

EXPERIMENTS WITH A GAS JET.

How the Flame May Be Made to
Dance, Sing or Play Music.

With a Pinhole Burner You Can Provide
Amusement for Yourself and
Friends.

If you were to say that you could make common gas dance, talk, sing songs and play music, you might be laughed at, and yet the ordinary lighting gas can be made to do all these things. If you like, you can perform these and more tricks with gas, and you will need very simple apparatus.

You require a pinhole burner. This you can make yourself if you have a blow pipe, but if not you can get it made easily and at a small cost.

To make it, get a piece of glass tubing and heat it in the flame, then draw out the heated part until you have a tube as small as a pin. Break it off at its smallest part and you have a pinhole burner.

Get a piece of rubber piping, which you must attach to an ordinary gas jet, the other end of the end of the glass tube. When the gas is forced through and lighted it will burn in a long, thin flame.

If the flame is quite free from draughts and all projects are silent the flame will be steady, but if a watch is held near it, it will wobble and flare back and forth, keeping exact time with the ticking of the watch. If you will call out in a loud voice it will leap to and fro as though you had frightened it, and if you keep up a conversation in a loud voice it will dance about as though in excitement.

To make a gas jet speak, or to cause it to transmit sounds like a telephone, you must surround the pinhole burner with a tin tube having a small hole in one end, through which the burner projects a little way. The bottom of the tin tube must be made to connect with a speaking tube, which may be in another room or on another floor.

Speak into the tube, no matter how far away from the burner, and the sound will be heard through the hole through which the burner projects and is, therefore, forced against the base of the gas flame, which is always more sensitive. The flame will take up the wave sounds and magnify them so that the words can be heard all over a very large room, and if you attach a phonograph trumpet to the burner the sounds will be more increased in strength and loudness.

To prove that it is really the gas that does the talking, turn off the gas and instantly the sounds cease, though the person at the other end of the speaking tube continues his conversation. If you force the gas through a square of wire mesh, very fine and raised above the burner, by holding a lighted match above the wire gauze the gas will burn only above it, making a conical flame. This, having a larger base than from an ordinary burner, is very sensitive.

If you sing or play, whistle or talk on a level with the gas, you can make it perform all sorts of antics by changing from whistling to singing, or from a funeral march to a two-step.

HOW TO PROMOTE A FULL GROWTH OF HAIR

Daily Brushing is Necessary for the Health
of the Hair.

The hair suffers by reason of much ill-directed expense expended on its behalf, as well as by neglect.

Dressing the hair is commonly done without intelligent appreciation of its needs, or is so often haphazardly disregarded, that the hair is rarely the adornment it might be.

A vigorous growth of hair is dependent upon the healthfulness of the scalp. Baldness, for example, is the usual accompaniment of a tight, thin scalp, while a soft, loose scalp, with a bountiful blood supply, will ordinarily produce an abundant growth of hair. The scalp has not been properly compared to the soil, where the seed is productive according to its nutritive ability, and also according to the well-judged care bestowed upon it.

Brisk, daily brushing is indispensable to the health of the hair. The scalp must be subjected to friction from the brush for the sake of cleanliness. A brush with rather stiff bristles is necessary in case the hair is thick. If the hair is thin, a softer brush accomplishes the purpose.

You Are Weak Instead of Strong.

A WEAK, PALE, DESPONDENT
SPECIMEN OF HUMANITY,
LACKING IN VIGOR,
STRENGTH AND
AMBITION.

Make Yourself a New Being—Re-
new, Revitalize, Reinvigorate
Your Lost Strength.

You're a discouraged, weak, miserable wreck—old before your time. Instead of a place of happiness the world is full of strife, worry and distress.

You are sick and not aware of it, just able to drag yourself around, but totally incapable of exertion or hard work.

Your stomach is crying out for assistance. Hadn't you better give it some Ferrazone?

Your nerves require a good bracing tonic, and the best thing for them is Ferrazone. Why don't you use this sovereign remedy? It is intended for cases just like yours.

Ferrazone is superior for the blood and nerves to any curative agent the world has ever known. Its recuperative powers are beyond description, as a trial will demonstrate.

With the use of Ferrazone comes strength to overcome the difficulties and battles of life. Digestion and assimilation will improve, appetite will grow better. You will sleep soundly, and presto—before long you will be healthy, strong and well.

These blessings are all obtained by the regular use of Ferrazone, and can be purchased at any reliable drug store for 50 cents, of three boxes \$1.25. Sent by mail to your address if price is forwarded to N. C. Polson & Co., Kingston, Ont.

