

## IN OUR Clothing Department

We offer for the present season  
an immense stock to select from

Our Children's Suits at \$1.95,  
\$2.50 and \$2.75 are very special

Youths' Suits \$3.25, \$3.75, \$4.50  
and \$5.00 are worth 1-3 more

Men's Suits at \$7.50, \$9.00,  
\$10.50 and \$12.00

We have had a big sale for them

## PETER FARRELL & COMPANY

### DON'T FORGET

to see our Refrigerators before getting yours, we have them "all  
sizes and prices are reasonable. No trouble to show them

Hardware of all kinds. Prompt Delivery.

Opp. Post Office **LAWLOR & CAIN** Phone 264-11  
Phone 264-11 Opp. Post Office

### - - COLUMBIA BATTERIES - -

We sell this Celebrated Dry Cell which is the Best Made  
Buy from us and you get New Goods

**Wm. C. Burtt - F'ton. N. B.**  
New and Second-Hand Wheels

### BURPEE'S SEEDS GROW!

My stock of Burpee's for 1912 has arrived. Now is the time  
to buy Tomato and other seeds for starting indoors. Mail orders  
promptly attended to.

For Sale only by

**R. T. MACK** Chemist and Druggist  
386 Queen St. Fredericton, N.B.

Fine Jamaica Oranges 18c per doz; California Sunkist Oranges  
30, 35 and 50c; New Prunes 12, 15 and 17c a lb.

B. & B. Boston Coffee has no superior. Try a pound and be a  
regular customer.

## PARENT, BIRD & CO.

QUEEN AND YORK STREETS.

### Maypole Straw Hat Polish

Gives the old hat a most fashionable color

Only 10 Cents a bottle

CENTRAL PHARMACY - **ARTHUR J. RYAN**

## WOOL WANTED! IN EXCHANGE

18c - - - unwashed  
25c - - - washed

**ANDERSON & WALKER**  
MERCHANT TAILORS

## THE COLLEGE AND INDUSTRIAL EDUCATION

(Continued from page three.)

true for each individual mind as for his own. The classification of facts the recognition of sequence and relative significance is the function of science and the habit of forming a judgment upon these facts unbiassed by personal feeling is characteristic of what may be termed the scientific frame of mind. The scientific methods of examining facts is not peculiar to one class of phenomena and to one class of workers; it is applicable to social as well as to physical problems and we must carefully guard ourselves against supposing that the scientific frame of mind is a peculiarity of the professional scientist. Personally, I have no recollection of at least ninety per cent. of the facts that were taught to me at school, but the notion of method which I derived from my instructor in Greek Grammar (the contents of which I have long forgotten) remain in my mind as the really valuable part of my school equipment for life."

### EDUCATION AND UTILITY

While this statement of the fundamental aim of education is almost universally accepted by teachers, the implication that training in the art of a trade or profession is not of a scientific character and therefore should not be paid for by the state, may be contested on either of two grounds. In the first place in a professional medical or engineering course, the subject matter differs not greatly from that of a course in pure science. True indeed, when a teacher has his mind fixed on the practice of the profession he is likely to become dogmatic and so neglect the educational opportunity. Thus Lowell's definition of a university as "a place where nothing useful is taught" is not to be taken as a reproach but rather in the sense that where immediate utility begins, education generally ends. That this defect is inherent in technical instruction is not at all certain, though the happy combination of education and utility is rare enough to justify doubt of its existence. In the second place, whether instruction in the practice of a trade or profession should be provided by the state will depend on what advantage will be gained therefrom by the state as a whole. It may be advantageous to provide, at public expense, instruction of a frankly vocational character, though to make this a substitute for real education would be the height of folly. This would seem to be a reasonable view—to train the mind to think scientifically is the primary and necessary function of education, to store the mind with technical knowledge is a secondary though perhaps necessary function. We can utilize the energy of Grand Falls only by the application of mechanical equipment, it may be that we can best utilize trained intellects by suitable technical direction.

### BOYLE'S IDEA

A very quaint expression of this idea was given by an eminent chemist, Robert Boyle, about the year 1661, in an essay entitled "That the Goods of Mankind may be much increased by the Naturalist's Insight into Trades." "To make out what is proposed in the title of this discourse" he says "I shall endeavor to show two things. The one, that an insight into trades may improve the naturalist's knowledge. And the other, that the naturalist as well by the skill thus obtained as by the other parts of his knowledge, may be enabled to improve trades. It seems to me none of the least prejudices that learned and ingenious men have been kept such strangers to the shops and practices of tradesmen. For there are diverse considerations that persuade me, that an inspection into these may not a little conduce, both to the increase of the naturalist's knowledge and to the melioration of those mechanical trades. And I consider in the first place, that the phenomena afforded by trades are (most of them) a part of the history of nature and therefore may both challenge the naturalist's curiosity and add to his knowledge. Nor will it suffice to justify learned men in the neglect and contempt of this part of natural history that the men from whom it must be learned, are illiterate mechanics, and the things that are exhibited are works of art and not of nature. I have several times observed trades deal with things unknown to classical writers and unused save in their shops, and I freely confess that I learned more of the kinds, distinctions, properties and consequently of the nature of stones by conversing with two or three masons and stone cutters than ever I did from Aristotle and his commentators."

