Vinegar Is Made From Fruit Juice

Sugar In The Juice Is Fermented to Alcohol - Acetic Acid Bacteria Added

From the dawn of civilization vinegar has played a notable part in the human diet. It may be prepared fom practically any fruit juice. The primary step is fermentation of the sugars in the juice to alcoho! which, in turn, is converted into vinegar by acetic acid bacteria. In some countries, certain kinds of vinegar through extensive use have become what might be called national vinegars, because they are made largely from national beverages. For instance, in England the term "vinegar" means vinegar made from beer, in France and Italy, that made from wine, and in North America, that made from eider.

"Ogden's" is the signal

rolling-your-own. Go

into a huddle with this sweet, frag-

rant cigarette tobacco and you're

headed for a touch down in smoking

pleasure especially if you use

"Chantecler" or "Vogue" papers.

What Science

Doing

Surgery which reroutes the

muscles of children crippled by

infantile paralysis so that a lost

muscle is partly replaced by a mus-

Dr. J. T. Nicholson, of Philadel-

phia, describes how this has

enabled children threatened with

twisted limbs to grow straight

Partial success in preventing co-

ronary thrombosis, a fatal clotting

of the heart's main artery and a

common cause of death, through

use of a compound called heparin

is reported by Dr. Charles H. Best,

of Toronto, co-discoverer of in-

A quick hypodermic cure for

spreined ankles and knees has

Novocaine is injected close to

the sprain. It relieves the pain

of moving the joint and at the

same time helps injured tissues to

The sprained part is bandaged

tightly and, instead of being ord-

ered to bed to rest, the patient is

A surgical operation which

moves the ear drum to a new,

artificial opening into the inner

ear is being found successful in

ending some types of deafness.

Q. I have never kept chickens

before, and I have a notion that

the manure, if kept dry, is a valu-

able by-product, at least worth giv-

ing a little attention to. Am I

right? Speaking roughly, after

reading your letter I would say

chicken manure equalled a 1%-

11/2 fertilizer. If dry, could it be

used as a side-dressing on grow-

ing crops? What is the value of

chicken manure compared to the

manure from one horse and one

cow, mixed and looked after well?

A. The analysis of chicken man-

ure would run about 1%-3/5

formula. Chicken manure is es-

timated to have a value of \$4.16

per ton while a mixture of horse

or dairy cow manure would have

a value of \$2.28 per ton. From

these statements you will see that

you are right in assuming that

chicken manure is a valuable by-

product. It should be stored so

that rain and snow will not wash

Canadian domestic exports for

the eight-month period ended Au-

gust 31, 1939, totalled \$663,000,

000, which is a gain of \$121,500,-

000 over the same period the pre-

Watchmakers, leather stores

and shirtmakers in Paris advertis-

ed a 20 per cent. reduction for

mobilized men and women de-

through it.

vious year.

fending France.

"J.W.P .- Middlesex Co."

told to get up and walk around.

EAR DRUMS SHIFTED

QUICK SPRAIN CURE

been discovered.

recover quickly.

Farm

legs and normally-shaped feet.

DRUG REDUCES CLOTTING

SURGERY FIGHTS POLIO

cle elsewhere is reported.

for fuller enjoyment in

Pipe-Smokers!— Ask For Ogden's Cut Plug

How Cider Vinegar Is Made Cider vinegar is formed by the action of acetic acid bacteria on properly fermented apple juice. Essentially, vinegar is a dilute solution of acetic acid, but, since it is the product of definite biological fermentation of sound fruit juice, it contains many flavours and other substances in addition to those produced during fermentation and storage.

Ontario, Alberta Produce All Sugar Grown In Canada

Sugar Beet Acreage May Be Increased to Accommodate Demand at Home During Wartime

It is learned at Ottawa that members of the tariff board are convinced Canada can now lay plans to produce a larger share of domestic sugar requirements. Last year, of a consumption of more than 1,000,000,000 pounds, only 150,000,000 pounds were refined from Canadian sugar beets.

We Use 7 Times As Much In 1938, half of the 150,000,000 pounds of Canadian grown and produced sugar came from the beet fields of Alberta and half from Ontario. In the irrigated area around Raymond, Aita., there is produced 16 tons of sugar beets to an acre, equivalent to 3,800 pounds of sugar. Sugar content of the Alberta teets averages 25 per cent higher than that of Ontario beets, it is said. It is estimated another 200,-600 acres could be brought into sugar beet production, beet crops being grown two years out of four.

Resigns Chairmanship



L. W. Brockington, chairman of the board of governors of the Canadian Broadcasting Corporation for the past three years, has resigned from office. Starting Nov. 1 he is devoting all his time to his law practice.