DYSPEPSIA



My DYSPEPSIA CURE positively cures all forms of indigestion or stomach trouble. It relieves worn-out stomachs. It builds up stomachs that have been weakened by powerful cathartics and old-fashioned nostrums.

Munyon's Dyspepsia Cure corrects bloating of the stomach, palpitation of the heart, shortness of breath, and all affections of the heart caused by indigestion, wind on the stomach, belching wind or sour food, bad taste, offensive breath, loss of appetite, faintness or weakness of the stomach, improper circulation, constipation, heartburn or water-brash. It relieves the most distressing dyspepsia in a minute. Munyon's Pills Ointment cures all forms of piles. Munyon's Blood Purifier cures all blood impurities. Munyon's Liver Cure corrects headache, biliousness, jaundice, constipation and all liver diseases. Munyon's Female Remedies have been to women. Munyon's Asthma Cure and Herbs are guaranteed to relieve asthma in three minutes and cure five days. Munyon's Catarrh Remedy never fails. Munyon's Visceral restores lost powers to weak men, women, etc.

Munyon has a cure for every disease. The Guide to Health (free) tells of them. Cures, mostly as cures. Munyon, New York and Philadelphia.

MUNYON'S INHALER CURES CATARRH.

plishes the same result. The root of the hair—the portion upon which growth depends—is stimulated by intimate contact with the brush, which should produce a sensation of pleasurable warmth in the scalp. A brush that scratches and irritates should be discarded.

The comb plays a minor part in hair-dressing, but requires equal care in its selection. It should have widely spaced, smooth and blunt pointed teeth. The use of the old-fashioned fine-toothed comb cannot be approved at any time, as it subjects the large, strong hairs to pulling and injury by splitting or cracking them, and may even tear the scalp.

Too frequent dressing is apt to be harmful to the hair, since it is thus apt to be kept moist or damp. This state is favorable to decomposition here as elsewhere. It is sufficient to wash the hair once a week. A good toilet soap is to be used, the hair subsequently being rinsed well and carefully dried.

When the hair has not sufficient oil of itself, some substitute may be provided, for which nothing serves better than vaseline or olive oil. This is to be applied to the scalp or to the roots of the hair. The brisk, daily brushing recommended above is also a stimulant to the oil glands.

Singing the ends of the hair is of no value as a means of stimulating its growth. The same may be said of close cropping, for this is commendable in childhood, since it renders cleanliness of the scalp easily attainable, and allows free access of the air to the scalp, which is therefore consequently less subjected to prolonged dampness and decomposition.—Youth's Companion.

RAISING OF FROGS

A QUEER INDUSTRY

United States Will Consume All the Frogs
Canada Can Produce.

Frog farming as an industry is assuming large proportions in many parts of Canada, says the New York Sun. Not only are large shipments of frogs' legs made from this country to the United States, but there is a growing demand for the luxury in many of the large centers of the Dominion.

One of the most successful frog farms is in Ontario. Last year it produced 5,000 pounds of dressed frogs' legs and 5,000 living frogs for scientific purposes and for stocking other waters. The Ontario department of fisheries for Ontario reports that in the past year a number of applications were made to the government for leases of lands suitable for this industry. The department has been successful, as it was found that the territory concerned was already being farmed by a number of people.

It is safe to assume that in the very near future much land now idle will be stocked with frogs. All that is necessary for this purpose is to place a few paired breeders in the water. Natural food is almost always present in sufficient amount for successful growth. The species considered here to be most profitable, on account of its size, is the eastern bullfrog, *Rana Catesbeiana*, which reaches a length of more than eight inches. It begins to breed at the end of three years, is very productive and reaches a marketable size in four or five years.

Only the hind legs are marketed, and they average half a pound, and a pair of legs is worth 50 cents a pound, at times, to the producer, and American dealers take as many as Canada can supply.

WAYS OF HOPI MAIDS.

In this age of advanced views on matrimonial entanglements and obligations it is refreshing to read of the curious marriage customs of the gentle savages of the Hopi tribe, in Arizona. Here the Hopi maid does the woman, for the woman of the Hopi brand are held in much higher respect than are their coppery sisters of kindred tribes. And when the Hopi maid has selected the youth of her choice she goes to his house as a suitor for his hand, and testifies both to her devotion and her industry by grinding corn beneath his roof until he is sufficiently impressed with her qualities to yield to her suit.

