

In The Automobile World

NEWEST NOTES OF SCIENCE

Scientists have counted 276 spoken languages and dialects in Africa. Electrically operated hair clippers have been invented for save barbers' time. European chemists have developed a method for distilling alcohol from chicory roots. A rubber heel has been invented that can be slipped over the high heel of a woman's shoe. About 16,000 New Zealand farmers keep bees, their apiaries being subject to government inspection. A novel revolving tooth brush is driven by a water motor that can be connected to almost any faucet. Glass paving blocks, used in an experimental way in a French city street, lasted less than two years. Fabric slippers, to be worn over shoes for polishing floors, have been patented by a Mississippi woman. Japanese naval constructors have built a cantilever crane that can lift 200 tons 105 feet from its centre. More durable than the usual canvas awning is a new one made of metal that folds very compactly when hoisted. Experts in China are investigating the possibility of using bamboo pulp in the manufacture of paper napkins. A roller conveyor has been designed especially for moving bricks quickly about a building under construction. After many tests under government supervision in Germany salt has been found the best preservative for butter. For making up pay rolls a machine has been invented that drops into envelopes coins for which keys are pressed. An Englishman has invented an alarm clock that awakens deaf persons by administering light blows with a paddle. Nearly all artificial gems are compounds of alum and coloring substances crystallized under special conditions. A sun shade that can be adjusted to any angle on its handle has been invented by an Englishman for automobiles. Safety features a new electric switch in which the fuses cannot be touched without first shutting off the current. European rivers are estimated to be

capable of supplying 46,000,000 horse power, those of Russia alone, 12,000,000. For crushing the shells of crabs and lobsters peculiarly formed pincers with handle-like shears have been patented. Italy requires makers of cheeses containing oleomargarine to paint them red on the outside and to properly label them. Flour made from the kernel of the cotton seed after the oil has been extracted has been found to have much food value. English makers are experimenting with the manufacture of paper from wattle bark that already has been used for tanning. A handle appears on one side of a new salt shaker that is said to distribute its contents more evenly than the usual type. A Paris scientist has succeeded in making crystals of sodium nitrate so pure that they can be used in optical instruments. Vines imported from the United States seem to be the only ones to resist severe mildew in the vineyards of Western France. Machines have been built in England for making briquets from brass or cast iron borings at a speed up to four tons an hour. An automatic valve has been invented that sounds a whistle when an automobile tire contains either too much or too little air. It has been found that a nut growing in Brazil that is allied to the nutmeg yields an oil of much value in the manufacture of soap. Along list of advantages are claimed for a new front drive automobile in which the driving mechanism is mounted beneath the hood. A locomotive sand box from which a stream of water carries the sand to the rails with a minimum of waste has been invented by a Frenchman. When struck, a new bumper to stop automobiles on bridges first rolls two feet, then slides and finally rises, retarding a car without a shock. By pumping films of air between the hulls of vessels and the water British engineers hope to save steam craft 12 per cent of the fuel consumption. To protect automobile tires from the sun when a car is standing shades operated on spring rollers, to be mounted beneath fenders, have been invented. A new French static electrical machine of high power uses an ebonite cylinder, which can be warmed in

