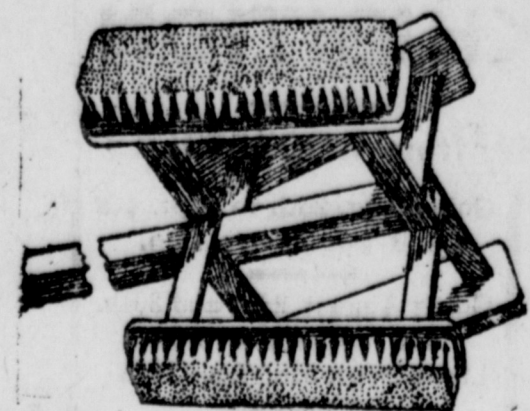


CLEAN THE CHIMNEYS

A Liberal Application of Pole and Scrub Brushes Will do it

Chimney fires could be easily remedied if people would only take a little



trouble to clean out the pipes and chimneys. This has always been a dirty task, and probably always will be, but it can be accomplished with a minimum of trouble and dirt if a home-made cleaner is constructed along the lines shown in the sketch. The central pole can be made as long as needed and it can be made in several places so that it can be joined together. The commonest and cheapest scrub brushes are all that is necessary.

Nails in Plaster

There is hardly a householder who has not been annoyed when a nail he has attempted to drive into the wall will not hold in the plaster.



While he merits the sympathy and kindly consideration of all persons who have

been similarly upset, there is a way out of the difficulty that seems so simple his anger becomes absurd. The nail to be driven into the plaster should have a notch filed in it near the end on one side and another notch a little further along toward the head on the other side. When the nail is to be put into the wall it should be dipped in liquid glue until it is well covered and then driven in place. As soon as the glue hardens it will become as firm as the plaster itself.

ICE CREAM CONE HOLDER

Enables Dealer to Carry a Number of Cones in One Hand

Under ordinary circumstances, a person can carry only about three ice cream cones in one hand, and the hands of the average dealer in ice cream cones are not such as one would care to eat out of. An Iowa man has patented a device for carrying these confections. The holder is itself cone-shaped and has a wire running up from it with a loop at the top. The holder is shallower than the ice cream cone, so that the latter may



HANDS DON'T TOUCH CONES

Easily placed in it and removed. By slipping the wire loops over his fingers a man may carry a dozen cones without trouble and in a much more sanitary fashion than if he carried them in his hands. Furthermore, if a cone is held in the hand for any length of time the heat of the hand will cause the ice cream to melt.

Using Farm Waste

A farm engine driven by a gas motor has been invented in Europe that is equipped with its own producing plant for making gas from waste material such as bark, sawdust or dry leaves.

A Huge Crane

The largest crane in the world, erected at a Scotch shipyard, can be utilized at every point within a circle 300 feet in diameter and can lift loads of 200 tons to a height of 140 feet 50 feet from the center.

Not Yet Explored

It is estimated that there are about 7,000,000 square miles, or about one-fifth of the land surface of the world waiting to be explored by dis-

SCREENS ON ROLLERS

The Latest Wrinkle in the Ventilation of a Room

It is a most annoying thing to have a window stick on the screen frame when it is desired to lower the window or shoot the screen into the air when the window is raised, leaving the bot-