### TRAINING IN THINKING

Whatever ardent advocates of industrial instruction may think of the weakness of their hobby from the academic point of view, they are willing to acknowledge this very practical defect. The processes involved in the trades, industries and professions are so varied, the apparatus, machines and instruments so numerous and expensive that they can be hardly more than mimicked in school laboratories. In some instances, actual practice may be closely approximated as in the study of medicine, dentistry, agriculture, etc., while in others the likeness to actual conditions is obtained only by confining the attention to a limited number of selected operations. For example, it is manifestly out of the question to illustrate practically, all the branches of chemical engineering which deal with foods, water, sewage and sanitation; soils and fertilizers; fermented and distilled liquors; pharmaceutical preparations; acids and alkalies; glass and ceramics; cement and building materials; fuels, gas and coke; petroleum, asphalt, coal-tar and food products; cellulose and paper; explosives; dyes and textile products; pigments, varnishes and India-rubber; fats, fatty oils and soap; sugar, starch and gums; metallurgical products, etc., but it is possible to reproduce a few of the operations which are common to many of these. Some chemical engineers favor leaving the study of manufacturing products till the student enters the factory, others believe in the introduction of factory practice into the college. The only point on which all agree is the necessity of thorough preliminary education and adequate training in scientific thinking.

I have merely outlined a few of the aspects of an important problem which confronts the University of New Brunswick and indeed the people of the Dominion. The solution appears to lie, primarily in the encouragement of scientific thinking, secondarily in the diffusion of technical knowledge.

### THE CATHEDRAL CHIMES, APPEAL TO THE PUBLIC

The Deanery, Fredericton, N. B.  
To the Editor of The Mail,

Dear Mr. Editor:—May I ask the Press of Fredericton to fulfill a promise at the time of the Cathedral fire last year and assist me to bring the matter of the Bells and clock for our restored Cathedral before the public of our City.

The Cathedral authorities have not moved in the matter heretofore, for two reasons. In the first place, we of course, had great hopes that we should win out against the Insurance Companies in our case regarding the bells, and in the second place, it was very uncertain whether or not the General Insurance allowance would more than meet the calls upon it.

That we lost our case in the courts has been public property for some time. We are also in a position now to state the the entire insurance will be used up in the restoration of the Cathedral and the furnishing of the building, so that so far as the authorities are concerned we can see nothing for it, but to reopen the Cathedral without the clock and chimes.

We shall of course, at once inaugurate a fund, of which we have already secured a nucleus, which shall have for its object the providing of the bells, but, as the estimates for the new bells secured from the makers of the original in England, amounts to between eight and nine thousand (\$9,000,000) dollars, it will clearly mean, that, unless some special effort is undertaken there will be no chimes or clock for some years to come.

The authorities appreciate the fact that the people of Fredericton generally take an interest and pride in the Cathedral property, for every one realizes I think that in the large number of visitors attracted to our City each year because they have heard of the beauty of "The English Cathedral," the property is a direct asset.

It is also well known, that the citizens of the greater portion of the City, have relied upon the Cathedral clock as the public time piece which could be depended upon; while the daily ringing of the chimes has delighted the ears of all.

These facts have been often impressed upon the members of the Cathedral congregation by their fellow citizens during the past nine (9) months, and since in these days people are usually ready when accepting privileges of this nature to assume some responsibility, one is not surprised to learn, that a number of persons have expressed again and again, a willingness to join in any undertaking to replace the bells, while Mr. and Mrs. W. T. Whitehead have generously led the way, by a promised subscription of five hundred (\$500.00) dollars.

Realizing, therefore, that it is not a purely personal matter to themselves, the Cathedral authorities would ask you to make the situation regarding the clock and chimes, known to the people of the city.

The condition of affairs amount to

### MEMBERS MUST BAL- LOT ON NAMES

(Continued from page eight.)

The officers elected are as follows:  
President—Dr. Thos. Walker, St. John.

Vice-Presidents—J. T. Jennings, Fredericton; Dr. J. C. McIntosh, St. John; M. J. S. Myles, St. John.

Secretary-Treas.—Dr. H. V. B. Bridges, Fredericton.

Members of Council—P. J. Hughes, Fredericton; A. S. McFarlane, Fredericton; H. H. Hagerman, Fredericton; E. C. Weyman, St. John; J. D. Phinney, Fredericton; E. A. McKay, Fredericton; J. W. McCready, Fredericton.

Representatives to Senate—Dr. H. S. Bridges, St. John; Dr. W. C. Crocket, Fredericton.