damp weather, instead of the customary brass disk. To hold a skein of yarn while it is being wound into a ball is the purpose of a revolving wire frame that can be clamped to a chair or other piece of furniture. English scientists are conducting a series of experiments to ascertain how best crop production can be increased with the use of high frequency electric currents. As a Denver inventor's machine is passed over a road the earth is loosened, pulverized, distributed evenly at any desired angle, and packed smoothly with a roller. To protect a Swiss railroad from avalanches, snow retarding walls have been built on a mountain side at points from which the slides start to hold the snow until it melts. A new automobile spring lubricator resembles a hatchet, grease being contained in the handle and passing through the blade as it is inserted between the leaves of a spring. To lessen the humming of telephone wires when fastened to buildings a system invented in Europe encloses them in cement cylinders that are softer on the inside than the outside. For tourists there has been invented a clothing closet mounted on a wire frame which can be folded and carried in a trunk, being extended and hung on a nail when a hotel room is reached. After experimenting for several years Swedish railroad officials have decided that peat powder is an efficient and practical fuel for locomotives with a value about two-thirds that of coal. To facilitate rapid writing there has been invented a metal device to be clamped to the little finger and with a shelf on which to rest the next finger and slide over a surface written upon. Because locusts are rich in nitrogen and phosphoric acid the government of Uruguay has appointed a commission to ascertain if the insects cannot be utilized in fertilizers, soap and lubricants. To enable a rifleman to see where his bullets go an Ohio inventor has designed a target which, when hit, extinguishes lights in front of it and shows a light from the back through the bullet hole. Rubber tree tapping by a series of small borers set in a circle, the invention of an English expert in the Belgian Congo, has proven a more pro-

ductive method than the customary vertical incision system. For detecting leaks in underground water pipes an instrument has been invented consisting chiefly of a rod to be thrust into the ground to pick up the sound and a telephone receiver with which it can be heard. For determining the character of the bottoms of inland waterways sounding pads containing microphones have been invented, mud bottoms producing dull noises on vessels using the devices and stony bottoms a series of taps. A patent has been granted for a woman's ready made dress with a protective lining that is removed when the garment is sold, safeguarding the purchaser from possible infection from persons who may have tried it on in stores. MY MOTOR CREED Slow or stop on entering the main auto highway. A signal for every move to warn the man behind. My downcast lights shall never dazzle any man or put him or me in peril. If any car comes facing with blinding lights, slow down and warn of danger with hand or horn. He deserves worse. Use the horn on the sharp curves, even if the cocksure person in the other car doesn't. Help the perplexed in trouble. Carry equipment on tour to get myself out of any ordinary difficulty. Respect especially those signs which say "PLEASE drive slow through our town." Give heed to the automobile speed rules of the little places, even if they can't afford a cycle cop. Swear at the detours. Have a smile ready for the traffic cop. Let the twin sixes go by when they hoot, and do it without fighting, for the speed honor's with them. S no use. Give every car, big or little, its half of the roadbed. Insist on staying on the road myself. And— SOME day I shall put an armored wheel on my left front, and then I'll BUMP some of these road hogs. Won't that surprise 'em?

