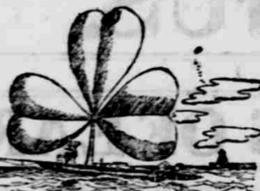


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- Ginger Snaps, lb. 25c
- 2 packages Panache Flour. 25c
- 2 packages Malta Vita. 25c
- 1 can Corn. 25c
- 1 can Peas. 25c
- 3 cans Syrup. 25c
- 3 cans Tomatoes. 25c
- 3 large bottles Catsup. 25c
- 3 pkgs Seeded Raisins. 25c
- 3 pkgs Currants. 25c
- 6 cans Mustard Sardines. 25c
- 1 large can Baking Powder. 25c
- 1 lb. pkg Baking Soda. 25c
- 3 cans Salmon. 25c
- 3 cans Baked Beans. 25c
- 6 pkgs Egg Noodles. 25c
- 3 cans Pumpkin. 25c
- 6 lbs. Rice. 25c
- 3 cans Kidney Beans. 25c
- 1 can Beets. 25c

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is to hold and defend the cup and prevent Sir Thomas Lipton from landing the much coveted prize, so are we anxious to hold up our reputation in making good clothes and giving the public their money's worth. A trial will convince you that we are more than able to hold our own. You know who we are.

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AUTOMATIC STEPLADDER.

Safe as a Scaffold, Compact and Adapted to General Uses.

Small inventions are not always the least useful, and a proof of the fact is furnished by the automatic platform stepladders recently constructed by M. Bardin of Billancourt, France, and described in the Scientific American. This ladder, of which there are two types of different size, one with steps and the other with rungs, is ordinarily hinged so as to fold together, and of a movable platform that is usually surmounted by a tool box.

When folded, the platform lies flat along the steps of the ladder and when the latter is opened slides to its proper position in two grooves so formed that at a given moment it is arrested and becomes more rigid in proportion as the weight supported by it is heavier. As may be seen, the mechanism is very simple. On the other hand, this new ladder has the merit of being extremely safe. There is, in fact, no danger of



THE LADDER EXTENDED.

the sudden spreading of the uprights as a consequence of the breaking of the rope that keeps them in place. The equilibrium is assured by the platform itself. This latter possesses such stability that the person who has to stand upon it for some length of time can not only perform the kind of work that he has in hand with absolute safety, but also with as much facility as if he were stationed upon a scaffold.

It may also be used against a wall, like an ordinary ladder, the uprights remaining closed, while the supports of the platform and the tool box rest securely upon the wall.

The ladder when folded occupies no more space than an ordinary one. The platform fits into and entirely disappears in the space between the uprights.

AMERICAN FORESTS.

The United States in No Immediate Danger of Wood Famine.

Recent figures published by the United States geological survey go to prove that the United States is in no immediate danger of a wood famine. The percentage of forest area in the different states varies widely. Only 1 per cent of the area of North Dakota is covered with forest, while Alabama, with 74 per cent; Maine, with 79 per cent, and Arkansas, with 81 per cent, represent the thickly wooded parts of the country. The new wood industries are remarkable in their utilization of what used to be considered little better than waste. Spruce is the great wood for paper pulp. Formerly it was but little thought of.

The spruce forests are being more carefully treated than of old, the large companies preserving the growth of younger trees for future supply. A century or more is needed to produce a good paper pulp tree. This industry has grown in ten years from almost nothing to colossal dimensions. The rejected scrap from paper mills is made into wood ornaments and small articles. Soft wood veneering has had an enormous development. It is used for butter trays, berry baskets and the like. Matches and toothpicks are minor products as regards size, but millions of cords of wood are employed in their production. Formerly the white birch was considered almost useless as timber. Spools are now made from it to the extent of many millions annually, and the wood is exported to foreign spool factories. Butchers' skewers, dice boxes and checkers are produced from the waste of mills. Often the waste from a machine is used to supply a different class of machine in the same mill. Children's wooden toys are now manufactured in the Maine woods, supplanting those formerly imported from Germany.—Collier's Weekly.

A New Kind of Bronze.

The demands of automobile manufacturers for a metal able to sustain extraordinary pulling and twisting strains have led to the invention in France of a new alloy, which is called "formetal." It contains, in addition to the usual constituents of bronze and brass, a mixture of other metallic elements, which contribute great power of mechanical resistance. It is also said to be unalterable by the effects of exposure to the air, and it resists the attack of weak acids. It can be drawn in bars or rolled and forged. Nuts and screws made of it are unoxidizable.

Telephones on Trolley Cars. Street car telephones, over which crews or passengers may converse at any point reached by telephone, have been installed on the Charterol division of the Pittsburg Railways company. On such car running between the Hilltop and Allentown, were placed portable boxes with a complete long distance outfit. The service worked well for thirty miles. The contrivance is the work of James W. Boden, superintendent of telephones for the Philadelphia company, and S. P. Grace. It is the first of the kind ever installed.

SELANIUM.

A New Chemical Substance More Wonderful Than Radium.

