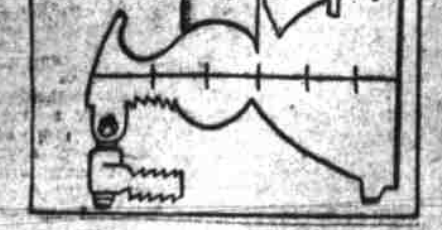


SCIENCE AND INVENTION

ADJUSTABLE T-SQUARE

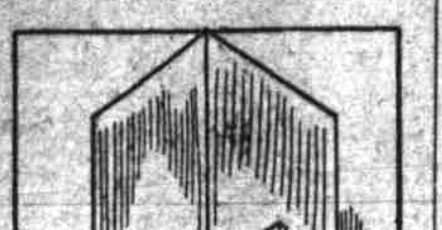
That very useful and indispensable instrument of the draftsman and artist.



T-SQUARE QUICKLY ADJUSTED

But the T-square has never been improved upon its original form, but remains practically the same as when originally designed. That it is susceptible of improvement is demonstrated in a recently patented device of a Philadelphia man...

ually be done away with if householders universally adopt the convenience recently patented by a Missouri man. It is called an ice card. Its purpose is to designate to the ice-man the quantity of ice required that day, doing away with the custom of having the driver about his interrogation over the back fence. It is very simple in form, comprising a pivoted card which moves in front of an indicator. Printed on the card are the figures 1 to 15, designating the different quantities up to 100 pounds. The householder merely sets the indicator by moving the card around until the pointer registers with the quantity he desires. Besides doing away with the necessity of the householder being on the lookout for the ice-man the latter also

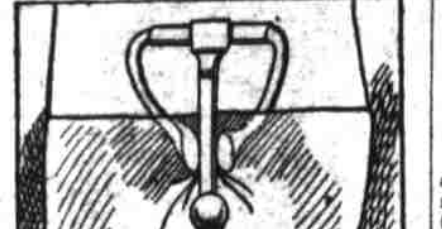


INDICATES QUANTITY OF ICE

saves considerable time, as he does not have to wait for an answer. Angles of other degrees can also be made by adjustment, but these must first be determined and the ruling edge set. They are then clamped in position by a thumb-screw. Such an instrument should prove a valuable time-saver to the draftsman, especially in cases where numerous parallel lines on an angle are to be drawn.

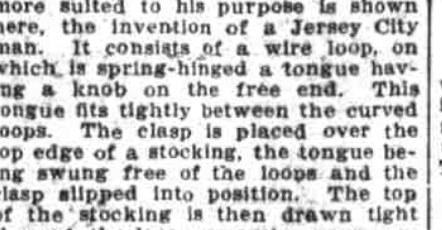
TOOL USEFUL FOR ALL PURPOSES

useful for almost any purpose required.



NEW DESK CHAIR

A South Dakota man has devised a desk chair, which is handy for use in the home or in small schools. It consists of an ordinary straight-back chair, with an adjustable flat surface supported on an adjustable base. The flat surface, or writing table, is fastened to the top of the chair and can be widened or constricted as desired. The base, or support, sets on the back of the seat, and can be lengthened or shortened. When not in use the writing table can be folded in close to the back of the chair, and when needed can be fixed at any angle required. The writer, of course, needs another chair to sit upon, but the advantage of the desk-chair is its economy of space. The device will be found useful in small schools, as it can be made to sell for a low price. Such chairs would also be found convenient in homes where there are several children who have lessons to do at night.



HANDY FOR CLOSE QUARTERS

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AWAY WITH THE HOD

A man in Ohio has patented a device for carrying bricks by hand that is in several ways superior to the old method, and is an advantage to both the employer and the workman. This device consists of a clamp made

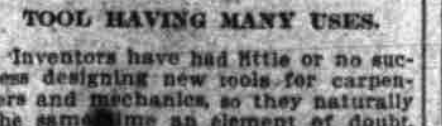


TO CARRY BRICKS BY HAND

of two parallel iron bars, with jaws at either end and slots in the sides. This clamp is set down over a row of bricks and locked with a bolt through the slots, so that the bricks are held firmly by the jaws. The clamp also has a handle, by means of which the load may be picked up and carried about as one would carry a dress suitcase. The advantages of this device are several. In the first place, it weighs much less than a hod and will carry more bricks. In the second place, if the bricks are placed in a line by another man the carriers can, with their clamps more rapidly, providing they will do so. In the third place, the workmen need not bruise and skin their hands by handling the bricks. On building operations where ladders must be climbed, however, the hod appears to have an advantage, as it leaves both hands free.