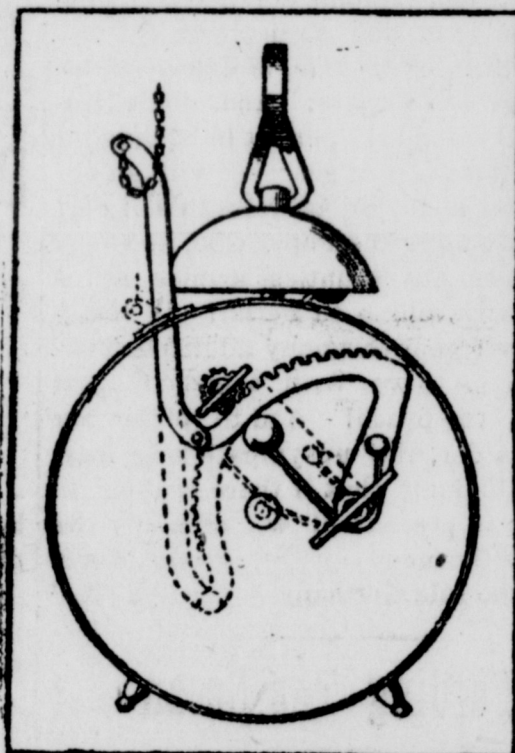


tom part of the sash entirely unprotected. A newly patented device hitches the screen to the bottom of the window sash and makes it a part of the window itself, permitting the housewife to adjust her window and her screen to suit her fancy or the condition of the temperature. The screen is placed on a roller like a window shade. The roller, encased in a metal tube, is fastened to the window sill. With the upper edge of the screen secured to the window when the latter is raised the screen is pulled out just enough to cover the opening and when it is lowered the screen returns to its case.

HANDY ALARM CLOCK

Lever Can be Made to Close Furnace Door in Morning

An alarm clock that will do other things besides awaken people has been invented by a Missouri man. Among the other things it will do is close the furnace door at any hour in the morning and save the man of the house from climbing out of bed before he otherwise need to. On the back of the clock is a pivoted lever and a pivoted segmental arm with a



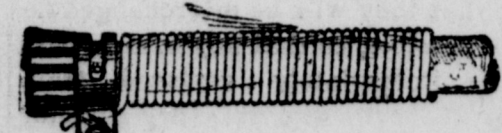
MOVING ARM PULLS CHAIN

row of teeth that register with the cogs of a small wheel. At the appointed time this small wheel revolves and carries down the segmental arm which carries the lever with it. Attached to the top of the lever is a chain which fastens to the furnace door, running through some loop so that its pull on the door is horizontal. When the alarm is sprung, therefore, the lever descends and pulls the door shut. Of course the alarm bell can ring or not, as the owner wishes.

Your Garden Hose

Garden hose most always breaks near a coupling when it reaches the stage where constant wear begins to tell. The life of a line of hose can therefore be somewhat prolonged if some method is found of preventing such breaks.

It has been found that this can be



done by slipping a coil spring 8 or 10 inches long over the hose at the point where the couple is made and fastening the spring to the band around the pipe. The spring prevents the hose from being twisted at too sharp an angle and holds it so firmly that a break is almost impossible.

Decline in Animals

A recent German census of animals shows a decline in five years of more than two per cent. of beef cattle, of more than one per cent. of swine and of almost 25 per cent. of sheep.

Just try
this
Coffee



SEAL BRAND
COFFEE

In 1/2, 1 and 2 pound cans.
Whole—ground—pulverized—
also Fine Ground for Perco-
lators.

172

GRAPEFRUIT CORER

Cuts Out Core and Separates Partitions From Skin

Most of us have dined where grapefruit came on the table a work of art, and almost every hostess nowadays sees to it that this fruit is cored and that the hard partitions are separated from the skin, so that the contents may be easily removed. Ordinarily this is rather a tedious operation, but a Pennsylvania man has