Scientists are now closely examining and experimenting with a new and wonderful chemical substance called selenium, which possesses properties, it is said, even more marvelous than radium, says the London Pictorial Magazine. A simple experiment was recently made by a French chemist which clearly proved this extraordinary peculiarity of selenium. A fragment of the substance was put into an electric battery from which an electric lamp received its light. There was also placed just above the selenium a disk pierced with holes which was turned round with a given rapidity. The marvelous result was that the electric lamp was extinguished and relighted alternately as the daylight fell upon the selenium through the holes in the disk.

The inventor hopes to utilize the influence of light on selenium for constructing a system of electric lamps which will automatically light themselves and be extinguished at dawn automatically.

Coffee grains can be sorted by the aid of selenium when the necessary apparatus is requisitioned. It is done in this way. The grains pass through the machine one by one before a piece of selenium the electric resistance of which varies according to the color, and as this depends upon the color of the grain—good and bad coffee grain materially differ in color—a change in the intensity of the current takes place at every moment as the grains are light and dark. Thus influenced, the electric current displaces a kind of needle delicately poised inside the machine and readily influenced by the slightest electric current. This needle conducts the light grains into one receptacle and the dark ones into another with infallible accuracy of judgment.

A TWO MINUTE HAIR CUT.

Spring Propelled Clippers Invented by a Citizen of Nanty Gio.

The labor required for the purpose of operating the hand clippers used by the barber is not great, but in these times all unnecessary labor is regarded as lost labor, says the Brooklyn Eagle, and an improvement has been recently made in this humble implement with the idea of further simplifying the device and for greatly facilitating the hair amputating process. This improvement is nothing more than a combination of the clippers and a spring motor. The shape of the tool, which is more or less familiar to all, has been slightly altered to effect this union, but the improved apparatus is not unwieldy for the reason that the mechanical end of the combination is disposed of in what might be called the handle.

The spring is contained in the large circular barrel and is wound up by a crank attachment not large enough to be in the way of the barber while pass-



A SMILING VICTIM.

ing the cutter over the head of his patron. The device is supplied with the proper arrangements for adjusting the action of the reciprocating blades, the means of starting and stopping and controlling their speed being a lever which is located at a point at what might be called the waist of the device, where it is convenient to the thumb of the operator.

This combination emanated from the fertile brain of an inventive genius hailing from a Pennsylvania town bearing the euphonious name of Nanty Gio. He claims with the aid of this device the barber can go over the head of a client in two minutes without missing a hair and with a very small part of the labor heretofore required for the operation.

Transmuting Vegetables.

The discovery of a means of metamorphosing radishes into potatoes has been made in so solemn a place as the Academy of Science, Paris, says the St. James' Gazette. M. Mollard takes a very young radish, "pasteurizes" it in a certain way, and it grows up into a fine potato. More scientifically, the young radish is cultivated in a glass resort, after a process invented by Pasteur, in a concentrated solution of glucose. Starch then develops plentifully in the cells of the radish, which swells out, loses its pepperiness and acquires practically the consistency, flavor and especially the nutritive properties of the potato.

Injurious Effects of Smoke.

An interesting discussion has been going on in Utah to determine the effect of the smoke from smelters upon crops, as many of the farmers near Salt Lake City claim that they have suffered damage by the injurious fumes given off from such establishments. It was found that farms lying in the direction of the prevailing winds were the most damaged, but that in no case was it sufficient to cause a total loss of the crop.—Harper's Magazine.

COOKING BY ELECTRICITY.

Pressing the Button Gives Heat in the Modern Kitchen.

Long ago it was ascertained that when an electric current flowed through a wire some of it disappeared in transit, and it was also found that if the current was large and the wire carrying it was small the greater portion of the electric energy was transformed into heat.

It is evident, then, that if a little coil of wire is placed on the bottom of a saucepan and a current from a lamp socket is sent surging through it instantly it will glow to redness and quickly heat the contents. This is exceedingly simple, but the wire must be insulated, it must be of just the right length and be placed in the correct position in order to obtain the best results with the least cost.

A new substance for electric heating is called kryptol, being a recent notable German invention, consisting of



AN ELECTRIC KITCHEN.

graphite, carbonium and clay combined to form a loose mass. In this method the substance is arranged in the form of a cook stove instead of having the heat applied directly to the vessel used.

The first great advantage of calling in electricity as an aid in the proper preparation of foodstuffs is of course obvious to the voracious school miss since the temperature of the kitchen is removed from that of the bake oven. When the gasoline arrangement was devised it was considered an important improvement, and it was indeed in so far as a decreased temperature was concerned, but its caprices, such as exploding just as dinner was ready to take up, made it unpopular.

In the modern electric kitchen safety reigns supreme, for electricity cannot explode. The teakettles, coffee-pots, saucepans, blenders, broilers, griddlecookers, waffle irons, water urns, electric ovens, portable stoves and what not being insulated so that it is impossible to get a shock. Then there are no oil odors, there are no products of combustion, and finally the delight of the housewife and the joy of the cook are found in its absolutely uniform temperature.—Kansas City Star.

