,646.
 The Goodyear Shoe Machinery Co., of Canada, assignee, sole channeling machine, No. 506,630.
 Edwin Hill, Toronto, Ont., setting and holding plate glass for beveling, No. 506,401.
 Hamilton A. Jukes, Winnipeg, Man., dry closet, No. 11,373.
 George S. Karr, Toronto, Ont., saddle for velocipedes, No. 506,510.
 Malcolm E. Robb, Knowlton, Que., vehicle spring, No. 506,546.
 Alfred E. Ahrens, Stratford, Ont., securing dental suction valves to plates, No. 506,762.

- J. S. Corbin, Prescott, Ont., hardening harrow disks, No. 506,671.
 Walter Greaves, Ottawa, Ont., fishing basket, No. 506,909.
 Saul Laporte, Ottawa, Ont., dial fastening for watches, No. 506,824.
 John D. McEachren, Galt, Ont., steam boiler cleaner, No. 507,030.
 Samuel Murray and C. Epps, St. George, Ont., lard or butter cutter, No. 507,028.
 Asa Mutchenbacker, Rosseau Falls, Ont., boom chain, No. 506,790.
 Alfred J. Saunders, Port Arthur, Ont., bed for mortising machines, No. 506,945.
 John H. Smale, St. Thomas, Ont., wagon bolster spring, No. 506,887.
 Herman H. Brown, Montreal, Que., insulated wire, No. 507,257.
 Cyrus S. Dean, Fort Erie, Ont., boiler flue cleaner, No. 507,421.
 Thomas Fane and C. F. Lavender, Toronto, Ont., velocipede, No. 507,114.
 Francis J. Freese, Montreal, Que., shoe sewing machine, No. 507,267.
 Edwin Hill, Toronto, Ont., machine for beveling plate glass, No. 507,127.
 Hamilton A. Jukes, Winnipeg, Man., water closet, No. 507,273.
 Robert H. Laird, Toronto, Ont., process of and apparatus for deodorizing and refining crude oil, No. 507,230.
 John McKnight, Fredericton, N.B., plane guide, No. 507,378.

GERMAN PATENTS.

The following list of German patents is supplied exclusively to THE CANADIAN ENGINEER by Brockhues & Cie., patent solicitors, of Cologne (Germany) :

- Class 6—Process for cooling or ventilating wort : C. A. Neubecker.
 " 13—Water alarm for steam boilers ; C. P. Heinrich Ochwaldt.
 " 13—Steam-generator, consisting of a fore-boiler and a tubular-boiler ; Wilhelm Schmidt.
 " 15—Pneumatic sheet feed apparatus ; Klein & Yorwerk.
 " 20—Coupling of driving axles which can be placed radially to the curve in the line ; Emil Neuhaus.
 " 20—Side-coupling for railway vehicles ; L. Bottcher.
 " 23—Paste for impregnating leather belts ; Bros. Klinge.
 " 34—Apparatus for lifting curtain poles off their hooks ; Julius Prehn.
 " 49—Process for manufacturing chains from a profile rod ; Ernst Hammesfahr.
 " 82—Roasting and drying apparatus ; Georg Wilhelm Barth.
 " 86—Apparatus for designing for fancy weaving ; Gutton.
 " 86—Gauze chain regulator for looms for the manufacture of fancy double-plush ; Priestly.

BROCKHUES & CO., COLOGNE, Germany
 PATENT AGENTS FOR OBTAINING AND UTILIZING
PATENTS in Germany and Abroad.
INTERNATIONAL TECHNICAL OFFICES
 REFERENCE: AMERICAN CONSULATE, COLOGNE

J. COURSOLLE & CO. Established 1877
 SOLICITORS OF **PATENTS**
 International Patent Agency . . **OTTAWA, Can.**

PATENTS procured for Canada, United States, Great Britain, etc.
Fetherstonhaugh & Co., Patent Barristers, Solicitors and Experts, Bank of Commerce Building, King Street West, Toronto.

RIDOUT & MAYBEE **PATENTS**
 Solicitors of Home and Foreign
 Special attention to Patent Litigation.
 J. G. RIDOUT (late C.E.), Barrister, Solicitor, etc.
 J. EDW. MAYBEE, Mechanical Engineer. 103 Bay St., Toronto

SOLICITOR OF PATENTS
J. A. GRENIER, C.E. Imperial Bldg., Room 83, Montreal
 Patents, Trade Marks, Industrial Designs, Caveats, etc., for Canada, United States, and all foreign countries.
 Hydraulic Engineering a specialty. Send for book of Instructions to Inventors