NOTES AND COMMENTS

The Czar of Russia has also ap pointed a commission to supervise and encourage the manufacture of war supplies. It is said to have been giv practically despotic power over the cole range of Russian industry. Its business is to see that munitions ar made, no matter what else remains unmade. Coming on the heels of the passage of the British act to compel the manufacture of munitions as fast

mow by the European beligerents.

That end and aim is to make war supplies. For this man may not have exactly come into the world, but for this, in Europe away from the actual battle area, he exists to-day. "Produce, produce!" is still the cry, but it is conditioned by the warning to produce munitions first of all. Of course, some men must be exempt from this duty. They are the men charged with the task of disposing of the munitions in the most effective way. But for the rest the primal, fundamental duty to the state is 40 make them in ever-increasing quantities.

Once the chief end of man was as-

Once the chief end of man was assumed to be the pursuit of the true, the beautiful, the good and the harmonious development of his powers in How to Manufacture Vinegar on the accord with these ideals. But the actaccord with these ideals. But the activities of the European governments just at this stage force us to discard the theory. The chief end and aim off man, if we are to judge by the thing on which the greatest stress is now laid, is to be fruitful of munitions and thus to develop the common varieties available will do when ripe, but they do not contain enough sugar when green. The apples must be clean, not decayed or overripe. Dirty apples are apply and thus to deplenish the earth.

deserved twenty Victoria Crosses. They were real heroes a thousand times over." Here is a genuine tribute from a brave man, Captain William Finch of the Arabic, to the other ways are the week of the control of the Arabic, to the other ways are the control of the Arabic, to the other ways will be recessary; if on a small be recessary. The world may well pause with Captain Finch, regardless for the minute large presses are expensive to instal

dition of the sea. Praise, and great praise, belongs to the leaders such as stand on the bridge until the ship sinks beneath their feet. But what of the humbler men, the unknown, who deep in the heart of the great vessels ignorant of what is portending, shut off from sea and sky, continue at their service? Without glamor, without cheers, grimly facing hard mechanical tasks, they strive on until the last moment. They might seek the cow-ard's safety. With impunity often, of the dark hole for a man's conflict

MUNITION WORKERS. Efficiency of Volunteers Has Been Greatly Improved.

the part of the regular employes. the part of the regular employes.

As, however, the amateur operators have increased their efficiency, so have the week-day workers added to have the week-day workers added to traces of the previous contents are characteristics.

The barrels to be used should be new or cleaned in such a way that all traces of the previous contents are characteristics. The barrels to be used should be stop it the first means is to exclude the air. When the vinegar is drawn from the barrel it can be bottled, bar-street in Bagdad.

High Cost of Killing.

THE BY-PRODUCT THAT SAVES DOLLARS

Don't Let the Apples Go to Waste-They May Be Manufactured at Home-How Vinegar of Prime Quality is Made

By G. J. Culham, B.S.A.

A drive through the rural districts ing the yeasts, alcoholic fermentation A drive through the rural districts ing the yeasts, alcoholic fermentation the manufacture of munitions as fast as possible and on what France and the Teutonic allies have already done in the same direction, the creation of the Russian commission gives new emphasis to the chief end and aim of man, as it seems to be regarded just now by the European beligerents.

A drive through the rural districts in great the yeasts, alcoholic fermentation will be complete in about three leaves several impressions. Of these, one of the outstanding, is the more or less large amount of apples going to waste. Many orchards remain unpicked, and those having been picked show still plenty of apples left. Why should this state of affairs exist; is there no possible use for these culls completed it is well to again draw off

preference to the more expensive wine vinegar or less tasty chemically pre-

to carry bacteria of an undesirable nature into the juice which would cause various bad flavors in the vine-

the Fig. 2.-A, funnel and glass tubing by The world may well pause with Captain Finch, regardless for the minute of the weighty international matters tied up in the fate of the ship, to honor the enginemen who yielded up their lives that others might live.

| Solution of the weighty international matters and operate and need a special building and power outfit. The hand presses are of very small capacity and only small quantities of vinegar could be made with them. If there is months.



Fig. 1.-A and B, openings r by cheese cloth. C, spigot. D, stand. E, surface of liquid.

with the waters. But like caged ani-mals they choose to die. The men below are heroes a thousand times grinding and pressing the apples is They are the backbone of the low compared to the installation private presses. The presses and other utensils, which are apt to get dirty, should always be kept very clean, for here again harmful bac teria and yeasts may enter the juice

and spoil the vinegar.

