

VULCANITE SLATE SURFACED ROOFING

Four-in-One Slab Shingle \$7.50 per sq.
Hexagonal Slab Shingle \$8.00 per sq.
Rolls, 32" wide \$3.90 per sq.

Ailan Lumber Co.
VICTORIA ST. KING STON. ONT.
TEL. 1092

A BUSINESS MAN'S LUNCH

We have made a specialty of the business men's lunch. At the noon hour, drop in at The Victoria Cafe. Our quick, courteous service and a menu for those of the most discriminating taste will assure you of a pleasant noon-day lunch.

THE VICTORIA CAFE
JEWEL LEE, Manager. TELEPHONE 762. 354 KING STREET

CHOICE POTTED FERNS

For choice Potted Ferns it will pay you to see our big variety. Cut Flowers and Funeral Designs a specialty.

P. C. LAWSON
THE LEADING FLORIST
STORE: Corner Wellington and Brook Streets. Phone 770.

Threshers' Supplies

Belting from 1 inch to 7 inches.
Cylinder and Machine Oils.
Belt Lacing Packing Boiler Tubes

Lemmon & Sons
187 PRINCESS STREET



SERVICE

The one great factor of any business now is the service it renders to the public. Price's Dairy does that—and more.

PRICE'S DAIRY



JEWEL PIPELESS FURNACE

The Jewel Pipeless Furnace provides the most scientifically perfect system of heating yet devised. It takes less than a day to install, and will heat your house thoroughly and economically.

As dealers familiar with all lines of furnaces, we take special pride in handling the JEWEL PIPELESS FURNACE, made by the well-known Burrow, Stewart & Milne Co., of Hamilton.



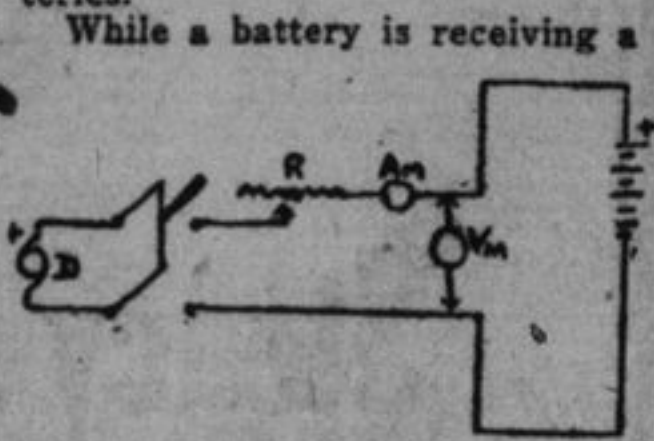
Sold and Installed by TAYLOR & HAMILTON
10-31 Princess St. Phone 418

RADIO EXPLAINED

BY LIEUT. JOHN R. IRWIN
INSTRUCTOR U. S. AIR SERVICE

STORAGE BATTERY CHARGING.

In previous articles upon lead cell storage batteries we have mentioned that there are certain charge and discharge rates for certain types and sizes of batteries.



While a battery is receiving a current from some outside source it is said to be charging. In the diagram shown below is a typical charging circuit.

charging current against the electromotive force of the battery. To thus connect the positive poles of dynamo and battery is most important, as a reversal of this would cause the battery to discharge instead of charge and cause very great injury to the cells.

Before commencing a charge, be sure the electrolyte is not less than a half inch over the tops of the plates; if less, add chemically pure or distilled water until that amount of solution shows over the top of the plate.

If no ammeter is used and it is necessary to determine the polarity of the charging current, a simple experiment will determine this. Take a glass of water to which has been added a little salt or soda, place both supply leads in the water, being careful to keep them apart, say half an inch. Bubbles will be observed coming from the negative wire.

APPARATUS AND DEVICES

By RALPH BROWN, RADIO ENGINEER

GOOD HOT WIRE AMMETERS.

In spark transmitting stations a radiation ammeter is a great convenience; in continuous wave stations it is almost a necessity.



It is also very desirable to know the filament current of vacuum tubes. This is particularly true of transmitting tubes. The

charging rate of storage batteries should also be known. This makes it very necessary for the experimenter to have access to a rugged yet economical ammeter.

The hot wire ammeter shown below is one of several developed for the above needs, and is typical of them all. They can be obtained for any mounting, whether flush for panels or front-of-board for switchboards, also portable for laboratory work or table mounting.

The expanding strip of these meters is of thin platinum, which prevents oxidation. It is so proportioned that it works at low temperature and is of low resistance. These are two highly desirable features, since the former permits reasonable overloading without fear of burning out and the latter minimizes the losses.

Will readers interested in these radio articles kindly communicate with the editor by mail?

Music in the Home

The Music of Chopin.

One sometimes reads that Chopin's compositions are weak in respect of their form. In regard to this, a writer in an English paper calls attention to the fact that although Chopin wrote no mass, no opera, no symphony, and not even a good sonata (according to the critics), he is yet ranked among the ten or twelve who have done most to increase the range and flexibility of musical expression.