The Hopi maid leads the man of her choice to the tribal altar she does so in the midst of elaborate ceremonials of long duration, and when all is over she takes him to her home. Nor does she yield this ownership when she wedd. On the contrary, the house, the fields and all the property save the herds belong to the wife. This, as will be seen, greatly facilitates the Hopi method of obtaining a divorce, for when the wife tires of her husband, she simply takes his saddle from her floor and tosses it out through her door, and the divorce is complete.

DOAN'S KIDNEY PILLS cure backache, sideache, scanty, cloudy, thick and highly-colored urine, diabetes, dropsy, and all troubles arising from a weak condition of the kidneys.

AVOID TRIALS OF MOVING DAY

A Holiday for the Migratory
American.

Anglo-Saxons Are Nomads—How to Lessen
Confusion—Labeling Fur-
niture.

The American householder likes to move! There are so many evidences in favor of this theory that it is a mere waste of time and space to debate the statement and enter into an exhaustive consideration of the subject.

To the migratory American moving day is the brightest star in the holiday calendar. Of course the moving debates the statement and enters into an exhaustive consideration of the subject. For months before the great day in street cars, at theaters and even in churches one hears disjointed, subdued feminine conversations such as these: "Rooms and bath?" "Range and old kitchen?" "Root in a condition?" "Landlord a horrible old curmudgeon!" "Variations on this plaint prevail until after the moving saturnalia is over. Then for a few months the movers hear disjointed and confused accounts of the perils and inhuman conduct of moving men, servants, plumbers, house painters, paper hangers and such other adjuncts to enhance the moving day.

Anglo-Saxons ARE NOMADS. There is no particular reason why Americans should be ashamed of their roving tendencies. Anglo-Saxons are nomads by instinct, and so long as an unpaid rent score is not the cause that disquiets them their hankering for new scenes and new associations is a healthy one, for they are not told by M. D.'s who minister to the mental welfare of the ill-balanced American public that change of scene is a refreshment for the mind diseased. Moreover, in this day of specialists and experts it is claimed that the labors of moving day may be much modified. With this household problem, it is said, doctoreses of domestic economy have wrestled both in thought and in substance and have come out more than victors. According to the scientific theory, one ought to prepare to move at least a month before the arrival of the van. Every article in the house should be carefully inventoried, and after it has been inventoried, in case it is damaged, it may be supplied with a tag to indicate its place in the new home. The inventoried articles in the house are supposed to save much confusion.

When another domicile has been selected, the mistress of the house should draw a rule plan of the new abode and decide what goods would like to have been goods distributed.

In most cases one family moves out of a house only in time to allow the admission of the next tenant. When it is possible, the family should be given a preliminary washing, and the walls should be wiped with clean, dry cloths to remove the dust. If the landlord is to paper for the new tenant, the paper should be applied before the family takes possession. Any repairs which have been promised should be completed before the first piece of furniture is placed in the new home. The tenant is secured, agents and house owners find promises wonderfully easy to forget.

Supposing the windows, floors, paint and walls are all in clean order, the family takes possession. The new home is to be laid in some of the rooms at least before moving day arrives. Picture rods should be inspected, or if individual supports are required, these should be supplied. The pictures may be placed upon the walls as soon as they arrive.

If a contract is made with the van man to pack as well as move the furniture, a great deal of work should be spared the family. In such instance, the van owner is responsible for breakage. Clothing should be packed and the contents of desks locked up, for moving men are not above prying and making remarks.

THE LABEL IDEA.

When it is decided where the furniture is to go, a number of stout cards similar to those with which trunks are checked at railroad stations should be bought and one tied to each piece of furniture. The card should be labeled for its destination, whether it be the kitchen, dining-room, library, parlor, spare room, nursery or servant's room. The van men should be apprised of this classification and asked to carry the furniture to the proper places in the new house. When the van with its first load starts out from the old home, some member of the family should carry with them a sheet of paper bearing in large letters the names of the different rooms in the new home. These can be pasted on the woodwork of the doors where the men will be able to see them. The representative of the family in possession of the vacant house should insist that the household

goods be placed exactly where they are required.

While awaiting the arrival of the first van the kitchen should be swept in case the previous tenant has just departed. Then when the wagon arrives the kitchen furniture, which is piled upon the van last of all, may be first unloaded and put in place so that the servants may go to work at once.

Fires should be made at once if the weather is damp or cold. If the family has rented an empty house, these fires may be built ready to light in advance.

If one family moves out just as the other moves in, a supply of coal and wood in a barrel should be the first thing taken from the first dispatch of goods.

