the house painter's work is to paint fore they have had to work carefully



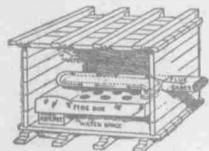
Ruler for Painters.

along the edge and fill in later. A New York man has invented a device are two stout iron rollers, covered which he calls the painter's timesaver, and which is in reality a ruler to guide the brush and prevent the smearing of anything over the line to be followed. The device is a piece of metal with a wide, straight edge and legs at the other end. The elevation affords room to hold it in the hand The ruling edge is held along the edge of window such or door jamb and the workman can paint along it rapidly without fear of consequences. The implement must be pressed down tight, so no paint works its way beneath. For people who like to do their own painting one of these rulers is almost indispensable.

USE WOODEN STEAM BOILERS

Assertion Seems Incredible, Yet They Were Made and Used as Recent as 1817 on Bost.

Steam bollers made of wood! It sounds incredible, and yet such boilers were formerly made and used. Even as recently as 1817, a steamboat plying between Norwich and New



Wooden Steam Boller.

London, Conn., was equipped wooden boilers, and the reason that they burst under "extreme" pressure was attributed principally to the fact that they had no "condensers, safety valves, or balance wheels." From 1801 to 1804 there was a wooden botter in service at the Center Square water works, Philadelphia. A partial view of this boiler is shown herewith. The ash pit, fire box and flues were made of iron, but the inclosing box, in which the water was contained and the steam generated, was of wood. The steam pressure used was very little above that of the atmosphere, but the difficulty of pro-enting leaks even with this small pressure led to the early abandonment of wood as material for steam bollers.

Ticket Printing Machine.

Railway ticket printing machines are shortly to be installed at a Birmingham (Eng.) station. The booking clerk, when requiring to issue a ticket to any station, takes a blank card, places it in a slot in the sliding carriage, and moves it along until the pointer is opposite the alphabetically arranged name of the required station. He then depresses a handle, and the ticket drops out, printed with the names of the Issuing and destination stations, price, date, consecutive number, class, etc., while an automatic register of the operation is made at the same time.

Coating With Metal.

A new method of coating various substances with metals, the invention of a Swiss engineer, consists in reducing molten tin, sinc, copper, lead, aluminum, or other metal or alloy to ing mentioned by Plato and Pliny. a state of pulveritation by pressure of an inert gas-nitrogen or hydrogen -and in that state driving it against the surface to be covered from a flexthie tube with a tip like that of a large vaporizer for liquids.

Paper Mills in India.

Paper mills in India have not been has to be brought from long distances and the cost of freights eat up the table fibers. profits. Ludia's import of paper and pasteboard in 1910 fiscal year was of the value of \$3,284,960. Bamboo for cabs because the rear whoels do the paper making there is suggested.

POOL AND BILLIARD TABLE

Frame is Adjustable to Different Dimensions and Has Provision for Bide Pockets.

A Pennsylvania man has invented combination pool and billiard table that is nothing less then startling in its mutability. The same article can be used not only for bothpoul and blilards, but it can be used on floor or table and, finally, can be folded up and stood in a closet when not wanted. All these things are made possible by the fact that the bed of the table One of the most difficult parts of Is a single strip of heavy rubber that when stretched taut along the bottom the edge of woodwork abutting wall of the frame provides a firm, level paper, windowpane or floor. Hereto surface. The frame is adjustable to different dimensions and has corner. also provision for side pockets, Furused in the house or out of doors, on with the chearful smile. land or on water, and when not in

COMBINED CROWBAR-TRUCK

Used in Sets of Three for Maving Heavy Loads About-Quite Usefut In Tactories.

A combination crowbar and truck has been invented for moving heavy articles about in workshops, factories and warehouses. While the articles can be used separately, they are us ually employed in sets of three, as for the load and expedite its handling in something of a panic. At the end of a long, strong handle with an iron casing, with a spike set near the tip. This spike prevents the



Crowbar Also Truck.

load from slipping, and yet is to short to do any damage. The truck-crow bars are inserted under the object to be moved and by bearing down on the handles the load is lifted clear of the floor and can be wheeled to any point desired. Articles weighing three or four tons can be trundled about on these trucks as easily as an ordinary packing case. Even in shops equipped with traveling cranes these imple ments will be useful.