In the manufacture of cider vinegar The stockbrokers and their clerks of the London Stock Exchange are proving their worth in voluntary enlisting as munition workers. At the outset the results of the voluntary efforts were of covers commentation. poor as compared with the output of the regular workers. Gradually, how "Mother," 4/5% of acid is produced.

output per professional munition spoil the flavor of the vinegar, also it worker is now at least 70 per cent. may stop the fermentations altogehigher than it was at the commence—there and the whole process will then higher than it was at the commencement of the war, and there does not appear to be much further room for improvement, as many of the machines are being operated to their utmost capacity.

It is very noteworthy, however, that the Stock Exchange workers and other volunteers, whose hands suffer severely from manual labor, have been able, within a short time from their enlistment in the rank of munition producers, to manipulate the afailure. Thorough washing with be a failure. Thorough washing with be a failure. Thorough washing with be a failure. Thorough washing with be afailure. Thorough washing with sealing water should be given even when the barrels have been recently used for cider or vinegar. The forty-gallon barrel is the most serviceable size.

Before putting the apple juice into the barrel it is well to let it stand for two or three days in an open end barrel to let some of the solids settle out. Then the juice is drawn off out. Then the juice is drawn off out. Then the juice is drawn off out.

of munition producers, to manipulate their machines with an efficiency which in normal times would compare very fairly with those of skilled Gave Him Indigestion.

"I hear that your cook has left owing to poor health?"

"Yes, mine."

The well to try to get rid of any settlings, as by so doing, a clearer, brighter and therefore more attractive vinegar is made. Metal ware should be carefully avoided throughout all operations.

When the barrel is about half filled it should be put in a cellar or room Bombardments are expensive. Nations that throw shells have to shell 45 and 60 deg. F. This is the best tions that throw shells have to shelt out.

45 and 60 deg. F. This is the best temperature for the yeast to grow and to produce a maximum amount of alcohol. The apple juice usually contains the right kind of yeasts, but to retaliate? The Meek One—Why, if I "turned" she'd be sure of it.

Susie (aged six)—"And when we grow up we'll be married, won't we, Tommy?" Tommy (sadly)—"No, Susie! I cannot marry into your family. Your papa has weak eyes and your auntie has spasma." relled, or put in small kegs to suit the market. Whatever the confainer, it should be filled as full as possible and all bungs closed tightly. Summary.

Use only clean, sound apples. Use all cleanliness in obtaining the juice. Have clean and well scalded barrels, fill about one-half to three-quarters full of juice. Cover bungs with cheese cloth to prevent entrance of flies and dirt. Keep barrels at from 65 to 70 deg. F. if rapid fermentation is desired; yeast added shortens per-iod of fermentation. For vinegar fer-mentation add some old vinegar with nother and keep at a temperature of from 65 to 75 deg. F. Fill the containers as full as possible with the vinegar and cork tightly.—Canadian

TELL YOUR FORTUNE? Much Depends Upon the Interpreter

Countryman.

of Teacup Signs. Can you tell fortunes in teacups Perhaps you are one of those who hile laughing to scorn the mysteries therein, are always eager to know

what Fate holds for you.

Anyhow, you will find a wonderful amount of fun and not a little prophecy in following these rules for reading the contents of the teacup. First of all, take the cup in your left hand and shake it carefully to mix up the dregs, then place it up side down in the saucer, and move it right round three times. Now for

If a little string of tea leaves runs If a little string of tea leaves runs right around the cup, it means a journey. An anchor is a fine omen—it stands for hope and good luck. If it is near the top of the cup, it may mean a sea-voyage; and if that most popular symbol of all, a ring, be near it, a honeymoon may be mixed up with the youage.

teacup. It may be a tiny circle of ten leaves or grounds, it may be just tea leaves or grounds, it may be just ten leaves or grounds, it may be just tiny spikes forming a circle, or it may be tering rams over against the gates of be a single curled leaf.

Should this ring come

which juice enters under the "mother." B, glass tube to show height of liquid in barrel. C, opening protected by cheese cloth. D, "mother" on surface of liquid. E stord E so will not be seen a marriage is very near; but if it is at the bottom, the wedding 13.

flowers denote success; a cross fore-casts sorrow; an umbrella foretells a storm; fruit means health; while little yellow particles in the bottom of the cup are a sure indication of mo-the cup are a sure indication of mo-men of the princes, who would be marked as valorous and discreet.