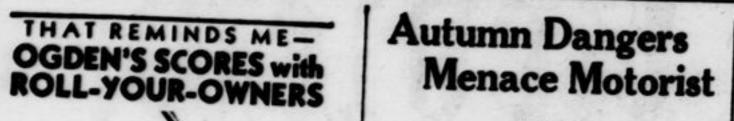
Deaf People Are Lonely

Make It Easier For Them By Conversing In A Friendly Manner Natural Enunciation Necessary

The deaf are lonely, but how much more lonely than anyone else they are! The loneliest moment on earth is in a large city where you know nobody. You may be so lonely you can't read, but you can at least go to the movies. The deaf man can't even do that, with any degree of pleasure. @ Per Cent. of Population Affected

It is calcul ted that six per cent. of the entire population is deaf. That six per cent. has to make a great many difficult adjustments to meet the hearing world on its own ground.

Here is a thought for all of us not just because it is a duty, but because of our own comfort and interest. In conversing with a deaf friend the desirat' thing is natural enunciation. L dness is not as necessary as distinctness especially for lip readers. Do not talk to your under-hear! friend with your back to the light. Show him things rather than read them to



Take Particular Care In Driving Over the Highways At This Season

Warning is being given by the Royal Automobile Club of Canada to all motorists of the dangers that are inherent in autumn.

Drivers are advised by George A. McNamee, manager of the R. A. C. to take particular care in driving over the highways at this time because there is nothing, with the exception of wet clay, that is more treacherous than a bed of wet leaves on the smooth surface of the road. With the high-powered cars in use today the danger of skidding through emergency braking is much increased as the loose leaves prevent the tires from getting the proper traction.

Rainy Weather Is Bad

Warning is also given that soft shoulders are very dangerous at this time, because of their lack of stability in rainy weather. A fast travelling car getting off the edge of the paved surface is almost bound to get out of control in the soft shoulders and land upside down in the ditch.

The club p.ints out that early darkness, slippery pavements, de ceptive shadows, rain, mist and possibly early snowfalls, all call for extra vigilance in driving, not only to ensure the safety of the passengers, but also of pedestric ; and particularly children who are using the streets and highways to go to and from their schools.

How Can 1? BY ANNE ASHLEY

Q .- How can I tighten the blades of a pair of seissors, which have become loose?

A. Try pressing a hot poker or solder iron on each side of the rivet which holds the blades. The rivet will expand and fit the hole, which tightens the blades.

Q. How can I prepare a good fruit cocktail? A. Use one cup or orange juice,

four tablespoons of lemon juice, and three tablespoons of honeyflavoured syrup. Mix these ingredients and serve with ice in cocktail glasses. Q. How can I prevent moisture from forming on my eyeglasses

when going from a cold into warm atmosphere? A. Moisten the tips of the fingers and rub them over a cake of soap; then rub them over the lens,

and polish as usual. Q. How can . remove ink stains from white goods?

A. A solution to keep on hand for this purpose is 1 ounce of each of sal ammoniac and salts of tartar. Put into a quart bottle halffull of water and shake well for several minutes. Then fill bottle with water, shake again and cork. Soak the goods in this solution and then wash.

Q. How can I prevent the threads in rag rugs from loosening when shaking them?

A. Hold the rugs by the sides instead of the ends when shaking them. All the pull is on the threads joining the rags when holding them by the ends and the rug will wear out quickly, as it loosens the threads.

A Little Warsaw Boy Saves His Pet Canary



Among the pitiful sights attending the bombing of Warsaw by German planes was that of this little boy with his pet canary, the only thing he managed to save from the ruins of his home, in which 10 persons were killed. Photo was taken just before Nazi occupation of Warsaw.

An opening is made in the ear Modern just above the funnel where people stuff cotton when they have earaches. The new entry is about Etiquette at the first coil of the "shell" around the funnel. BY ROBERTA LEE ******************

1. When at the table and someone asks you a question while you have food in your mouth, should one answer promptly and try to manage the food at the same time?

2. What should a girl do at a party when an inebriated guest insists upon kissing her? 3. Isn't it discourteous for a motorist to blow his horn when waiting in a line of traffic that is

slow in moving? 4. Is a person who is very talkative usually a bore to others? 5. When giving a theatre party, what is the procedure of going

down the aisle? 6. Should a person place his napkin on the table while the meal is in progress?