The Market Reports

LIVE STOCK MARKETS

Toronto, Oct. 26.—Heavy steers \$10.50 to \$10.75; choice butcher \$9.75 to \$10.25; do good medium \$8.75 to \$9.30; do common \$8.50 to \$8.75; heifers, good to choice \$8.50 to \$10.00; butcher cows, choice \$8 to \$10.60; do medium \$7 to \$7.50; do good \$7.50 to \$7.75; do medium \$7 to \$7.75; feeders, 600 to 1,000 lbs., \$8.50 to \$9.25; stockers, 700 to 800 lbs., \$7.25 to \$8.50; do med., 650 to 750 lbs., \$6 to \$6.50; do light, 600 to 650 lbs., \$6.25 to \$6.75; sheep light \$11 to \$13; do yearlings \$10 to \$11; canners \$5 to \$6.50; cutters \$4 to \$4.25; lambs \$15 to \$15.50; do heavy \$4 to \$4.50; calves \$8 to \$15.50; hogs, fed and watered \$17; do off cars \$17.25. Montreal, Oct. 26.—Butcher's cattle, choice \$9.75 to \$10; do medium \$9 to \$9.50; do common \$8 to \$8.25; canners \$6.25 to \$6.75; butchers' hogs \$6.75 to \$8.25; milkers, choice, each \$110 to \$120; do com. and med., each \$90 to \$100; springers \$75 to \$85; sheep, ewes \$10 to \$10.50; butts and culls \$9 to \$9.50; lambs \$14.50 to \$16; hogs, off cars \$17.25 to \$17.75; calves \$8 to \$15. Buffalo, N.Y., Oct. 26.—Cattle—Prime steers, \$14 to \$15; shipping steers, \$11.50 to \$13; butchers, \$9.50 to \$11; yearlings, \$12.50 to \$13.50; hogs, \$6.75 to \$10.25; cows, \$4.75 to \$8.50; butts, \$9 to \$9.50; stockers and feeders, \$6.50 to \$9.25; fresh cows and springers active, \$9 to \$12.50. Veals \$7 to \$15.50. Hogs—Heavy, \$16.50 to \$16.75; mixed, \$16 to \$16.35; yorkers, \$16 to \$16.10; light yorkers and pigs, \$14 to \$14.50; roughs, \$15 to \$15.25; stags, \$13 to \$14.50. Sheep and lambs—Lambs, \$12 to \$17.50; others unchanged. Chicago, Oct. 26.—Cattle—Beeves, \$6.75 to \$17; western steers, \$5.90 to \$13.65; stockers and feeders, \$6 to \$11.40; cows and heifers, \$4.75 to \$11.75; calves, \$9 to \$16. Hogs—Light, \$14.50 to \$16.35; mixed, \$14.90 to \$16.75; heavy, \$14.80 to \$16.70; rough, \$14.80 to \$15; pigs, \$10.50 to \$14.25; bulk of sales, \$15 to \$16.35. Sheep—Wethers, \$8.80 to \$12.75; lambs, native \$12.65 to \$17.75. GRAIN QUOTATIONS. Toronto, Oct. 26.—Manitoba wheat—No. 1 northern, \$2.22 1/2; No. 2 northern, \$2.20 1/2; store; No. 3, \$2.17 1/2; No. 4, \$2.09 1/2, including 2 1/2-cent tax, in store Fort William. Manitoba oats—No. 2, 67 1/2c; No. 3, 64 1/2c; extra No. 4, feed, 64 1/2c; No. 1 feed, 62 1/2c, in store, Fort William. Ontario oats—No. 2 white, 63c to 64c; nominal; No. 3 white, 62c to 63c; nominal. Barley—New, \$1.16 to \$1.18. Ontario wheat—Winter, according to sample, in bags, prompt shipment,