Dirty Windows Exclude Light. cent, of the light.

Buenos Aires Is the largest hide and

wool market in the world. Ninety-seven American manufactur ers have agencies in Madrid.

Tokio, Japan, intends to spend near ly \$16,000,000 on drainage works. introduced into Canada by Germans. Sandstone will absorb a gallon or

A large Hamburg restaurant is

paper.

oil just before filing.

At a recent gem exhibition in London there were shown blue, pink and aquamarine diamonds.

Sheet aluminum makes better vise laws for handling soft metals than either brass of copper.

So-called burglar proof glass, made n France, withstands revolver bullets and blows from a maliet

Approximately one-third of the world's supply of copra now is being produced in the Philippines.

Lime was one of the earliest materials used to improve the soil, be just got back." For the first times in the history of the industry in that state Ohlo mineo

year. In a stone arch bridge recently built in France molten ainc was used to bind the stones together instead of ce

Light but strong waterproof paper very profitable, as the raw material that successfully imitates leather and rubber is made in Japan from vege-

London requires taximeters to be connected to the front wheels of taxtmost slipping.

In the Night Watches

By MABEL C. ENGLAND

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"Holy smoke!" he muttered "she'll

his dressing table he saw the note.

many times he had made Ina do it.

stairs, a delirious determination to

find her dominating every other emo-

tion. To his amazement the hall door

stood wide open. On the top step was

Ins, her back to him gazing wildly up

and threw her arms around his neck.

"Oh, Jimmy, Jimmy," she sobbed

"where have you been? I've been

"Waiting!" he gasped, "I've been

"You didn't come in. I was watch-

"I didn't go out," he interrupted. "I

The door shut, Ina sunk down on a

"You-you were watching upstairs,"

"Yes, that's where I went every

night. Then when I heard you come

He Was Born Because He

Loved It.

The love of the Irishman for his

home is one of his well-known traits,

and in "Ireland Yesterday and Today,"

Mr. Hugh Sutherland gives a pleasant and yet pathetic instance of that de-

votion. He was traveling in the west

of Ireland, and was rather astonished

to find the third-class compartments

crowded with sturdy-looking men. At

a junction station a broad-shouldered,

him as to the reason why so many

away since April myself, and there's

a bit of bacon an' that for the win-

"But what do you go to England

"God save you, sir, an' do you think"

we go to England because we like it?

if so be we'd get food an' clothes an'

go because we have to, to get the

"Then why not go to England alto-

The big man turned and looked over

the hills were indistinct, but we could

"Twenty miles on," he said, "there's

anywhere else? It's a rough place at

Gourmet's Idea.

is the proprietor of a brandy of which

"After that, sire, talk about tt."

The French statesman, M. Monie,

for? Why not stay on your own farm

"Sure, sir, we've all been over in

in I stole up, banged the door and-

watching in the basement, and-

Jimmy had her in his arms.

it feels like."

were traveling.

and work that?"

money we need."

wanted to find out-Ina, come inside.

ing. I never took my eyes off the

waiting for you for hours!"

waiting for you. Where-"

Mr. Jimmy Lanning stepped out of | "To think," she giggled, "that he his friend's studio and called back a bas never once suspected. And it's jovial goodnight to the group of choice waking him up with a vengeance." spirits there congregated and turned. It was half-past one when Mr. Lanhomeward. It was midnight when he ning awoke. He crept to the window reached his house and as he carefully, and examined his watch by the light inserted the key in the lock he of a street lamp, breathed a hopeful prayer that this places that are inserted for hilliards time his wife of a year had not wait- be all up in the air. Let's hope to and removed for pool, when pockets ad up for him. Of late he had formed goodness she's asleep!" He crept are adjusted at the corners. There is an unregenerate habit of spending softly into the hall, still more softly two or three evenings a week away up the stairs, turned the handle of the thermore, the cue is adjustable to dir. from home, though Ins never re- bedroom door and slipped in. All was ferent lengths. This table can be proached him, and invariably met him silent, the bed undisturbed, and on