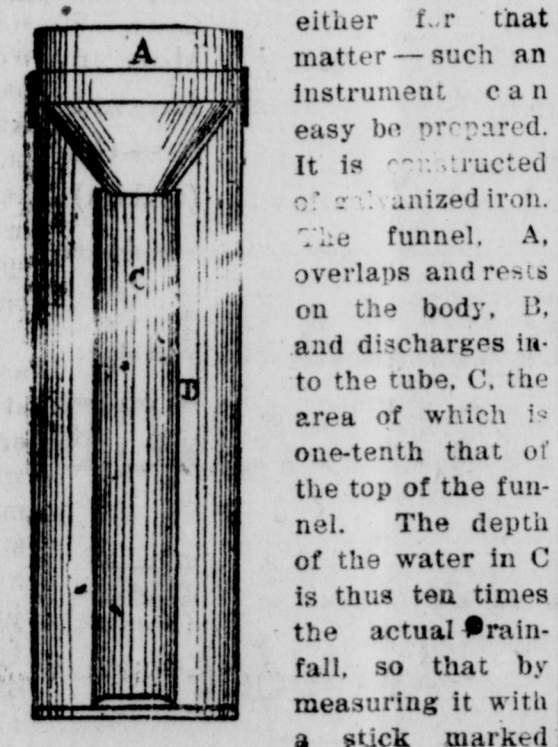


DOES ALL WITH ONE TURN

patented a device which simplifies it greatly. A spiral cutting blade, with a handle, and resembling a corkscrew, has a slot near the top through which an arm slides back and forth. This arm has another cutting blade, a straight one, depending from it. The point of the spiral blade is inserted in the core of the fruit and the arm pushed in or out until the other blade is adjusted inside the rind—the fruit, of course, having been bisected. One complete turn is all that is necessary to complete the job.

Measure the Rainfall

If anyone would like to measure the next heavy rain—or light one



For Sale

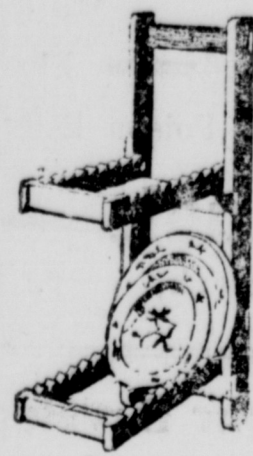
FOR SALE,—Tamworth pigs for sale. Inquire of Charles, W. Turney.

Plymouth, Car. Co.

off in tenths of an inch, we obtain the result in hundredths of an inch. A good size to make the rain gauge is as follows: A, 8 inches diameter; C, 2.53 inches; length of C, about 20 inches. It should be placed in an exposed location, so that no inaccuracy will occur from wind currents. To find the fall of snow, pour a known quantity of warm water on the snow contained in the funnel and deduct the quantity poured in from the total amount in the tube.

Useful Plate Rack

An economist of space sometimes finds great difficulty in securing a place to store dishes and especially plates so that they are secure and at the same time easily accessible. An Englishman has discovered a very handy way of overcoming this difficulty with a folding plate rack



which can be used for storing plates in a very small space in the pantry or in drying them. The making of the plate rack requires but little skill with tools. It should be built in accordance with the size of the plates to be placed upon it, and securely braced. If desired, it can be made to fold up out of the way when the rack portion is not in use.

Ten Big Rivers

There are ten rivers, each more than 1000 miles long, in the United States.

Verdant Ceylon

Of Ceylon's 16,307,840 acres of land only about 2,875,000 are under cultivation.

Cleaning Enamelware

Kerosene will quickly cleanse zinc or enameled stinks, bath tubs and refrigerator linings.

School of Town Planning

A school of town planning has been established by the university of London near that city.

A Strong Wood

Locust has the greatest tensile strength among ordinary woods, 2,200 pounds to the square inch.

Acetylene in Old World

The streets of more than 250 towns in France and Algeria are lighted exclusively by acetylene.

HOW FIRES STARTED

Origin of Huge Bill of Expense For Canada

The Dominion Superintendent of Insurance issued an abstract report of fire insurance business in Canada for 1915, giving an interesting insight into what Canada paid as the price of her indifference and carelessness with fire. In 1915 Canada had an approximate fire loss of \$15,500,000. Fire insurance companies paid out for fire losses \$14,930,298, or approximately \$1,500,000 less than the fire loss. The owners of destroyed property consequently had to bear the latter loss.

Fire insurance companies collected from the people in premiums \$26,530,433, which, added to the margin of \$1,500,000, gives an approximate total of \$28,030,433. This latter figure represents only the actual cash outlay as represented by insurance protection, and value of property consumed in excess of insurance. To this must be added the loss in disruption of business, damage through hasty removal of property, the expense of upkeep of fire departments, extra water supply, private fire protection, etc.