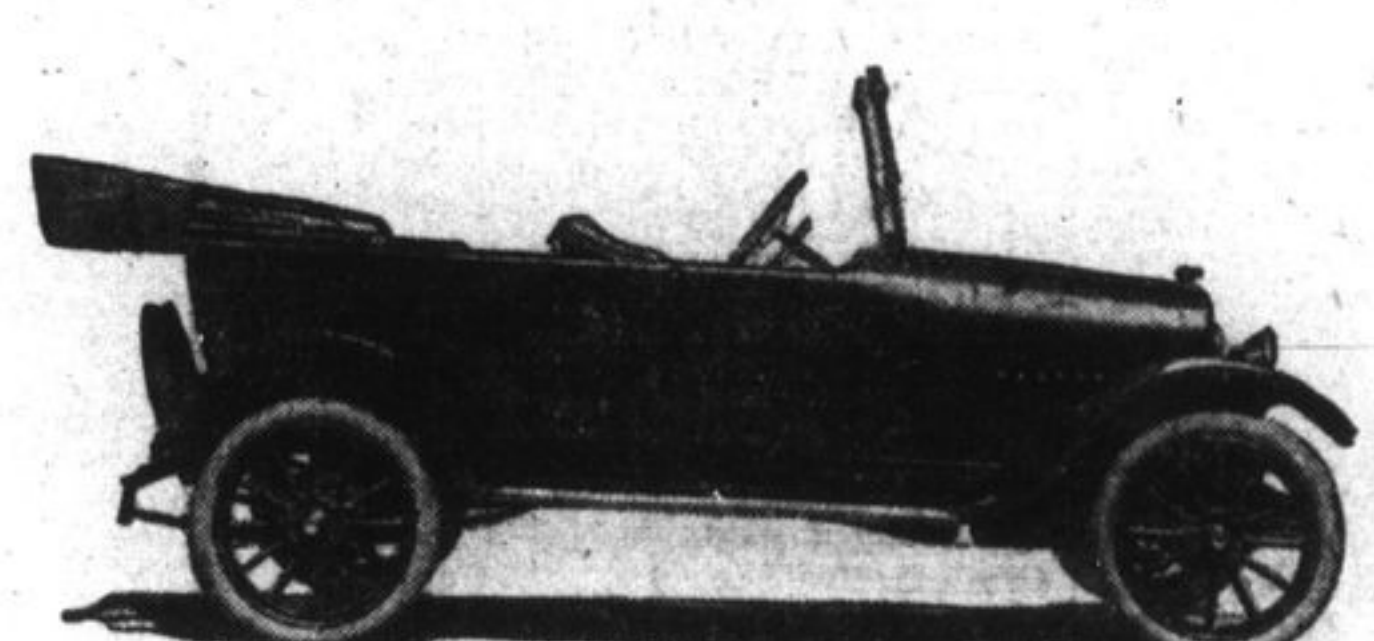
\$9.80 Montreal, \$9.60, Toronto. Millfeed—Car lots, delivered, Montreal, \$9.60 Toronto. Millfeed—Car lots, delivered, Montreal; shorts, \$42, bran, \$35; feed flour, per bag, \$3.25; middlings, \$4 1/2 to \$4 1/2. Hay—Baled, truck Toronto, car lots, No. 1, \$12 to \$13; No. 2, \$11 to \$11.50; mixed, \$9 to \$11; straw, car lot, per ton, \$7 to \$7.50. Winnipeg, Oct. 26.—What—No. 1 northern, \$2.21; No. 2, do, \$2.18; No. 3, do, \$2.15; No. 4, \$2.07; No. 5, \$1.94; No. 6, \$1.87; feed, \$1.80. Oats—2 C.W., 67 1/2c; No. 3 do, 64 1/2c; extra No. 1 feed, 64 1/2c; No. 1 feed, 62 1/2c; No. 2, do, 62 1/2c; extra No. 2, \$1.20 1/2; No. 4, \$1.15 1/2; rejected and feed, \$1.10 1/2; No. 4, \$1.15 1/2; rejected and feed, \$1.10 1/2. Flax 1 N.W.C., \$2.97 No. 2 C.W., \$2.94; No. 3, do, \$2.83. Chicago, Oct. 26.—Corn, No. yellow, \$1.99 to \$2.00; No. 3 yellow, \$1.98 to \$1.99; No. 4 yellow, nominal; Oats—No. 3 white, 60 to 60 1/2c; standard, 60 1/2 to 61c. Rye No. 2, \$1.81 to \$1.82. Barley, \$1.15 to \$1.37. Timothy, \$6.00 to \$6.50. Clover, \$18.00 to \$24.00. Montreal, Oct. 26.—Corn—American No. 2 yellow, \$1.25; Oats—Canadian western, No. 2, 78 1/2c; do, No. 3, 75 1/2c; extra No. 1 feed, 75 1/2c; No. 2 local white, 72c; No. 3 local white, 71c. Barley—Man, feed, \$1.26; malting, \$1.31. Flour—Man, Spring wheat patents, flris, \$11.60; second, \$11.10; strong bakers', \$10.90; winter patents, choice, \$11.25; straight rollers, \$10.70 to \$11.00; do, bags, \$5.30 to \$5.35. Rolled oats barrels, \$8.30 to \$8.40; do, bags, 90 lbs., \$4.00 to \$4.10. Bran, \$35. Shorts, \$40 to \$42. Middlings, \$48 to \$50. Moullie, \$55 to \$60. Hay, No. 2, per ton car lots, \$12.00 to \$12.50. Minneapolis, Oct. 23.—Corn, No. 3 yellow, \$1.93 to \$1.94. Oats, No. 3 white, 68 to 69 1/2c; Flax, \$13.12. Flour unchanged. Bran, \$30.00 to \$30.50. Duluth, Oct. 26.—Linseed, \$3.11 to \$3.14; arrive, \$3.12; October, \$3.11 bid. November, \$3.11 bid; December, \$3.06 1/4 bid; May, \$3.06 bid. New York, Oct. 26.—Flour dull; spring patents, \$10.80 to \$11.45; winter patents, \$10.65 to \$11.90; winter straight, \$10.15 to \$11.40; Kansas straight, \$11.15 to \$11.40. Rye flour steady; fair to good, \$9.50 to \$9.80; choice to fancy, \$9.50 to \$10.25. Hay steady; No. 1, \$1.15; No. 2, \$1.15 to \$1.50; No. 3, \$1.00 to \$1.05; shipping, 90 to 95c. Hops quiet; state, medium to choice, 1917, 78 to 85c; 1916, nominal; Pacific coast, 1917, 25 to 38c; 1916, 20 to 35c. GENERAL RADE. Butter. Belleville, 58c to 52c per lb.; Brantford, Hamilton and Peterboro, 48c to 50c; Cobourg, 45c to 47c; Chatham and Woodstock, 45c to 47c; Guelph, 45c to 47c; Kitchener, 45c; London, 45c to 48c; Owen Sound, 48c to 42c; Port Hope, 45c; St. Thomas, 46 to 48c; Stratford 47c to 48c per lb. Eggs. Belleville 50c per doz.; Brantford, Chatham and Stratford, 48c to 50c; Cobourg, 45c; Guelph, 45c to 50c; Hamilton, 60c; Kitchener, 47c to