SCOUTING BY TELEPHONE.

Up to Date Methods of the Scientific Jap Warrior.

"Scouting with the aid of the telephone has become one of the features of modern warfare and is now being made use of by the Japanese, says the Western Electrician. Two scouts proceed from the lines toward the enemy; one, the observer, is a skilled army officer who makes the observations, which are transmitted back to headquarters through a telephone line paid out from a reel carried by an electrician of the signal corps.

A ground return is used, the ground being made by thrusting a bayonet or hatchet into the earth and attaching one end of the line to it. The electrician carries a battery on his back. He also makes the connections and does the talking. A special conductor is used which will stand the rough usage. In this manner a scout may be able to stay out a long time and give valuable information without being obliged to make a number of hazardous trips to the front.

Stamping Out Tuberculosis.

London's county council is to have wider powers in its effort to stamp out tuberculosis. The house of commons recently in voting powers to the council approved suggestions that when a veterinary surgeon inspecting a cow shed or dairy has reason to suspect that a cow is suffering from tuberculosis the London county council may order it to be slaughtered. If after its death the cow is found to have been healthy the London county council shall pay as compensation the full value of the cow before slaughter and all reasonable expenses. On the other hand, if the cow is found to have suffered from tuberculosis the council shall pay three-quarters of the value. The maximum compensation is to be \$146.

Heat From the Stars.

Professor Nichols, the astronomer, recently made a wonderfully delicate instrument to measure very faint heat waves. It is so sensitive to heat that it registers the warmth that emanates from a man's face 2,000 feet, or more than a third of a mile away. With this instrument Professor Nichols tried experiments in the Yerkes observatory. He selected the two stars Vega and Arcturus. These stars are so far away from the earth that the human mind cannot conceive the distance. Professor Nichols found that Arcturus sends the earth as much heat as a man could get from a candle burning six miles away from him. Vega was found to send only half as much heat as this.

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ABSOLUTELY THE LIGHTEST RUNNING LOCK-STITCH SEWING-MACHINE.

It only needs a mere touch of the treadle to start the machine. The use of ball-bearings, the superior design and mechanical excellence of construction throughout, all combine to make its continuous operation a pleasure—it runs so smoothly.

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A BOON TO SICK WOMEN.

After four years of vain endeavor to regain her health by taking other medicines, Miss Beatrice Wood was made a perfectly well woman by taking Wine of Cardui, the most successful menstrual regulator and woman's tonic known to the science of medicine.

She took Wine of Cardui and that is what we advise you to do.

Will you follow her example and be a well woman?

We could show you letters from 10,000 other women who praise Wine of Cardui as she praises it.

WINE OF CARDUI

No. 14 Main St., Pensacola, Fla., Nov. 20, 1903.

I had been suffering with irregular, scanty and most painful menstruation, and when the periods occurred I was unable to be up and had to stay in bed for a day or two. Nothing I took helped me until I used Wine of Cardui. It proved to be just what I needed. Within two months the serious pain had disappeared, my headaches were less frequent and not so severe and felt very much encouraged, but had to use your medicine for four months before I was entirely well and regular. I have enjoyed the finest health now for eighteen months. I am very regular and have no more pains and eat and sleep as well as could be desired.

Beatrice Wood
TREASURER, ARTS AND CRAFTS OUTLET.

A rat with a red hot stove in his stomach

In the manufacture of Stearns' Electric Rat and Roach Paste, a peculiar chemical is used that when swallowed by rats or mice feels like a red hot stove in the stomach and begins to burn them up; craved by this feeling after having eaten

Stearns' Electric Rat and Roach Paste

they rush madly out of the house in search of water and gasping for air. In a few moments all is over and their bodies are burned up and Stearns' Electric Paste has once more proven that it is sure death to rats and mice. It also kills cockroaches, water bugs and all other vermin.

GUARANTEE Your money will be refunded if Stearns' Electric Rat and Roach Paste does not do all that is claimed for it.

2 oz. box, 25¢; Hotel size (light blue) \$1.00
Sold by all druggists or sent express prepaid on receipt of order.

STEARNS' ELECTRIC PASTE CO.
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"Up Agin" a Good Thing
a man when he commences to patronize the American Steam Laundry. "The best laundry I ever struck is what those who indulge in a little slang would say. But entre nous if you want your linen as faultless as when you first bought it, in color and finish, we will guarantee to do it to your satisfaction every time. Careful handling and artistic work are among our up-to-date methods.

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Hauling and moving of all kinds, large or small at reasonable rates. Daily wagons to Moline and Davenport. We also handle the best grades of hard and soft coal. A portion of your patronage is respectfully solicited. Satisfaction guaranteed. New phone 5464, old 545. Office, 215 Twentieth Street, Rock Island, Ill.

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I have used and prescribed SUN-BRIGHTS CALIFORNIA BABY FOOD with much satisfaction and consider it one of the best, if not the best food preparation on the market. It did me especially good service in one case of Cholera Infantum, and in Typhoid Fever I found it invaluable.

—W. T. McNary, M.D., San Jose, Cal.

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