As he entered the darkened hallway use can be stood up out of the way. he heaved a sigh of thankfulness. All-For floor playing a ball attachment is was still. For the first time in their, had been to go to sleep. And where fastened to the end of the cue. Year together there was no soft little could she be at this hour? He opened rush from the den upstairs, no dimpled face thrust over the banister to sign of life anywhere. He paced up greet him. Yet such is the incon- and down in a fury, leaned from the sistency of man that once an oddly window at about every fourth turn. neglected feeling seized him. The His mind was chaos. Visions of acciknowledge that Ina could have at last dents haunted him. All sorts of imgrown so indifferent as to go peacefully to bed and to sleep while he was his brain. The minutes passed. Two still straying happily in the outer o'clock came-two-thirty. He mopped darkness of the night came to him

with something of a shock. He opened the bedroom door softly. The bed had not been disturbed. He passed into the dressing room. On they thus preserve a better balance the bureau lay a note. He seized ft

> "I have gone out," he rend. "I may be late. Don't wait up." "The deuce!" he muttered, even as

he breathed a gusty sigh of relief. At and down the street. As he stepped any rate it wasn't a tragedy-or a out she turned with a little shrick scandal. But what the dickens-Gone where?

At that moment the hall door 2losed sharply. Light footsteps mounted the stairs. A moment later Ina swept into the room, neck and shoulders gleaming in her prettiest gown, eyes sparkling, cheeks flushed like a rose.

"Where have you been?" demanded Inn's lord. "Out amusing myself," returned Ina dippantly. She came over and kinsed I nearly went crazy upstairs, waiting," him. "Poor boy," she cooed, "have The door shut, Ina sunk down on a you been waiting long? I told you chair.

to go to bed." "I want to know where you've been," persisted Jimmy doggedly. "Do I ever ask where you've been?"

"Yes, that's different," mimicked Jimmy sat still, morosely regarding

"No, but that's different."

her. "I haven't done anything to bring discredit to the sacred name of Lanning," she informed him, "If that's what you're afraid of. But I'm not going to sit around here like a silly dummy while you go off and have fun-I'm going to have some myself."

In the days that followed curiosity and suspicion tortured Jimmy. The thing happened twice again in the next week, but never could he force from Ina the latest inkling of where she had been.

The third time he found the explanatory note on his dressing table he A German professor has ascertained turned and went swiftly downstairs that in industrial cities windows which again, determined to watch for her have not been washed for ten days ex return and discover what he could, clude from 35 to 48 per cent. of the but just as he he turned the corner of light. If not washed for four weeks, the stairway Ina closed the hall door, they may exclude as much as 80 per | He thought that she looked distinctly startled and somewhat confused. He strode to the door and threw it open. No one was in sight.

"Where have you been?" he demanded, angrily, "and with whom? I insist on knowing."

"Really? Well, if you must know where I am in the evenings, Jimmy dear, you'd better stay at home and find out."

Stay at home and find out. That gave him an idea. To tell the truth his convivial evenings abroad were beginning to lose their zest now that his subconsciousness was robbed of the peaceful picture of his wife sitting at home in dreamy adoration, eagerly Stoves burning alcohol are being waiting his return. He was apt to la it likely we'd leave our own farms grow morose and depart early. For Jimmy loved his wife sincerely in his rent by stayin'? Bad luck to it, we more of water to the cubic foot of man's way. Relations began to grow strained between him and lns.

A few nights later he announced housed in a building of compressed that some of his old classmates were gether?" having a reunion and that he would A file may be kept from filling up be late getting back, kissed Ina, with lead by applying a coat of this tramped down the stairs and banged the hall door. A moment later he slipped into the darkened reception still see the empty land and feel its room on the right, drew a chair to the rugged unkindness. Yet the man's window facing the street and sat down, voice was very tender as he spoke.

> muttered, "but, by Jove! I've got to a bit of a cabin and a bit of land. in know where she goes." The minutes passed. Nine o'clock my father worked. Is it like, now,

"Low down trick to apy on her," he

came-ten-ten-thirty. No sound came that I'd leave it to live in England or from upstairs.

fooled that time. Well, she won't go got can dig a living out of it. But, out this late. Might as well go to God be good to me, I love it, sir."sleep till midnight and then let on 1 Youth's Companion.