In the method just described only

the barrel is needed, but the process is slow and only small quantities can

e made. To make larger quantities a large number of barrels would be

method, which, if followed, will give

with the necessary funnel and tubing.

the same amount of new liquid and is

The Care of Cider Vinegar

barrel is half filled with the fer

d and therefore much more

Beware of an enemy if a snake lies in the bottom of in the bottom of the cup; but take is, Who shall strike first? a dog is depicted near the snake. De-ceit is about when a cat is shown. Hasty tidings, probably a telegram,

the best quality of vinegar in the minimum amount of time. Figure 2 shows the barrel used. An ordinary barrel is fitted out cheaply are foretold by a galloping horse, but mented-juice and the mother added. At the end of three to four weeks, in

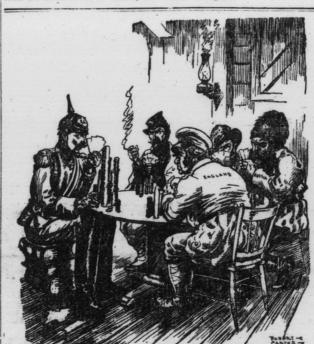
Much depends upon the interpreter a warm room, one-fourth of the liquid may be drawn off by the lower bung. The barrel must not be disturbed. The amount drawn off is replaced by of teacup fortunes. A clever girl can create quite a little air of mystery round her fortune-telling, and make a lot of harmless fun and conjecture on

PROFITS FROM ROTATION.

that it is delivered underneath the mother. If on top it will spoil the mother and the fermentation. This method makes a fine quality of vinegar and is of very little extra ex-The crops are rotated on the twenty-three demonstration farms oper-ated in North Dakota. This gives pense other than the greater atteneach crop the best chance to do well. tion demanded. The increased amount made in a given time offsets the add-ed expense and labor. In 1914, the average cost per acre of producing the crops was \$9.13, the average income per acre was \$17.49, The Care of Cider Vinegar.

After the vinegar fermentation is \$8.36. The net profits per acre from complete a certain amount of care is each crop was: Corn, \$8.49; hard needed, otherwise the fermentation wheat, \$8.02; durum, \$18.39; oats, will go further and the vinegar will \$7.87; barley, \$2.07; oats and peas, forts were, of course, comparatively poor as compared with the output of the regular workers. Gradually, however, there has been a "speeding-up," which has brought an average Sunday's work of the Stock Exchange munition volunteers within measuremunition volunteers within measuremunition volunteers within measuremunition of that which is custombeen shown before that for the vine-gar fermentation to proceed, a large amount of air is necessary; hence to five to six year rotation is practised on most of them.

"Tabby" cats are so called after a



THE KAISER-"AH, IF I COULD ONLY QUIT NOW!" -From The New York Evening Sun.

THE SUNDAY SCHOOL

INTERNATIONAL LESSON, SEPTEMBER 19.

Lesson XII.-Defeat Through Drunkcnness (Temperance Lesson),

1 Kings 20. 1-21. G. T., Hos. 4, 11. 1. The Young Men of the Princes

(Verses 10-15).

12. He was drinking — Ben-hadad

Stuffed Sweet Peppers.—Remove

"booths" (Gen. 33. 17; Lev. 23. 42; Jonah 4. 5, etc.) or "tabernacles" (Lev. 23. 34). These "booths" were

stops with this word. The words
yourselves in array are added. The
margin reads (Phys. 1) margin reads, "Place the engines." As this same word set, used in Ezek. 4. 2, is followed by the noun "batterwith the voyage.

All women look for a ring in the ing-rams," it is supposed that the command given by Ben-hadad to the the city. The Septuagint version reads: "Build a stockade, and they

set a stockade against the city."

13. A prophet came—When Elijah will not be so soon. Much merriment can be caused if the ring is discovered in the cup of a married person, by forecasting a second marriage—of course, in the far-away future.

Good luck is always predicted by the clover leaf and the horseshoe; flowers departs success; a cross fore.

Many and the ladne of all the prophets was left, he did not mean that all the prophets except himself the prophets was left, he did not mean that all the prophets except himself the prophets was left, he did not mean that all the prophets except himself the prophets was left, he did not mean that all the prophets except himself the prophets was left, he did not mean that all the prophets was left, he did not mean that all the prophets except himself spoon salt, one-fourth teaspoon pepper, two tablespoons vinegar, one tablespoon capers and one tablespoon will get hot through in less time. The own the steam will prevent the meat from and one-half cups stock, one-half tea-spoon pepper, two tablespoons vinegar, one tablespoon capers and one ped prophesying. Many an unknown prophet there was who, like Eldad or Medad, came to prominence at the op-

Who shall begin the battle?-That might have remained in the fortified city and for a long time warded off the besiegers. To rush out into the open, however, and engage the unsuspecting attackers, was more promis-

II. The Drunken Ben-hadad

16. And they went out at noon-Men engaged in drunken revelry are in no condition to meet the foe. (Com-

pare Dan. 5. 1-4). 17. Ben-hadad sent out—Even in his drunken stupor he is aware that something unusual has happened. 18. Take them alive—Whether they had come for peace or for war they were to be captured. The more he was dispossessed of his mind the less he was in control of his words.

