TOOKOS STUDY SPORTS

BIGGEST LITTLE PAPER IN THE WORLD

HUMOR PLAY WORK

:. : CREPE PAPER MILLINERY :: ::



For warm summer days and a cool frock this hat of orchid colored crape paper was designed. The brim rolls can also be bought ready made.

fust enough to shade the eyes, thus

An Unusual Trimming making it quite wearable for sunshiny

apart all around. Then sew the paper figure 6. so the shape and take out the pins.

ANSWER TO

YESTERDAY'S

PUZZLE 13:

the center and stretching it lightly with a colored wreath, though the one honey, would you?" along the line, so that it will fit tone hat is prettier. "I guess not." lat

lining in place. You probably have a lining in an old hat that can be taken to have around, but you have to out and used over again. Hat linings stand them when you live out like

An out-of-the-ordinary and artistic trimming for this hat may be made of First, select the buckram shape, and plaited fan-shaped forms in the same find a job this summer. I want like then cover it with the plain crepe shade of orchid. To make these, pur- everything to make some money to paper of an orchid shade. To cover chase a fold of accordian plaited crepe go into town to high school next year. the crown, cut a circle from the paper and cut forms like the one in crepe paper about an inch larger than figure 3. Gather this in at the bottom. its circumference. Place this on the making a fan shaped leaf form. Twist crown and pin it in at the sides, plait- those onto a light wire, thus making a ing in the fullness the same distance wreath similar to the one shown in fully. "Here's something to put on

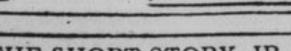
This same model can be worked up it feel any better?" Cut a strip of crepe paper crosswise | nicely in an American Beauty shade. of the grain and wide enough so that It is also a good model for an all It will cover both sides of the brim. white hat to wear with a white cos-Pin this to the frame, plaiting in at tume. Or it may be made in white

smoothly to the shape. Be careful not Don't forget that these crepe paper "But speaking of honey, we haven't to pull too tightly, but just enough to hats may be waterproofed with the had some for quite a while. I wish make it fit nicely. Sew the paper liquid varnish. A hat finished in this you'd go over to Mr. Wiles' place and firmly to the frame and remove the manner will last you through an entire get some sometime soon." summer. And you can save the

Now sew the crown and brim to- buckram shape and make another Harlin. "He says he hasn't time to gether neatly. Then sew or paste a pretty hat next summer. USE THE LETTERS GIVEN TO MAKE A TITLE FOR THIS PICTURE

citedly. 'T'll go over and get him to let me have all those beehives. And I'll find out all about keeping bees. And just think! This house is on the main road to the city. Automobiles passing all the time. I'll put up a sign: Honey for Sale, and there's my money for school"

"I guess," said his mother approvingly, "that the lump on your head must be one of those bumps of knowl-



THE SHORT STORY, JR.

The Knowledge Bump



head looks about Harlin grinned painfully. "Egg nothing!" he said. It feels as big

"It is nice out here," said Harlin, 'but sometimes I wish we lived closer in town. Then maybe I could and there aren't any jobs out here

that pay anything much.' "I know," said Mrs. Baker regretthat bump of yours. Does that make

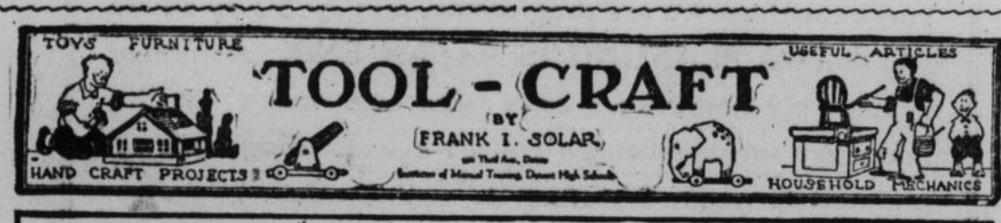
"Sure," said Harlin gratefully. "You wouldn't think such a nasty little thing could make such sweet stuff as "I guess not," laughed his mother.