He threw himself on a couch and

promptly slept. In the meantime Ins, lounging commore than 39,000,000 tons of coal last fortably in an easy chair upstairs, pe- he is very proud. The story goes that rused her novel till the clock struck once when King Edward and the late eleven. Then she rose, slipped into General Galliffet were dining togethher dressing room and commenced an er. Monis brandy was served, and elaborate evening toilet. About a King Edward drank his portion off at quarter to twelve, fully arrayed, she one gulp, Galliffet, connoisseur, stared, drow a graceful evening wrap about "Sire," he exclaimed, "you have comher, slipped softly down the back mitted a crime!" King Edward laughstairs, then down another flight to the ed. "Why?" be asked. "Brandy like basement, drew a comfortable wooden that," was the reply, "should be savrocker to one of the windows, which, ored. You should lift it gently, pass as in so many New York houses, were it under your noss, snjoy the aroms, on a level with the street, ensconced and then put it back on the table. himself with a good view of the em "And after that?" the king said trance, and waited.

CARE OF LEATHER FURNITURE | FORUM

Mixture of Vinegar, Whites of Eggs and Turpentine Makes Good Cleaning Compound.

The cleaning of leather upholatered furniture is a question that concerns almost every bousewife, for those who do not possess one or more pieces of the padded leather kind have at least the leather seated diners, that require refurbishing three or four times a year.

In preparing to clean such a piece it is best to have the necessary musterials at hand, so that the work can he finished at once and without risk of injuring the furniture, as there would be a liability if the different operations of the work were not done in rapid sequence.

Procure three large also cheesecloths, a basinful of tepid or nearly warm water, to which has been added a little vinegar, say a tablespoon ful, and a mixture of the whites of two eggs and a half plat of turpentine. The mixture is best made by Dismay gripped him. Then she had first be ting the eggs to a froth and gone out after all! What a fool he placing it in a bottle before the turpentine, and then before each application it is well shaken in the bottle.

the window and leaned far out. No Large pieces of leather turniture are gone over in sections, first with the cheesecloth, which has been dipped in the warm water to which has been added the vinegar, and then after being carefully wiped with a possible explanations surged through dry cheesecloth, it is pollshed with a cheesecloth or chamois lightly satthe perspiration from his face. Jove! urated with the egg white and turpentine mixture, after this the article is If this was what it meant to wait for carefully wiped dry with other cloths. people the Lord forgive him for the Seats of the dining chairs can be done one at a time with case. At three o'clock he strode down the

Any leather covered article, such as seat pads and even go-carts, not leaving out the dull calf or gunmetal shoe, can be renovated after a fashion by the same process, and shiny leather thus treated will admit of a polish more readily than before it is applied.

USE OF RICE AS VEGETABLE

Flavor May Be Constantly Varied by Cooking Gereal in Essence of Vegetables.

door for a minute. You didn't come in!" she persisted. "How did--" Wash the rice thoroughly, rubbing the grains between the hands and using many waters, until all starchiness disappears. Then let the rice soak in cold water for at least 15 minutes-longer if possible. Cut three or four large carrots in long, thin strips, as for soup, and boil them in she giggled hysterically, "and I was one quart of water until it is reduced to a pint. Then throw away the car-"The basement!" exclaimed Jimmy, rots and use the water, which will contain their essence, to cook the rice. Melt one tablespoonful butter in a double cooker, placing it, for the time being, directly over the fire, and let the rice fry in it for a few min-"You blessed little schemer!" he utes until it shows a tendency to whispered, kissing her frantically in brown, stirring constantly. Then add his relief, "I'll never leave you alone the water in which the carrots were again a minute, now that I know what cooked, one teaspoonful of curry powder, and salt and cayenne pepper to suit the taste. Place the rice cooker TRAIT OF AN IRISHMAN in its proper vessel and let it cook until all the Hould is abso Man Wouldn't Leave the Home Where the rice is well done. Test the rice by pressing a grain of it between the thumb and finger. If it crushes readlly, it is sufficiently cooked.

The essence of any vegetable, se cured in the same way as that of the carrots described in this recipe, may be used for cooking rice as a vegetable, and thus the flavor may be constantly varied.

ANTI-DRIP STRAINER



not drip has been invented by a Wisconsin man. The device consists of a small metal cup with a spout that, normally, is some what higher than that of the coffee

pr tea pot. The cup is attached to the pot by a strong wire clamp. Inside of the sup and shaped to fit it is the strainer proper of fine wire mesh. The device is attached to the pot by means of a strong wire clamp and when the coftoo or ten is poured the drippings fall into the cup of the strainer.-Popular Mechanics.