19. The army which followed them

That is, the two hundred and thirty-The army which followed them two young men who went out to be-gin the battle were followed by the upon the scene to increase the confu sion of the unexpected attack. 20. They slew every one his man

It was comparatively sober young men to selves well in the fight. to acquit them-The Syrians fled-A vast army flee-

ing before a comparatively few pur

HOW THEY DID IT.

California raisin growers, through

let us each do our work.

The great Pan-American Road Congress will convene at Oakland, California, on Sept. 13. Its mission will

About the Household

Dainty Dishes.

Corn Oysters.—Score down centre of each row of grains on cob and press out pulp with dull knife. To pulp of dozen ears add level teaspoon salt, one saltspoon pepper and three well-beaten eggs. Drop in tablespoonfuls on hot greased griddle, in oyster shape. Brown on one side, then on other, and serve immediately op hot dish. Tomato sauce goes well reish in oppressively hot weather. Verse 10. The dust of Samaria—

We see 10. The dust of Samaria—

Ben-hadad boastfully declared that he on ther, and serve immediately fresh upon it helps to give food a on hot dish. Tomato sauce goes well relish in oppressively hot weather.

would bring so great an army into Samaria that if each man thereof took put but a handful of dust, the whole of Samaria would be carried away.

When iodine is spilled on clothing, simply soak the ripe peaches. Pick stale bread into 24 hours in cold water. Paint bedsprings with all Samaria would be carried away.

11. Let not him that girdeth on his armor—Ahab answers with a proverb according to the Oriental propensity. The king who has won a victory, and hence has taken off his armor, has the right to boast; not he who has a victory to win, and hence is just putting on his armor.

Also be peaches. Firsk state bread into they are should gish, sprinkling sugar over fruit and dotting bread crumbs sparingly with butter. Bottom layer should be right to boast; not he who has a victory to win, and hence is just putting on his armor.

Bottom layer should be the best dressing for most vegetables is simple butter. White sauces are pour a little melted butter and sprinkle with sugar. Bake until fruit is tender and top nicely browned.

12. He was drinking — Ben-hadad was so full of confidence that he was giving a banquet to his allies, the neighboring kings (see verse 1), in honor of the victory he felt sure he would win.

In the pavilions — Similar to "booths" (Gen. 33. 17; Lev. 23. 42; ed together and thoroughly seasoned with salt and pepper. Stuff peppers well-scalded and drained plate Jonah 4. 5, etc.) or "tabernacles" ed together and thoroughly seasoned with salt and pepper. Stuff peppers and lay in baking dish. Pour one tabernacles at the Feast of branches of trees, as at the Feast of Tabernacles.

Tabernacles. Hehrew the sentence ed together and thoroughly seasoned well-scalded and drained plate is much cleaner than one that has been drained with the average towel. If 30 per cent. more vegetables to the life of the peppers and lay in baking dish. Pour one tabernacles.

If 30 per cent. more vegetables to the life of the peppers and lay in baking dish. If 30 per cent. If 30 per cent. If 30 per cent. If 30 per cent. It is a per cent

Boiled Tongue.—Wash and clean tongue and cover with boiling water. Add one-fourth cup each of chopped carrot, turnip and onion, four cloves, two pepper-corns, bouque of sweet herbs and salt to taste. Simmer until tongue is tender. Cool in move all shakes. herbs and salt to taste. Simmer until tongue is tender. Cool in kettle, remove skin, place in dripping pan, brush with melted butter, cover with buttered crumbs and bake twenty minutes, basting of the street when the same to the same transfer when the same transfer when the same are counts. To keep color of catsup put whole cloves and allspice into a new soap shaker; use as a spoon in stirring the catsup. In this way the flavor of the spices is grained without sacrification. minutes, basting often with chicken stock or hot water.

Sauce Piquante.—Three tablespoon

sauce made of butter flour and stock. Simmer twenty minutes and serve. Sour Cream Pie.—One cup of thick sour cream, one-half cup sugar, one cup chopped raisins, two eggs, one and one-half tablespoons flour, two spoonful of liquid ammonia; and put it halbespoons powdered sugar, one teaspoon cinnamon, one teaspoon cloves, few grains nutmeg, few grains salt and pastry. Mix raisins, stocking that you dread to tackle cloves, few grains nutmeg, few grains salt and pastry. Mix raisins, sugar, flour, salt and spices together, add sour cream, mixed with egg yolk, slightly beaten. Line pie pan with pastry, pour in mixture and bake about twenty-five minutes in moderate oven. Make meringue of egg whites and powdered sugar, heap on pie and cook for ten minutes in slow oven.

