

PLUG AND CUT TOBACCO

Try the new four. They are giving us satisfaction. Pays the retailer a handsome profit.

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Manitoba, N. W. T. and B. C.—Winnipeg Office, 467 Main Street.
CHARLES E. KERRY, Sec.-Treasurer. DANIEL McDONALD, Manager.
HENRY WORSELEY, City Agent.

Brandon Office F. W. GILL, Cashier.

Adding fine sulphur to the dissolved material, then heating, preferably with pressure, is found by Hider Kistner, to remove the double resistance of sulphur as an insulator for electric fires. Flexibility varies with the percentage of sulphur, and resistance to cold and moisture is increased.

In electric grape culture, M. J. Fuchs, of the "Place" in a field of 1 1/2 acres, has made, each having a special accumulator for collecting atmospheric electricity. The accumulators are connected by wires with each other and with a network a foot and a half underground, and a short wire runs from the plant to each plant. Not only are the vines improved in yield and quality, but they are free from phylloxera.

The improved blowpipe of M. Fouché is only pure oxygen and acetylene in the proportions of 13 volumes of the gas to 1 volume of the latter, and gives much higher temperature than acetylene with a mixture of other gases. The mixture used is equivalent to that of about 33 feet of water, and backfiring is prevented by the speed of 200 to 400 feet a second, which the gases issue from the jet. In the hot, greenish cone at the centre of the flame, iron and steel are easily melted, and siliceous, lime, alumina and magnesia are readily fused. For a luminous flame the oxygen is reduced.

After of yang-yang, which rivals the star of roses as an exquisite perfume and sells at \$40 to \$50 or more a pound, is the product of an Asiatic tree that grows in the highest development in the Philippine Islands. The tree grows to a height of 50 feet when three years old begins, bearing long greenish-yellow flowers, and at the age of eight may produce nearly 500 pounds of these flowers, blossoming every month.

The perfume is obtained by simple distillation of the choicest petals with water, no chemicals used. Besides its value as a perfume for hair and toilet waters, the perfume is prized among the natives as a medicine, being credited with curing toothache and numerous other ailments.

Some multi-millionaire may put a little surplus capital to worse use than providing an institution for evolving, selection and training, an intellectual race of dogs. Lord Avebury has shown the possibility of teaching dogs to read to a certain extent. He has taught his black poodle, to express his thanks by choosing cards printed "Out," "In," "Home," and "Water," from cards bearing other words, and has taken pains to ensure that the cards shall not be selected by position or by any peculiar scent. The dog's education consisted in teaching the difference between a card after about ten days the correct card invariably chosen. It was more difficult to make the animal distinguish between words. Several words were chosen last, however, and Lord Avebury asked to go to walk he joyfully brought the "Out" card.

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