Two of the greatest gifts offered by the nineteenth century toward the progress of music were the protraction of discords before resolution, and the emancipation of counterpoint and directly in the one case, indirectly in the other—these gifts were the more wittily and richly granted through the work of Chopin.

It is true that the polonaise and mazurka which make up the bulk of Chopin's work are only dances, and the nocturnes are songs without words, but the dances are dances of death and of life, and the songs are the utterances of a human soul.

Something For Nothing. Music teachers the country over are often asked to allow some sufficiently prepared pupil to play or sing for this or that entertainment without monetary remuneration.

In Paris it is considered irregular to offer or to accept gifts without an adequate return. But in this country delegates from churches, clubs, and societies of various kinds will, without the slightest hesitation, break the moral law of the Universe by asking for something musical for nothing.

Charity is quite a different thing, and musicians have never been found wanting in this, which is a duty as well to themselves as to their less fortunate fellow-travellers through life.

The Power Of Music.

In an English novel the heroine in moments of stress calmed her soul by playing the "Mélusine" Overture on her violin. When Mendelssohn scored the overture for symphony orchestra he must have overlooked its power as a fiddle piece without accompaniment, otherwise he might have saved himself considerable time and effort.—Our heroine

also repeatedly captivated her lover with the same piece of music, and although she never practiced she was always in shape to give a heart-melting and most vivid performance of this symphonic work on her dear old violin.

Equal to this were the lovers at a private musicale. They were at one and the same time enjoying the music in the parlor and the lover-like secrecy of the summer house on the lawn. She had held him off for the length and breadth of the novel, but finally the power of music reached her and she melted into his arms at the finish of the Mozartean climax as it soared ever higher and higher on the violin and a piano.

ABOLISHES THE TAX ON MUSIC TEACHERS

San Francisco Board Responds Quickly to Protests Against This Unjust Burden.

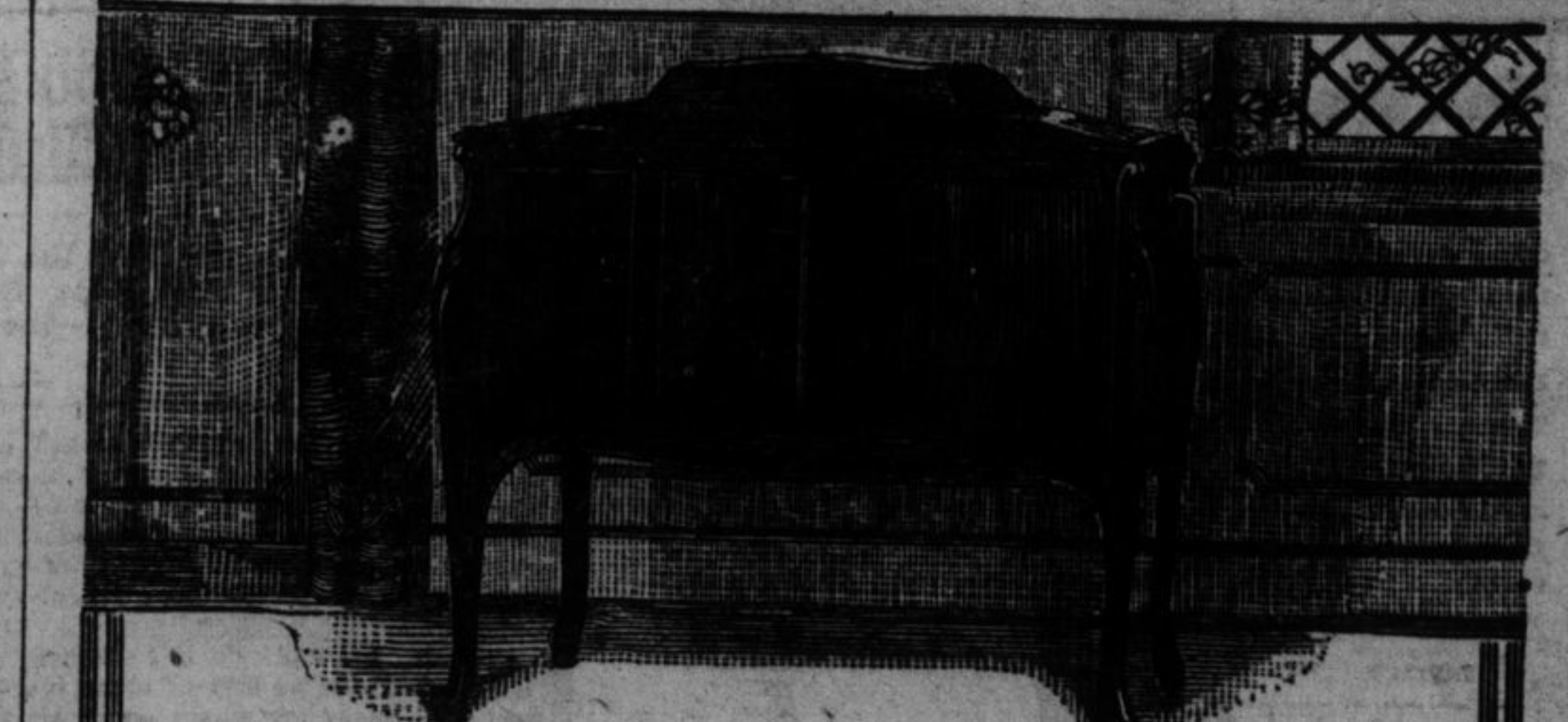
Following a series of meetings of the license committee of the Board of Supervisors, San Francisco, the vocational tax on music teachers has been abolished. Approximately 200 men and women will be affected by the change, which involves about \$3,000 in annual license fees.