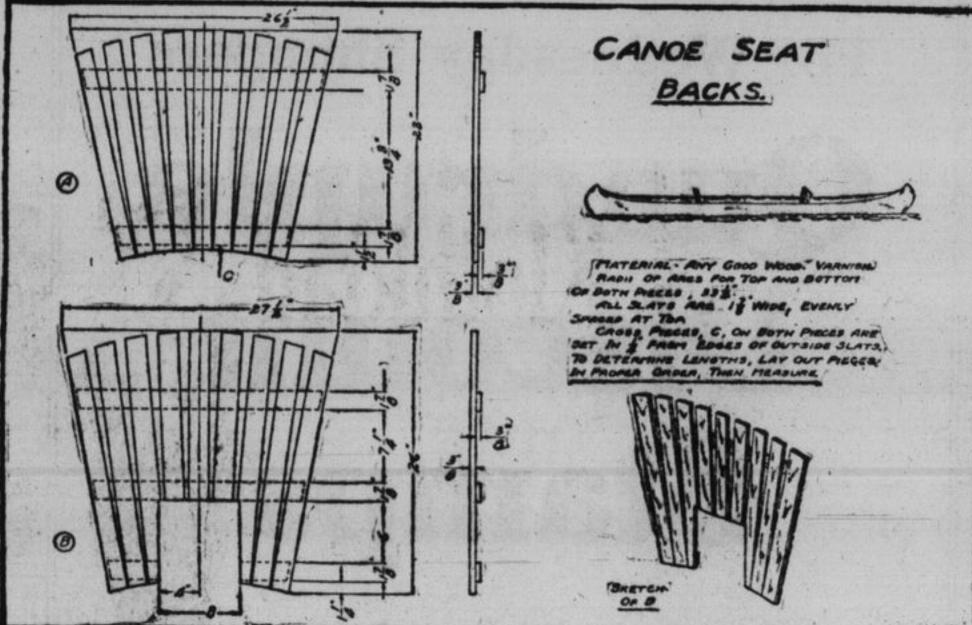
"He isn't keeping bees now," said bother with them." Then he jumped and clapped his hands together.

"What on earth's the matter?" asked Mrs. Baker.

"That's an idea," said Harlin ex-

eage you hear about."





AND HERE'S HOW YOU MAKE IT to the comfort of a cance. No canceist should be without seat backs for his waft, for they are very easily constructed and at little expense.

Any straight-grained, light wood will and bottom by means of a string a coat of spar varnish to protect the fastened to a nail placed at the proper back from the water and weather, given in the drawing. Lay the two distance from the work. Trim the finishes it. cross-pieces on the floor, the top of ends of the slats off.

To use the back, simply place it in four work-bench, or some other level Fasten the parts together securely the cance, resting it against a crosssurface, and tack them down lightly before you remove the back from the piece. so that they may be easily removed. surface upon which you have done the Lay the slats on these cross-pieces, preliminary work. For this use brads landing, and used as a support for placing the center slat down first. or small screws. Make sure that no cushions against trees. Fasten the two outside slats lightly. points extend beyond the wood. Then fasten the others.

the floor, lay out the arcs at the top cross-piece.

When assembling has been com-

The ends of the slats should meet pleted thus far, place a third cross-Seat backs add about fifty per cent at the bottom, but at the top they piece on the back, locating it 6 inches should be separated. Arrange them from the bottom cross-piece. Then, so that the space between them is with a sharp saw, cut the opening in While the back is still fastened to Fasten the slats securely to the third

(Copyright, 1922, Associated Editors)

Many Years at Murvale. were saddened on Saturday morning, place on Monday morning to St. Wagarville. Dr. and Mrs. Genge, June 10th, when word was received Patrick's church, Railton, where a Verona, are in the village. Mrs. C.