Mr. E.A. McKay moved, seconded by Mr. P. J. Hughes, that every vote involving the recommendation of a name to the senate for an honorary degree must be decided by ballot and that every member present must cast a ballot.

The motion was carried, after which the meeting adjourned.

### UNIVERSITY ENCOENIA

(Continued from page four)

A good student. Leaves shortly for British Columbia, where he has a position in the government Forestry service.

G. E. Smith, B. Sc. Graduate of Fredericton High School. Comes from Gibson. Graduates in Civil Engineering. Will follow his profession.

R. M. Smith, B. Sc., hails from Woodstock. President of M. F. A. in Senior year and prominent in college societies throughout course.

Ralph A. Tapley, B. A., comes from Marysville. Has a position for the summer on the Government Geological Survey. Prominent in hockey. Later expects to teach.

Wm. H. Teed, B. A. Home is at Richmond, Carleton County. Come to U. N. B. from Rothesay Collegiate School. A brilliant student. Graduates with double honors. President of Athletic Society and prominent in other societies.

F. W. Vanwart, B. Sc. A Fredericton boy. President of "Con" committee in Senior year. Hockey player. Will take position as engineer with Dominion Public Works Department.

Walter K. Willis, B. Sc., hails from St. John. Strong athlete. Half back on football team, and member of hockey and track teams in several seasons. Will follow profession of civil engineer.

E. Byron Martin comes from Moncton. Entered college with the class of 1911. Has pursued the course in Civil Engineering. Popular member of class. Will follow profession.

James T. Duke hails from St. John. Has several years been prominent in the forward line of the football team. Has pursued the Civil Engineering course and will follow profession.

this: Left to themselves the authorities will work away upon a fund for the bells and are determined to replace both the clock and chimes, even though it may take them many years to accomplish it, but if the citizens generally would like to assist in the undertaking, the Cathedral authorities would gladly welcome such assistance and be prepared to push the undertaking so much more vigorously.

I shall be grateful if you will kindly publish this letter in two or three issues of your paper, directing the attention of your readers to it, and if you are willing, I should also esteem it a favor, if you would allow subscriptions to be received at your office, acknowledging the same in the columns of your paper.

Thanking you for the interest in the matter, I remain, dear Mr. Editor, Yours truly,

CHARLES D. SCHOFIELD,  
On behalf of the Bishop and Chapter of Christ Church Cathedral.

### An English Chemist Has Discovered How to Grow Hair

In England the ladies have entirely abandoned wearing hats, which is due entirely to this new discovery.

It has been proven that Henna leaves contain the ingredients that will positively grow hair. That they contain this long-looked-for article is proven every day.

The Americans are now placing on the market a preparation containing the extract from Henna leaves, which is having a phenomenal sale.

This preparation is called SALVIA and is being sold with a guarantee to cure Dandruff and to grow hair in abundance. Being daintily perfumed, SALVIA makes a most pleasant hair dressing. Ryan, your druggist is the first to import this preparation into Fredericton and a large, generous bottle can be purchased for 50c.

London, May 15—Queen mother Alexander and the Dowager Empress Maria of Russia, both of whom are sisters of the dead King Frederick, are absolutely prostrated by the shock of his majestic unexpected death.

## LUSTRE LOOM UNDERSKIRTS

NEW STOCK JUST OPENED

Feather Light, Silken Bright,  
Fashions Height, Prices Right.

Colors:- Navy, Brown, Green and Black.

Price - - \$1.85

**TENNANT and HOLDER**

(SOLE AGENT FOR LUSTRE LOOM UNDERSKIRTS)

## Plumbing Work is a specialty of ours

When building that new house of yours don't neglect to call on us for our estimate whether the work is large or small it shall have our careful attention

**D. J. SHEA** PHONE 323  
CARLETON STREET

### - WOOL WANTED -

In Exchange for

Dry Goods, Gents' Goods, Hewson Tweeds, Pants, Overalls  
Jumpers, Underwear, Hewson's Yarn, best ever.

Millinery up to date. We give 18 cts. for unwashed wool, 25 cts. for washed wool in exchange.

**A. A. BELMORE, 408 Queen St.**

## DIOXOGEN

Price 25c, 50c, and 75c. The Kind that's advertised

**C. Fred. Chestnut** The Quality Drug Store

## LEMONT'S FIVE DOLLAR COL- LAPSIBLE GO-CART

IS HARD TO BEAT

Lemont's \$5.00 Go-Cart has Rubber Tires on 10 in. Wheels, adjustable Leather Cloth Hood, opens and closes with one motion. Your choice of Four Colors:- Black, Brown, Green and Maroon.

**LEMONT & SONS Ltd.**

## KNORRS EVAPORATED MIXED VEGETABLES, PEANUT BUT- TER, KITCHEN BOUQUET, SHEET

GELATINE

IMPERIAL CHEESE 15 and 25c packages

**G. T. Whelpley**

508 Queen St. - FREDERICTON, N. B.