The decision of the committee was reached after protests had been made by members of the music trade that music teachers were the only educational workers who were forced to pay license fees. The absurdity of this tax had been called to the attention of officials several times. According to its provisions there was a minimum tax of \$3 a quarter on any income, however small, under \$3,000. Then, just to make the joke a good one, this tax ran up \$125 a quarter on a music teacher's income of \$150.

Supervisor William Scott, chairman of the special license committee declared that this clause was a mistake in the first place. He asserted that there never was an intention to tax music in San Francisco, but that the license ordinance was copied from Los Angeles and in the rush the music tax slipped through.

Our Oldest Wind Instrument.

One of the oldest wind instruments in existence is the Waldhorn, or natural horn, or French horn, as perhaps it is best known. As a rule it is made of brass, though some makers use combinations of various metals specially designed to improve the tonal quality and durability of the instrument. It consists of



There's no guesswork in buying a Victrola

You are absolutely sure of the highest quality and of the best value.

A quarter-century of successful achievement provides conclusive evidence of Victrola supremacy. The experience gained through this constant development, and the equipment specially designed to meet their particular needs, enable "His Master's Voice"—Victor organization to maintain the high standard of quality. There are also resultant economies in manufacture, from which the public benefits.

When buying a Victrola you get both quality and value. Victrolas \$37.50 to \$615.00

Victrola



Important: Look for these trade-marks Under the lid. On the label

Berliner Gram-o-phone Co., Limited MONTREAL

T. F. HARRISON CO., LTD.

Victrolas and Victor Records 233 Princess Street Phone 90.

VICTROLAS AND VICTOR RECORDS MAHOOD BROTHERS

113-115 Princess Street

VICTOR RECORDS AND MACHINES FOR SALE AT McGALL'S CIGAR STORE—132 PRINCESS STREET

"WHERE THE CLOCK IS ON THE WALL"

WANT TO-NIGHT- Tomorrow Alright Get a 25 Box MAHOOD'S DRUG STORE

PRINTING Of Every Description. PHONE 243 BRITISH WHIG PUBLISHING CO., Limited

Music Soothes Wild Animals.

That animals are susceptible to the influence of music has been known for a long time. One of the most common instances of this trait is that of the Hindoo charming the serpent with the flute. Some time ago various kinds of music were tried out on the animals in the New York Central Zoo. Scientists from Columbia University, the American Museum of Natural History, and the New York Zoological Park were present at the demonstration. The general conclusion reached was that music has a tendency to soothe wild animals, jazz by no means included. Whenever jazz was played considerable excitement was apparent among the beasts. "Lead Kindly Light," however, softly played, served to quiet somewhat one of the most ferocious black leopards. Animal trainers might find the phonograph an asset in training animals, particularly the incorrigible ones.

ty and become an eminent musician you must refuse to permit disappointments to hinder your progress and lead you to failure. There never was an accomplishment worth possessing ever attained without effort and application. Anything worth possessing it will worth exertion. A few disappointments to combat now and then presents no reason why anyone should affix his signature to the roster of failures. Sincerity of effort and a willingness to endure hardships are the necessary requirements for the attainment of musical success, and unless one possesses an unlimited amount of patience, coupled with optimism sufficient to overcome trials and discouragements, one will never ascend the elevated sphere. There are thousands of failures in the world to-day who are paying the penalty for submitting to discouragements and disappointments.

Failures In Music.

Why do so many fail to attain musical success? Simply for lack of ambition and efficiency. Hundreds begin the study of music with earnest intentions of becoming eminent musicians, but because they are obliged to encounter a few obstacles they become greatly discouraged and lose interest in their work. Some become incompetent musicians, while others give up the work in utter disgust. Determination and confidence are essential to successful musicianship. If you desire to develop musical skill

Russian Soviet officials appear extremely confident that the conference with the Japanese at Chang Chung will bring peace to the Far East and re-extension of Russia's sphere of influence to Vladivostok. The U. S. rail executives claim the strike is broken and virtually over.

Constipation is Cured by HOOD'S PILLS 25c.

Abbey's SALT Drives Away Headache

It is reported that Sir Eric Geddes, minister of transport in the British government during the war, may be the next chairman of the Canadian National Railways. Poppy day will be remembered on Nov. 11th, with a tag day by the G. W.V.A.