48c; London, 47c; Owen Sound, 40c to 43c; Peterboro and Port Hope, 45c; St. Thomas, 45c to 48c; and Wood stock, 40c to 47c per doz. Chickens. Belleville, Brantford, Guelph, Hamilton, London, 25c to 30c per lb.; Cobourg, 28c; Chatham, 30c; Kitchener, 30c to 32c; Owen Sound, 20c to 25c; Peterboro, Port Hope and Woodstock, 25c; and Stratford, 25c to 30c per lb. Potatoes. Belleville, \$1.50 per bus.; Brantford, \$1.65 to \$1.75; Cobourg, \$2; Peterboro, \$1; Chatham and London, \$2; Guelph, \$1.35 to \$1.40; Hamilton, \$1.60 to \$1.70; Kitchener, \$1.30; Owen Sound, 90c to \$1; Peterboro, \$1.25; St. Thomas, \$1.30 to \$1.60; Stratford, \$1.25, Woodstock, \$1.50 per bushel. Wheat. Belleville, \$2 to \$2.05 per bus.; Brantford, Kitchener, Port Hope and Stratford, \$2.10; Cobourg, \$2.10 to \$2.15; Chatham and St. Thomas, \$2.07; Guelph, \$2; Hamilton, \$2.20; London and Woodstock, \$2.12; Owen Sound, \$2.05 to \$2.10; Peterboro, \$2.15 per bushel. Coarse Grain at Local Points. Belleville and Port Hope, \$1.10; Brantford, \$1 to \$1.20; Cobourg, \$1.15; Chatham, \$1 to \$1.15; Guelph and Kitchener, \$1.00; Hamilton, \$1.15 to \$1.30; Owen Sound, \$1.12 to \$1.15; Peterboro, \$1.25; St. Thomas, \$1.50 to \$1.60; Stratford, \$1.20 to \$1.30 per bushel. Oats. Belleville, 62c to 65c; Brantford, 60c to 70c; Cobourg, 65c to 67c; Chatham, 50c; Guelph, Peterboro and Port Hope, 60c; Hamilton, 70c to 74c; Kitchener, 65c; London, 61c; Owen Sound, 68c to 69c; St. Thomas, 50c to 60c; Stratford and Woodstock, 55c per bushel. Hay. Belleville, baled, \$10.50 per ton, loose, \$10 to \$12; Brantford, baled, \$10, loose, \$10; Cobourg, baled and loose, \$10; Chatham, loose, \$14 to \$15; Guelph, baled, \$12 to \$13; loose, \$11 to 12; Hamilton, baled and loose, \$10 to \$13; Kitchener, baled, \$12 to \$12.50, loose, \$9 to 10; London, loose, \$10 to \$12; Owen Sound, baled, \$12 to \$12.50, loose, \$9.50 to \$10; Peterboro, baled, \$15, loose, \$12 to \$14; Port Hope, loose, \$11; St. Thomas, loose, \$12 to \$14; Stratford, baled, \$8 to \$9; Woodstock, baled, \$15 to \$16; loose, \$12. The Kingston Market. Kingston, Oct. 27. Dairy Products. Butter, creamery, lb 49 50 Butter, rolls, lb 47 48 Cheese, lb 49 50 Eggs, fresh, doz 55 55 Fish. Cod, lb 10 12 1/2 Eels, lb 12 13 1/2 Flounders, lb 12 13 1/2 Haddock, lb 12 13 1/2 Hake, lb 12 13 1/2 Haddock, fresh, lb 12 13 1/2 Halibut, fresh, lb 39 40 Kippers, doz 60 62 Perch, lb 12 13 1/2 Pike, lb 12 13 1/2 Rock-fish, lb 13 14 Salmon, lb 25 30 Tilapia, lb 12 13 1/2 Trout, salmon, lb 18 20