SCHOOL ROOM FURNITURE

Few parents realize how uncomfortable are the desks and seats provided for children in public schools or they would endeavor to influence the directors to substitute others of up-to-date construction and designed with some idea of assuring ease to the pupils while working. A combined desk, chair and receptacle designed along the proper lines is shown here, patented by an Alabama man.



ADJUSTABLE TO DIFFERENT HEIGHTS

The desk is adjustable, so also are the chair and the receptacle, the latter providing a convenient place at the side of the chair on which to place books, papers and similar articles. Both desk and the chair can be adjusted to accommodate children of varying ages. All three of the parts are connected by iron bars, so that they can be easily separated after once adjusted.

TOOL HAVING MANY USES

Inventors have had little or no success designing new tools for carpenters and mechanics, so they naturally have turned to the invention of a Kansas man. Its uses are many, among which might be mentioned its employment as a nail-puller, bottle opener, screw driver, pipe wrench, can-opener, gas pliers, foot nailer, hatchet, etc. Instead of lugging a kit of tools with him each day, the carpenter need carry but one or two

ICE CARD HOLDER

The old familiar cry of the ice-man: "Ice? Not 'til up!" will eventually be done away with if householders universally adopt the convenience recently patented by a Missouri man. It is called an ice card. Its purpose is to designate to the ice-man the quantity of ice required that day, doing away with the custom of having the driver about his interrogation over the back fence. It is very simple in form, comprising a pivoted card which moves in front of an indicator. Printed on the card are the figures 1 to 15, designating the different quantities up to 100 pounds. The householder merely sets the indicator by moving the card around until the pointer registers with the quantity he desires. Besides doing away with the necessity of the householder being on the lookout for the ice-man the latter also



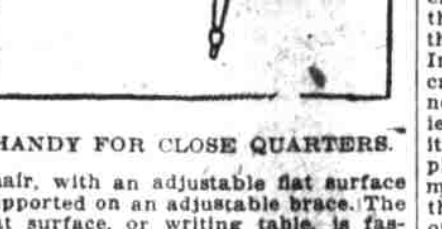
CORD WINDS ON DRUM

the picture in the exact spot desired. This eliminates the nuisance of removing the picture from the wall and re-tying the cord several times before the right length is finally determined.



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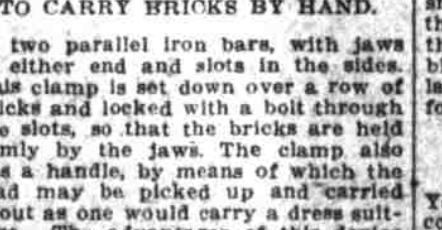


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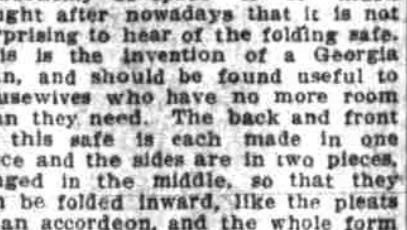
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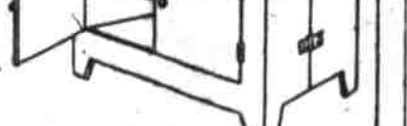
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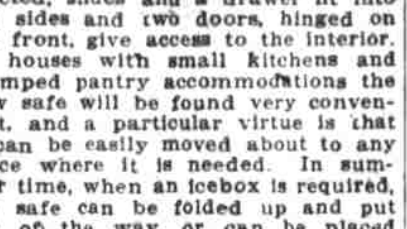
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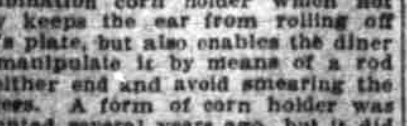