Answers 1. No. Wait until the food has been swallowed. Say, "I am sorry," then answer the question. This is much better than saying, "Blub-b-u-rr-gr-um-p-f." 2. Tell this guest frankly and positively, without displaying anger, that his actions are objectionable. If he persists, speak to your host or hostess. 3. Yes. It is discourteous, rude, and usually ineffective. A well-bred person will always show patience in such instances. 4. Yes. Loquacity is a habit that one should strive daily to overcome. Feltham defines it thus: "A talkative fellow may be compared to an unbraced drum, which beats a wise man out of his wits. Loquacity is the fistula of the mindever running, and almost incurable." 5. The host or hostess should go first, followed by the guests in the order of seating. This avoids confusion. 6. No; not until leaving the table.

More U.S. Tourists Than During 1938

Number Entering Canada In First Eight Months of 1939 Shows Increase

Tourists entering Canada from the United States during the first eight months of 1939 totalled 11,-968,905 compared with 11,838,379 in the same period last year, the mines and resources department reported at Ottawa last month. And while declines were registered all during the first five months of the year, these were more than offset by the increased movement in the months of June, July and August The tourist traffic reached its peak in July and August when 6,082,257 tourists from the United States entered Canada compared with 5,740,-512 in the same two months last

Says Girls Don't Like Farm Life

Prof. Drummond of O. A. C. Declares Women Prefer The Comforts of the City

It is far more difficult now for a farmer to get a bride than it is for a city man, according to Prof. W. M. Drummond, of the Ontario Agricultural College. He gave his own views to the civic farm placement

committee in Toronto last week. Farm Wives Hard to Find He said women preferred the comforts of urban life to the heavy work of a farm wife. There is not the same attraction about farming for a woman as for a man and the rural marriage problem is further intensified because so many young girls leave the farm for city work. Prof. Drummond estimated three girls left rural homes for every farm lad who went to the city.

Canada's War **Role Greater**

Visiting Economist Predicts Technicians Will Be Trained Here

If war comes to its fullest and grimmest extent to the countries of Europe, with bombing planes dropping death on cities, on factories and on universities. Canada may play an even more important role in the fight against Hitlerism than she is already scheduled to play, according to Dr. Michael Heilperin, Polish-born econc ic authority, who is in Canada at the present time.

To Train "Brains of War" Canada is already likely to become the centre of arms and munitions production. It has already been selected as the training centre for the war fliers of the British Empire. But it may, according to Dr. Heilperin, also become the training place for the "brains" of the war.

"I mean by this," he explained in an interview at Montreal last week, "that wartime condtions may make it impossible to turn out technical men - engineers and physicians, particularly.

Middle-Age Spread In Pigs Deplored

320,000 pigs of Victoria, Australia, must slim if they are to be in the export fashion.

A Department of Agriculture bulletin informs growers that the export trade demands long lean pigs and that they must conform to the "exacting demands of the United Kingdom pork and bacon trade." With the bulletin goes two pcitures of carcases, one long and lean showing a meaty cut and the other short and excessively fat. The idea is to catch pigs just before that expansive, idyllic period when they develop the middle-aged



"Heard the news? Bill is in hospital."

peze by his teeth at the time."

ted by Punch.

"What happened?" ilton, Ontario. "He yawned; put his shoulder out of place and broke his leg." MEDICAL HIGH BLOOD PRESSURE-WRITE "Impossible." "He was hanging on the tra-

Advertisement, Style 1939: "Cellars, spacious, dry, solid; excellent large house above; London 20 miles."-Registered, Patent Attorneys, 273 Advt. in "The Times."-Spot-Bank Street, Ottawa, Canada,

New Proverbs "A man becomes judged by the inexpensively. Home company he floats." "Wise men pause before crossing a cheque, a main road, or a

"Raise your hat to the past, take off your coat to the future." Secret of success: Making hay with the grass that grows under ies' consumption. Satisfaction guaranteed. \$1.00 postpaid. Sweeother people's feet. ney Radio Booster, Highgate

"Jimmy, I wish you'd learn better table manners. You're a regular little pig at the

Deep silence on Jimmy's part. So father, in order to impress him n.ore, added, "I say, Jim, do you know what a pig is?" "Yes, Dad," replied Jimmy,

meekly, "It's a hog's little

A Negro who had been exploring chicken coops heard that the sheriff was after him. Hastily he sought the railway station and asked for a ticket to the end of the line on the fastest train. "Our fastest train left just ten

minutes ago," he was told. "Well," gasped the Negro, "jes give me a ticket an' point out de track!"

"I can see five flies, two masculine and three femin-"How on earth can you tell

"Easy. Two are on the table and three on the mirror."