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Touring Car \$1045 Roadster \$1045; Coupe \$1540; Berlin \$1540; Sedan \$1640. All prices f. o. b. Windsor

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GRANBY'S ANNUAL REPORT. Gross Income Over Twelve Million Dollars. New York, Oct. 25.—The annual meeting of the Granby Consolidated Mining, Smelting and Power Company, Limited, was held here at the meeting of stockholders on a regular five per cent per annum basis. Canadian failures for the first nine months of 1917 totalled \$46, according to R. G. Dun & Co., with total assets of \$9,741,57 and total liabilities of \$13,741,191. In all human probability Nova Scotia Steel will distribute \$5 per share a year regularly on its common. The Maple Leaf Milling Company directors declared a dividend of 2 1/2 per cent on the common stock plus 1 1/2 per cent bonus; also a dividend on the preferred stock of 1 3/4 per cent. The Atlas Glass Plant, Montreal, or later known as the Premier Glass, which has been in the market for some years, has been acquired by a company which will be known as the Consumers' Glass Company, composed of well-known local capitalists. Hand picking of the eggs and the adult insects is one of the most effective methods thus far devised to control squash bugs. Spraying with nicotine sulphate in some cases reduces the damage considerably. Have you running water in your home, or is your water always running to the well or spring for it?

THE STANDARD BANK OF CANADA. HEAD OFFICE - TORONTO. U. S. Steel Dividends. New York, Oct. 26.—The directors of the United States Steel Corporation will meet Tuesday and it is expected that no change will be made in dividends. The corporation will show a surplus available for the common of close to \$50 a share this year, and it can well afford to pay annually on that issue. The calculations are made after war tax deductions.

Pulp Stock Dividend. Toronto, Oct. 26.—The Riondon Pulp and Paper management announces the declaration of a dividend of 10 per cent. by the Ticonderoga, New York, which that company controls. It is payable December 1st to shareholders of record on November 30th. This dividend, which will enrich the treasury of the controlling company, is the second at the same rate declared by Ticonderoga this year, a total of 20 per cent. The previous 10 per cent was paid on June 15th. This profitable subsidiary was obtained by Riondon in November, 1916.

Commercial Notes. Net profits of the Russell Motor Car Company for the year ending July 31st, 1917, amounted to \$648,590. R. S. McLaughlin, president of the McLaughlin Motor Company, Limited, Ottawa, recently elected a di-

THE KINGSTON BRANCH. J. F. ROWLAND, Manager.