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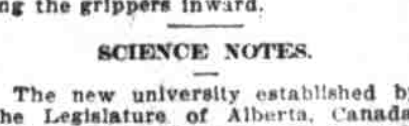
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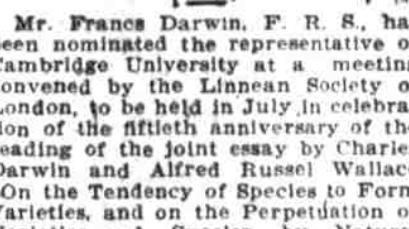
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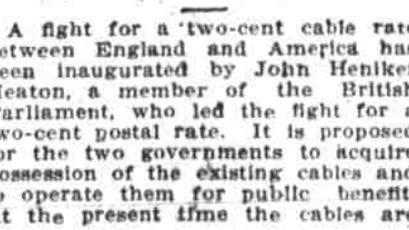
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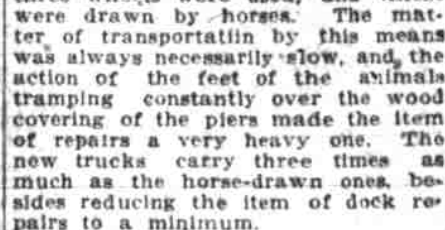
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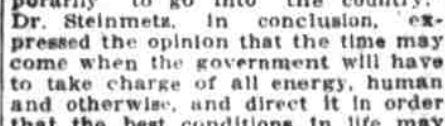
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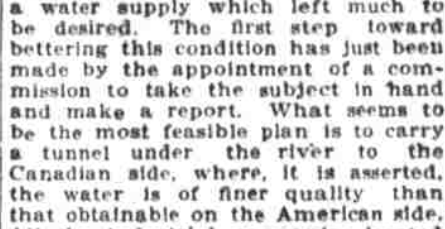
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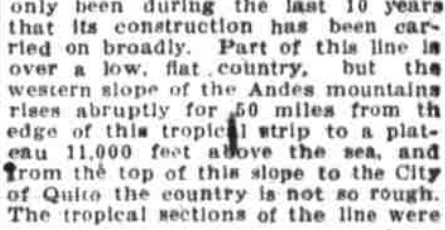
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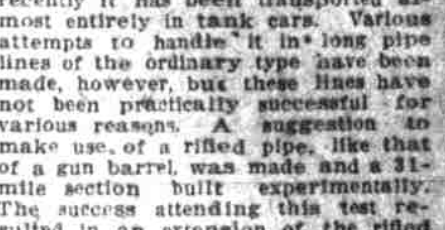
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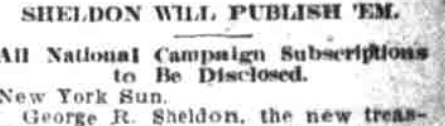
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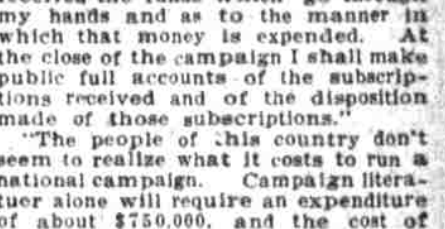
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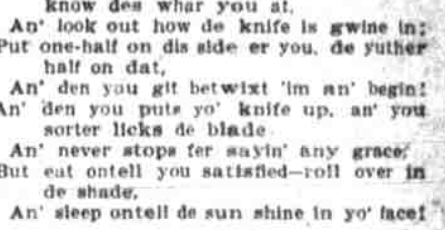
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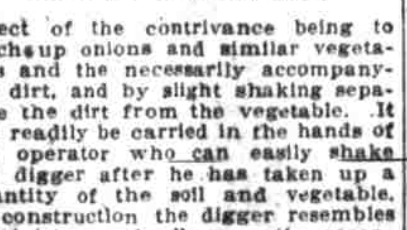
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WOODWORKING CLAMP

A woodworking clamp especially valuable for gripping and holding curved sections of woodwork is shown in the accompanying illustration, the



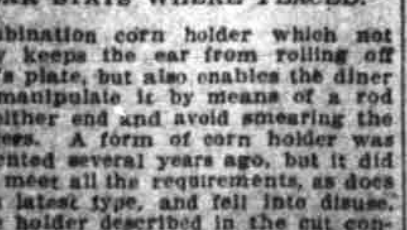
CLAMPS CURVED SECTIONS

Invention of a Michigan man. The clamping of straight sections of woodwork has never proven difficult for the cabinet-maker, but the joining of curved pieces invariably presents problems difficult of solution. With the aid of this adjustable clamp curved sections can be glued and clamped just as readily as straight pieces and are held with the ordinary clamp. The grippers are formed with curved surfaces so that they will conform to the curve of the woodwork. These grippers are manipulated by a clamp screw in the center of the device. By turning the clamp screw the top of the levers carrying the grippers are forced outward on pivots, thus forcing the grippers inward.