Kelly, of Murvale, and beloved wife pose of her soul. Interment took Mrs. Ralph Smith and son, Kingston, of John McCormick, of this place, place at Railton cemetery, the pall- at A. C. Wagar's. A. C. Wagar on the had passed to the great beyond, in bearers being Edward and Michael sick list. the Hotel Dieu, whither she had been McConnell, M. Cummings, Charles Mr. and Mrs. W. Weese, Kingston, taken the day previous. Deceased O'Connor, James Boyle, and J. Kel- at T. A. Wagar's; Miss Mildred Berwas thirty-one years of age, and was ly. born near Tichborne, going with her | Floral tributes -- Mrs. Babcock and Mrs. W. D. Black and Keith are parents to Murvale when about and family, wreath; A. McLean and at home in the village again, but twelve years of age, at which place family, wreath; Mr. and Mrs. F. will soon move to the lake. J. A. she lived until her marriage. She Wallace, wreath; Mr. and Mrs. A. Goodfellow is erecting a new cottage came here as a bride, a little more Galbraith, wreath; Mr. and Mrs. S. at the lake. W. Loucks, Camden than six years ago, and in that short Husband, sheaf; Mr and Mrs. S. East, at W. Louck's. James Howe time, her cheerful and genial disposi- | Spencer, sheaf. Spiritual tributes - made a trip to Perth. George Ayerst, tion, and the sterling qualities which Mr. and Mrs. Healey Patterson, Mr. Maberly, is in the village. Miss F. bespoke her chacater, won many and Mrs. Dan Mooney, Mr. and Mrs. Rabjohn, Toronto, is at S. Barr's. friends whose sympathy goes out to Peter Grooms, Mr. and Mrs. John Parham will send its quota to the the bereaved ones in their sad afflic- Grooms, Miss Mooney, Mr. and Mrs. Kingston Chautauqua performance,

Siliousness

Means too much bile left in the blood by a deranged liver. Dr. Chase's Kidney-Liver Pills set the liver right and bilious-ness and beadaches disappear. One pill a dose, 25c a box, all

THE LATE CATHERINE KELLY. three small children, Helen and Belleville, spent the week-end in John, and an infant babe, one sister, Parham. Mr. and Mrs. W. Clow vis-Was Native of Tichborne and Lived Mrs. Patterson of Murvale, and her ited at DeWitt Leslie's. Mr. and mother, who was too ill to attend the Mrs. G. Cronk in the city. Mr. and Brookside, June 21 .- Many hearts funeral service. The funeral took Mrs. T. E. Wagar are at C. Peter's, that Catherine Kelly, elder daughter solemn requiem mass was sung by York is in Verona. Don Wagar and of the late Owen Kelly, and Mrs. Rev. Father Powell for the happy re- family, at B. Wagar's, Long Lake.

tion. Besides her husband, she leaves Peter Kelly, Mr. and Mrs. A. Mc- July 1st to 7th. Connell, Mr. and Mrs. John Garvin, Mr. and Mrs. George Lennon, Mr. and Mrs. James Babcock, Mr. Good Blood and Mrs. Ed. Mohan, Mr. and Mrs. M. Cummings, Mr. and Mrs. McAllister, Mr. and Mrs. Henry Johnston, Mr. and Mrs. Thomas McQuire and

> Parham Personals. June 21 .- The Ladies' Aid held a lawn social on Thursday evening. Mr. and Mrs. J. Carr, Mr. and Mrs. C. Allison, Mr. and Mrs E. Barr, Miss

and Mrs. Hogan and family.

trim is home for her holidays. Mr.

Rich and Pure Is essential to health, happiness, energy, willingness to work and good

family, Mrs. D. Whalen and family. Lack of it means disease, rheuma-tism, catarrh, humors, headache, wandering pains, cold hands and feet, decline of health-tone.

Hood's Sarsaparilla is recommended for all these and other symptoms, because it is made from the best ingredients physicians prescribe, combined by pharmacists who have made a life-long study Iva Smith and R. Goodfellow, all of medicines.

SECURING NEGATIVE GRID BIAS

WITH THE FILAMENT RHEOSTAT.

Most vacuum tuner require about one ampere in the filament, and the current is of this value in all parts of the circuit if it is one ampere in any part. Since the voltage of the storage tattery is somewhat too great for the tube, especially when fully charged, it is customary to have a filament rheostat in series with the battery and the filament. The potential upon the fila-ment and, therefore, the current through can thereby be varied by moving the sliding contact of the rheostat.