If the furniture is prepared for loading by the members of the family and their servants, stout empty barrels make good receptacles for pots and pans and the household odds and ends.

The bed-room and china are packed in excelsior in boxes of moderate size and must be labeled china or glassware in order to warn the movers to exercise care in handling them.

Mattresses rolled up with the bedclothes smoothly folded inside will save a great deal of trouble when beds are to be made. Bed furnishings packed together in a box or chest are also convenient. Bedsteads are set up by the van men, and once these are in place mattresses may be easily removed from the canvas wrappings or sheets and laid across the beds.

In a household packed where they will be found without difficulty when the new home is reached should be the dishes and cooking utensils for preparing the day's meals. Food should be packed in boxes and sent by the necessary to send out to new and untried stores in the neighborhood. It is well to prepare a roast joint of meat the day before and then to serve it cold. Bedsteads are set up by the van men, and once these are in place mattresses may be easily removed from the canvas wrappings or sheets and laid across the beds.

BEWARE OF COLDS
IN SPRINGTIME.

Fresh Air and Cold Baths Ward Off the
Dreaded Grip.

HOW CAUSTIC BURNS.

Take a piece of woolen cloth, or a piece of a blanket, and boil it thoroughly in a strong solution of caustic soda, and you will find the wool will gradually be eaten away, leaving nothing but the skeleton. Women do not realize how "soap substitutes," which are generally sold under the name of soda, or how common alkaline soaps destroy their clothing; consequently they, week by week, subject costly fabric to such treatment. The hands also are immersed for hours in such solutions, resulting in eczema, coarse skin, and brittleness of the nails. The caustic soda may loosen the dirt, but it eats away the fabric and ruins the hands. There is no economy in such work. It is so easy for a woman to test the difference between an alkali charged soap and a neutral washing soap, that it is strange that there is room for any but a pure soap on the Canadian market. Sunlight Soap has been tested by chemists and analysts the world over, and its freedom from free alkali or caustic has been demonstrated by the highest medical authorities. Consequently the true saying, "Sunlight Soap reduces expenses," is true.

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APPEAL TO WEAK MEN

Are You Suffering from Varicocoele, Nervous Debility,
Loss of Vital Power, Loss of Ambition,
Early Decay? I Will Cure You.



vital organs. The strength is quickly restored by it and losses corrected. Rheumatic pains are quickly dispelled and all functions of the body developed and made strong. It sends the blood with a gladness bound through the veins, carrying health to the body and happiness to the heart of the despondent sufferer.

ANY MAN OR WOMAN WHO WILL SE-
CURE ME CAN HAVE MY BELT AND

VIGOR OF YOUTH RESTORED IN A NIGHT.

HOW DOES IT CURE? How simple that is to me! I have studied and developed upon it for years, and I will explain it to you as simply as I can. Your weakness is like the running down of the steam in the engine. There is not enough power in the nerves to make the physical body go. Nerve power is electricity. Electricity runs your body just as it runs an electric car, when there is enough power. If the power is short the car won't run. Neither will your body. Now, when you have overtaxed Nature, when you have been dissipating too freely, you have drained away the reserve vitality and caused injury to the nerves and glands which retain the vital force, so that you are now subject to a constant drain of this power. You are losing it fast. You have never regained what you originally lost, and you will never regain it. My Belt points electricity into your impoverished nerves for hours every night. They drink it up gladly, absorb it and retain it. They expand and develop under its influence. They get strong and the drain is stopped; they grow in size and power daily, your step becomes quicker, and you look into the glass and see a MAN; you are CURED! RESTORED! MADE OVER! and the sun shines gladly upon your future. "The world is mine," you say, and the people in it proclaim you a man. So my belt cures you, and when you pay for it you make an investment which returns you more profit than any that has ever been made by man.

CAUTION! If you value your health, do not accept an imitation of my Belt. There are many on the market. Old style, blistering scorchers, whose only merit is their ability to burn and scorch the flesh, are being offered with a cheap imitation of my Cushion Electrode. But it is a sham. Don't accept it. The best is none too good when you want your health, your vigor; avoid imitations. The cushion electrode is my special invention. Without it all electric belts blister and burn holes in the flesh and cause no good. I take the other belts in trade.

FREE BOOK Every man who admires the perfection of physical strength should read my beautifully illustrated book. It tells how strength is lost and how I restore it with my Electric Belt. I will send this book, closely sealed, free upon request if you will send this ad. If you are not the man you should be, write today.

DR. M. G. McLAUGHLIN, 130 Yonge St., Toronto, Ont.

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