PORTABLE AND SAVES ROOM

A flat surface. When the safe is erected, slides and a drawer fit into the sides and two doors, hinged on the front, give access to the interior. In houses with small kitchens and cramped pantry accommodations the safe can be folded up and put outside under a shed.



UNIQUE VEGETABLE DIGGER

Something new and novel in the way of vegetable diggers has been devised by a Kentucky farmer, the

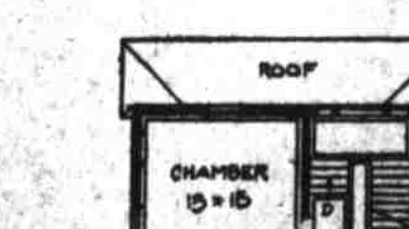
UNIQUE VEGETABLE DIGGER

object of the contrivance being to catch up onions and similar vegetables and the necessarily accompanying dirt, and by slight shaking separate the dirt from the vegetable. It can readily be carried in the hands of the operator who can easily shake the digger after he has taken up a quantity of the soil and vegetable. In construction the digger resembles a miniature wheelbarrow the receptacle forming the body, being made of sheet metal containing innumerable perforations. At the front or small end of the receptacle is a swinging door, beneath which is a small shovel. In operation the digger is used as a shovel in lifting the vegetable and the surrounding soil. The digger is then shaken separating the vegetable from the soil and allowing the latter to pass out through the perforations.



COB CORN LOSES TERROR

Through the ingenuity of a New York restaurant man, corn on the cob may now be eaten without annoyance. This man has devised a



COB CORN LOSES TERROR

combination corn holder which not only keeps the ear from rolling off one's plate, but also enables the diner to manipulate it by means of a rod at either end and avoid smearing the fingers. A form of corn holder was invented several years ago, but it did not meet all the requirements, as does this latest type, and fell into disuse. The holder described in the cut consists of a trough, a little longer and wider than an ear of corn and with slots along its walls. Two rods, with knobs by which to hold them, are thrust into the ends of the cob. When eating the corn the cob can be held by these handles, and when the kernels are done it can be placed in the trough without fear that it will roll off the plate and leave a track



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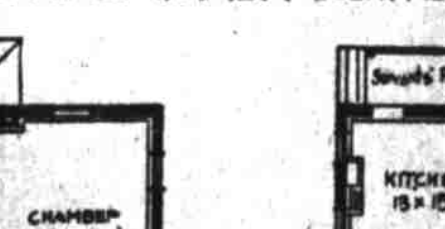
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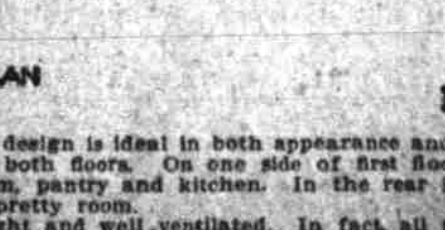
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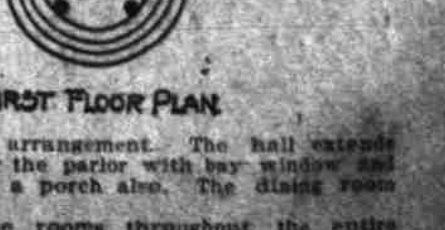
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WATERMELON DIRECTIONS

When you slice a Georgy melon you must know how to do it. An' look out how de knife is gwine in; Put one-half on dis side er you, de futher half on dat, An' den you get betwixt 'im an' begin; An' den you get betwixt 'im an' begin; An' sorter licks de blade. An' never stops for sayin' 'an' grace; But eat ontell you satisfied-roll over in de shade. An' sleep ontell de sun shine in yo' face!

WATERMELON DIRECTIONS