Suppose that the resistance of the filament, when lighted, is four ohms and the amount of resistance in series at the . heostat is two ohms. Disregarding, then, any resistance in the connecting wires and the battery itself, the current through the circuit is one ampere. This is found by applying Ohm's Law, which states that the current in amperes is given by dividing the battery voltage (six volts) by the total resistance (four ohms plus two ohms equals six ohms). Now assume that the grid circuit is connected to the negative terminal of the "A" battery. There is a potential of minus three volts on the grid because it is at the same potential as the negative terminal of

the battery. The positive end of the filament is ot a positive potential of three volts and the potential applied to or the voltage drop across the filament is four volta. since two volts are used in overcoming the resistance of the rheostat. The negative end of the filament is then at a potential of minus one volt, so that the difference of potential between the grid and this end of the filament is two volts. That is, the grid is two volts negative with respect to the filament. This would insure the absence of grid current rt any time unless the positive applied signal voltage

were as great as two volts. With this method it is not possible to secure comparatively high values of negative grid potential, but it is practical for the lower values. If the voltage of the "A" battery changes, the potential on the grid will also change, but the voltage applied to the grid can be maintained at a reasonably constant value by reducing the amount of resistance in series at the filament rheostat. The slight reduction of negative grid potential occasioned by a somewhat decreased "A" battery voltage will not, however, ordinarily render the method of no avail.

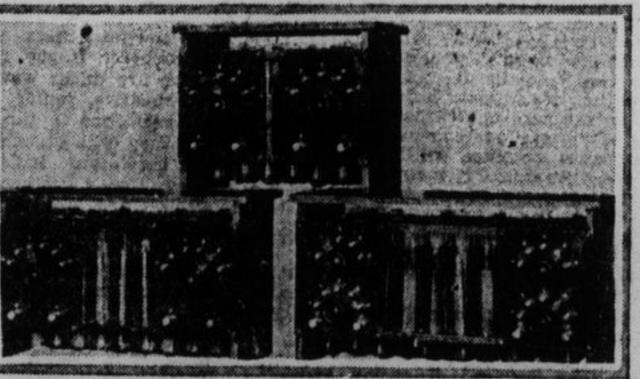
ADDADATTIS AND ALLAKAI OO TODINICIO

By RALPH BROWN, RADIO ENGINEER A STORAGE PLATE BATTERY WITH ALKALINE

ELECTROLYTE. This storage plate battery has | all the qualities of the regular Edison alkaline storage battery used for various purposes. The Edison cell elements are very small, since it is not required to have a large capacity in a plate battery. The

cabinet, so that its appearance is pleasing. All metal parts are nickel plated.

Variations of one and fourtenths volts can be obtained by adjusting the switches seen mounted upon the control panels. The



elements are contained in high quality test tures, which form the individual cell jars. The elements are firmly supported and the cells are connected together without solder, in order to prevent electrolytic action. Each cell has two plates, a positive and a negative. The cells are mounted in racks especially treated for protection against the action of the alkaline solution, if it should at any time be accidentally spilled while filling the tubes. The Thole battery is mounted in a nicely finished oak | care.

makers claim that the battery will last from three to six months without recharging, depending upon

the amount of use it is put to. Since Edison cells are noted for their ruggedness it appears that this battery should meet with considerable approval not only from experimenters but also those who operate their - aceivers for listening to the broadcasted program. Its total life in service cannot be accurately estimated, but should be many years with any ordinary

Will readers interested in these radio articles kindly communicate with the editor by mail?

Installing A Charging Indicator

IT IS A SATISFACTION to know that one's battery is being charged, while one's car is in operation, and either an ammeter or an indicator, showing "charge" and "discharge," is provided on nearly sil recent models, but some early models were without any such instrument, thus leaving the operator in the dark as to whether the generator was doing its duty. In the case of any system including a wire that is traversed exclusively by the charging current sent out by the generator, it is very easy to install an ammeter on the dash and to cut this ammeter into this wire, to read charging current, and usually, it is perfectly practicable to connect a "central-zero" ammeter so as to read charge and lamp discharge, although the latter indication is not so essential. There are, however, some systems so devised that there is no wire into which an instrument can be inserted, which does not, at times, carry the startingmotor current as well as the charging current and the former being ten times the latter on ordinary cowlboard ammeter would be ruined. Special instruments have been produced to withstand the heavy starting current and still to indicate the flow of the relatively email charging current and it is possible to install one of these in the heavy cable leading from the live battery tesminal.