Cocoa Cake.

Cream one-half cup butter and one cup sugar, add beaten yolks of two eggs and beat well; mix one and onethe desolate country. The winter duck half cups flour, one and one-half teawas falling swiftly, and the outlines of spoons baking powder and two teaspoons of cocoa thoroughly. Beat whites of eggs stiff, measure one-half cup milk and then add a little milk and flour mixture alternately to the egg mixture. Lastly add whites of eggs and one teaspoon vanilla. Bake that cabin I was born and on that land in shallow pan about 20 minutes and frost with the following:

Plain Cocoa Frosting.-Mix one-half tempoon cocoa with one cup pow-"Confound it!" muttered Jimmy. "Got the best, and not all the muscles I've dered sugar, add one tablespoon lemon juice and one tablespoon boiling water, or enough to mix the sugar into a paste. That settles to a level the moment you stop stirring. Spread at once on hot cake.

The Use of the Broom,

Few people handle a broom properly, afthough accustomed to its use every day of their lives. Always draw your broom by leaning it forward, because this allows the dirt to be moved along more gently and will not raise much dust. Most sweepers thrust the broom ahead of them in a sort of digging way, with the handle toward the aweeper. This breaks the broom, wears out the carpet, filrts up dust and makes the aweeping much mop

By Lydia E. Pinkham's Vegetable Compound



trouble in all its dreadful forms; shooting pains all are addul forms; abouting pains all over my body, sick headache, spina? weakness, distress, depression, and everything that was horrid. I tried many desired in different many doctors in different parts of the United States, but Lydia E. Pinkham's Vegeta-ble Compound has

done more for me than all the doctors. I feel it my duty to tell you these facts. My heart is full of gratitude to you for my cure."—Mrs. HARRIET E. WAMPLES, 528 S. Bansom Street. Itumwa, Iowa.

Consider This Advice. No woman should submit to a surgical operation, which may mean death, until she has given Lydia E. Pinkham's Vegetable Compound a fair trial.

This famous medicine, made only from roots and herbs, has for thirty years proved to be the most valuable tonic and invigorator of the female organism. Women residing in almost every city and town in the United States hear willing testimony to the wonderful virtue of Lydia E. Pink-ham's Vegetable Compound.

Mrs. Pinkham, at Lynn, Mass invites all sick women to write her for advice. Her advice is free, nfidential, and always helpful



IN GREAT TEMPTATION.



Aunt Dinah-Ephrum, dat ole Cunnel Leigh is got some of de fines', mos' lubly young turkeys I eber sot my blessed eyes on. Dat am a fac'l Uncle Ephraim-Yaas, honey, dis chile knows it. An' I on'y got 'ligion two weeks ago! An' jes' two days befo' Thanksgibbin! Dinah, I'se mighty 'fraid I's goin' to be a backsilder, shush as yough bohn!

Grandfather's Fault, Father-Why, when I was your age I didn't have as much money in a month as you spend in a day. Sen-Well, pa, don't scold me about Why don't you go for grandfather?-Silent Partner.

> A SPOON SHAKER. Straight From Coffeedom.

Coffee can marshall a good squadron of enemies and some very hard ones to overcome. A lady in Florida writes: "I have always been very fond of

good coffee, and for years drank it at least three times a day., At last, however, I found that it was injuring me, "I became bilions, subject to frequent and violent headaches, and so very nervous, that I could not lift a spoon to my mouth without spilling a

part of its contents. "My heart got 'rickety' and beat so fast and so hard that I could scarcely breathe, while my skin got thick and dingy, with reliow blotches on my face, caused by the condition of my liver

and blood. "I made up my mind that all these afflictions came from the coffee, and I determined to experiment and sea. "So I quit coffee and got a package

of Postum which furnished my be morning beverage. After a little I was rewarded by a complete, tion of my health in every,

"I do not suffer from bij more, my headaches ha my nerves are as aldesired, my heart. my complexion. fully-the bly and it is again.".

steries in good, the sowing of _ seed on the por-

Continued on page 5

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oity Sexton.