That much the greater portion of this loss may be avoided is shown by a report of the fire chief of Vancouver, B.C., for one month, covering causes of fires in the cases of 35 alarms responded to by the fire department in that city, as follows: Children playing with matches, 2; lamp thrown on stove, 1; chimney fire, 9; overheated stoves and furnaces, 3; unknown origin, 5; electric heater left turned on, 1; smoke scare, 1; backfire in carburettor, 1; grease on stove, 1; defective chimney, 1; hot ashes, 2; spontaneous combustion, 1; gasoline explosion, 1; electrical origin, 2; overheated coal oil stove, 2; defective fireplace, 1; overheated chimney, 1; smoking in bed, 1.

Western Hotelman

Mr. J. V. Henderson, then of the Windsor Hotel, Montreal, was appointed resident manager of the Macdonald Hotel, Edmonton, when the Macdonald was the latest addition to the chain of Grand Trunk hotels. The Macdonald has a magnificent site in the centre of the city of Edmonton, and overlooks the North Saskatchewan River. Mr. Henderson was connected with the management of large Canadian hotel organizations for many years, and is well known throughout Western Canada.

Don't omit treating grain with formalin. It is cheap insurance against smut which sometimes has a habit of destroying grain if a fungicide such as formalin is not used on the seed.

THE DISPATCH.

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TORONTO— — —ONTARIO

PRUSSIANIZING SWISS

German Model Does Not Suit the Free Republic

The sympathies of the Swiss in many cantons of Switzerland continue an anti-German agitation. At Louzanne they held a mass meeting to protest against the "Prussianization" of the army of the republic. The meeting passed resolutions demanding the recall of Swiss officers who were at the different German fronts as neutral observers and the cancellation of all orders for arms and ammunition placed by the Federal Government in Germany. One of the resolutions says in part: "There is a growing tendency among our military authorities to ape the alleged German efficiency and to make our army more and more like the barbarian hordes of Germany which are detested throughout the world. This cannot be tolerated. If our military system really needs improvement the French army must be taken as our model. There is no necessity for buying German guns and shells, as we can manufacture them ourselves or get them cheaper and better from France. Our representatives in the Federal Council are requested to demand that the contracts of our army administration with German firms be cancelled at once."

IRISH VS. PRUSSIAN

Amusing Story of Love For France and Wife-beating

A good story by the late Mr. A. M. Sullivan, M.P., may not inaptly be reproduced at this period. During the Franco-Prussian War of 1870-1 the people of Ireland were most enthusiastic in their support of the French, and many hundreds of Irishmen went to the French army. So intense was the feeling in Dublin that when a French defeat was blazoned on the placard boards outside news agents' shops on several occasions irate citizens were known to kick the boards to pieces.

It was during this period of excitement that Pat Malone was brought before the stipendiary for assaulting his wife. Pat pleaded provocation, and the stipendiary told him to tell his tale. "Well, your worship," said Pat, "I went home solid an' sober, an' the wife started to nag because I was late for my dinner. She called me 'a lounin' moucher'; I stood it. She called me 'a renegade' an' a 'traitor,' an' she threw the taypot at me. I stood all that. She said I was an 'apostate,' an' a 'scallywag,' a 'ruffian,' an' a 'thief,' an' even said I'd rob a poor-box if I got the chance, an' I stood it all, yer worship. An' then, sir, she ups an' calls me a 'blighted Prussian!' An' sure, flesh an' blood couldn't stand that, so I gev her a skelp or two of mi fist!"

War-time Critics

Mr. Churchill's attack on Mr. Balfour reminds one of a remarkable incident which occurred during the South African War, when the late Mr. Chamberlain was unexpectedly attacked with much severity by a member of his own party. The House of Commons waited eagerly for the reply, for the Colonial Secretary ever paid back in the fullest measure. In due course the Minister rose and he adjusted his monocle. He looked at the member who had dared to use a rapier. Then in a tone of withering contempt he said, "Mr. Speaker, now that the honorable gentleman has relieved his feelings I trust he is more comfortable." That was all, but it was enough.