FRONT CYLINDER IS OVEROILED

BATTERY WON'T HOLD ITS



no charge at all. What is the cause for this and is there any way of Answer: Apparently you are get- locating a short-circuit in the wirdag altogether too heavy a splash ing? The generator charges at the in the walls of this front cylinder rate of 12 amperes. Answer: Your charging rate should be sufficient and the cause and the fact that you have the werst trouble on down grades inof your trouble is either that the licates that there is then an undue battery itself is internally shortal depth in the front end of the circuited, by the breaking down of grankease. A light grade of oil is the separators between plates or recommended for this engine and other similar accident, or else there it may be that the heavy oil you is leakage in your wiring that by its sluggishness in flowing back

are using aggravates your trouble causes an escape of current to trom its delivery point at the tim-ing gears, to the flywheel pit. The ity of each cell, let it remain of fore and aft inclination of this engine has an effect upon its oil distribution. Your engine is not
"down by the head." on account of
front spring settlement, is it? We
have known of motorists who have raised the engine front support to its cable. If the ammeter shows remove this overoiling trouble and current, when all switches are oft also of some who have drilled the there is leakage taking place, which oil tube so that not all the oil was can be located by determining delivered at the front of the crank- which wire, when disconnected stops the escape of current.

Questions of general interest to the motorist will be enswered by Mr. Clough in this column, space permitting. If an immediate answer is lesired, enclose self-addressed, stamped envelope.

NOTICE

We are pleased to announce the arrival of another carload of Beaver Brand Hardwood Flooring.

All orders given prompt attention.



Sowards Keep Coal and Coal Keeps Sowards

all kinds of Cut Wood

PHONE 155.

UPTOWN OFFICE: McGALL'S CIGAR STORE. PHONE 811.

For Safety's Sake



Take the Danger out of Darkness with an

BE sure to take an Eveready with you on your vacation trip. It makes night travelling on water or land safe; pilots the way over slippery places; finds lost paths; instantly floods the tent or cottage with light when strange noises awaken you.

Go to any electrical, hardware, drug, or sporting goods store and get the style of Eveready that you like best. Get a supply of Eveready Batteries too. CANADIAN NATIONAL CARBON CO., LIMITED

Montreal

INSIST ON EVEREADY

& BATTERIES

MADE IN KINGSTON. FULLY GUARANTEED.

Monarch Battery Co., Ltd. Factory, Corner King and Queen Sts. Office, 254 Ontario, Cohen Bldg

Some of the attractive features of a

Briscoe Light-Weight Touring Car which we are now offering:-

1. A strongly built Car with seven inch frame.

2. A quiet-running motor.

3. Low Gas consumption. Non glare lens.

Smart pleasing body lines

6. Easy riding and comfort due to long springs.
7. A price several hundred dollars below its actual value in the automobile market.

> ANGLIN BROS. Bay Street, Kingston, Ont.

Absolute Evidence in Favor of Ground Cylinders

All high grade automobile engines manufactured in this country as well as in Europe have their cylinder bores finish. ed by grinding. Some of the American care that might be

mentioned are: Apperson Brewster Cunningham Dorris Franklin

Haynes

Hudson LaFayetti Ancoln Locomobil Mercer

Standard Stevens Duryca Btutz Templar In fact, 84% of all the manufacturers of pleasure cars

Peerless

Pierce Arrow

Rolls Royco

use engines with ground cylinder bores, and 91% of the commercial motors are ground. Heald Machines are used ex-Automo'Ale owners we have one of these Heald Cylinder

Grinding Muchines, and can guarantee first class work. Grownd 'ylinders is a selling point with many cars.

Automotive Grinders R. M. CAMPBELL. Corner of Queen and Wellington Streets.