Ye held the few succepans shine like silver.

The next time you have a hole in a stocking that you dread to tackle bake a square of net over the hole. Then darn in the usual way. Draw the threads back and forth through the meshes of the net, skipping every other one, so that in darning in the opposite direction there is a mesh to darn through.

Never put food away in the safe with its mittee all as it will read to tackle backet a square of net over the hole.

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The next time you have a hole in a st

peas. A teaspoonful of finely chop

Buttermilk is a cheap and valuable

Nuts are a cheap food, and may

buttered crumbs and bake twenty The best way to buttered crumbs and bake twenty meat is to wrap it in thickly greased while in paper and keep it covered while in

each chopped chives, olives, pepper and pickle. Cook five last named in vinegar five minutes and add to brown termelon juice is held in high esteem vinegar five minutes and add to brown termelon juice is held in high esteem sauce made of butter flour and stock. for intestinal catarrh or dropsical af-

pie and cook for ten minutes in slow oven.

Pea Timbales.—One cupful pea pulp (from fresh canned or dried peas), two eggs, two tablespoonfuls thick cream, one tablespoonful butter, two-thirds teaspoonful salt, one-eighth teaspoonful black pepper, a few grains of cayenne, and add onion juice. Beat the eggs, mix with pea pulp, add butter, melted, and other ingredients, and turn into buttered molds. Bake in pan of hot water until firm, and serve with one cupful sile. The only really safe receptacle til firm, and serve with one cupful sils. The only really safe receptacle white sauce, to which has been added one-third cupful cooked and drained glass, or crockery.

The Moral Order of Heaven

Righteousness Will Seek Peace and Pursue It, But Not at Any

about the observance of "raisin day."

Through this they have been able to of men as being both their supreme human authority that a man or a na-Through this they have been able to double their output in ten years.

Since Saskatchewan has "gone dry" a movement has been started to turn one of the biggest breweries into a cannery for putting up vegetables. In that city there are some 2,000 more vegetable gardens under cultivation as the result of a movement for better home surroundings.

Many experts aggue that the greatstart and industrial boom in our economic history is just beginning. This is no time for pessimism: let us each do our work.

The great Pan-American Road Contest will converse a Chelland Coli.

Not a Righteous Man.

The great Pan-American Road Congress will convene at Oakland, California, on Sept. 13. Its mission will be the betterment of roads in America, and W. A. McLean, Chief Engineer of the Ontario Highway Commission, will preside at one of the sessions. Any new idea—or an old one—put into practice upon Mr. McLean's roturn will be welcomed.

Bankers announce that they have ample funds on hand to take care of the harvesting, moving and marketing of the Canadian wheat crops.

G. E. White, of Lacombe, Alta, has a Holstein cow that has given 18, 258.70 lbs. of milk in her year. Her butter record is 625 lbs. The cow is registered as Butter Aggic Cornucopia Palestine.

Mr. William de Morgan published his first novel when he was sixty-six years of age.

Only righteousness can do that.

Not a Righteous Man.

Again, this righteousness which the Bible commends so highly and insists on so vigorously is not a negative or passive thing. It is active, aggressive, enthusiastic, impassioned, absorbing. If a man's so-called righteousness does not compel him to hate and resist iniquity, to put his heel on the head of every hissing falsehood he is cognizant of, to overcome and thwart evil, to expose and punish injustice and cruelty, to take sides against oppose wrong, defends the weak, relieves the oppression, defends the weak, relieves the orppressive, enthusiastic, impassioned, absorbing. If a man's so-called righteousness when he head of every hissing falsehood he is does not compel him to hate and resist iniquity, to put his heel on the head of every hissing falsehood he is does not call the weak, relieves the oppressive, defends the weak, relieves the oppressive, delicity or opical sactive, aggressive, enthusiastic, impassioned, absorbing. If a man's so-called righteousness the oppose of the tyrant, and is the only true basis of national prosperity and power.

Oh, what irredeemable fools we are sat a people and how slow and sodden do every hissing falsehood he is does not call the power.

Oh, what irredeemable fools we are story we Not a Righteous Man.

"Righteousness exalteth a nation." against innocence, but if his feeling of indignation do The righteousness on which the called righteousness is the sheerest

righteousness that opposes who fends the weak, relieves the of