DRINK these 10 herbs in your daily cup of Add the juice of GARFIELD TEA's 10 herbs to loosen harmful undigested, clinging wastes. Makes your cup of hot water taste better and work more THOROUGHLY to clean out intestinal wastes and help you look, feel and work better. At druggists-10c & 25c. FREE SAMPLE - to Garfield Tea Co., Inc.,

Dept. 63 — 1 Close Avenue TORONTO 3, CANADA

Teacher Who Talks Without A Larynx

E. M. Otis has started his 31st year as superintendent of the Willoughby, Ohio, schools. Unusual in itself is his lengthy service, but Otis has overcome a physical handicap that threatened the end of his teaching career. Last year Otis had his larynx removed. The operation deprived him of use of his vocal chords and made breathing possible only through a small hole in his throat. Undiscouraged, Otis learned to talk through an accomplishment rare in medical cir-



Turkey will make anti-typhoid fever vaccines.

CLASSIFIED

AGENTS WANTED

AGENTS WANTED TO REPRES. ent "The Old Reliable Fonthill Nurseries." Exclusive territory in town or country. Liberal terms paid weekly. Handsome free outfits. Stone and Wellington, Tor-

MEN AND WOMEN! NEW INVENtion sells like wild fire: Start business of your own in spare time. Send stamp to Economy Distributing Company, Leamington Ontario.

DISTRIBUTOR WANTED FOR wearing apparel, permanent position with good earnings. Write

213 Victoria Street, Toronto. ARE YOU IN MISERY? WHITE OINTMENT - A NEW quick relief from irritating Piles, Highly recommended. Money back

if not satisfactory. 75 cents a jar. White Manufacturing Company,

BOOKS ART, UNUSUAL BOOKS; SEND A dime for catalogue (refund first order). Roddy's, 355A Yonge St.,

Box 164, Toronto, Ontario.

EDUCATIONAL STUDENTS NOW ENROLLING FOR Courses in Matriculation, Short Story, Journalism, Advertising, Shorthand and Speech Culture. Make use of your spare time. Write today. Canadian Correspondence College (established 1902), 229 Younge St. Toronto.

FOR SALE SLICING MACHINES, WALK-IN Refrigerators, Frick York and Kelvinator ice machines, store safes, scales, counters and Laundry equipment. Mr. Leach, A. & P. Food Stores, 135 Laughton Ave., Toronto, Ontario,

229 Yonge St., Toronto.

INCREASE YOUR EARNINGS EARN DOLLARS READING YOUR newspapers! Dime and stamp brings information and surprises! K. Rembe, 527 King St. W., Ham-

for free booklet and full particulars regarding our amazingly successful hyblood treatment. Pedigreed Products. Saskatoon.

OFFER TO INVENTORS AN OFFER TO EVERY INVENTOR List of inventions and full infor-mation sent free. The Ramsay Co.

PERSONAL

QUIT TOBACCO, SNUFF, EASILY, Testimonials, Guaranteed, Advice free. Bartlett's, Box 1, Winnipeg.

RADIO SUPPLY, REPAIRS BOOSTER FOR BATTERIES AND Electric Radio. Improve reception 200 per cent., increase power 1,000 per cent., helps eliminate interfering stations. Reduce batter-

Saskatchewan. SEWING MACHINES & SUPPLIES PARTS AND REPAIRS. ANY make, write for prices on new or reconditioned machines, 30 years' experience - A. Gilbert, 348 Yonge Street, Toronto.

STOMACH TROUBLE B-C-M STOMACH CORRECTIVE gives prompt relief and comfort to sufferers from Acid Indigestion, Heartburn, Gastritis, Sour Stomach, etc. A trial will convince you, Twelve ounce package \$2.50 postpaid direct from the manufacturer. H. J. Woodley, P.O. Box 904, Vancouver, B.C.

WATCH REPAIRS

WATCHES CLEANED OR MAINspring, 75 cents, other work if necessary at reasonable prices. Kling's Jewellery, 401 Yonge St.,

Hundreds of Wireless Operators Needed DOMINION GOVERNMENT NOW Calling urgently for trained operators who can send and receive messages in wireless code. graduates now in responsible posi-tions with R.C.M.P., R.C.A.F. Trans-Canada Airways, Dept. of Transport, Marconi Co., etc. For full particulars of proven training course and evening code RADIO COLLEGE OF CANADA

54 BLOOR ST. WEST, TORONTO For over 10 years a leading organization of its kind in Canada.

Information

Driving through Boston, Mass., one James J. Behr listened attentively to a broadcast of Information Please, obediently shut his eyes when he heard Master of Ceremonies Clifton Fadiman ask the guest experts to shut their eyes and tell the color of their ties. The experts knew and the sponsors paid nothing. Mr. Behr, who also knew, hit the car ahead of him, paid \$17.62.

Issue No. 44 — '39

LYONS TRADE-IN DEPT. 478-484 YONGE ST. **TORONTO**

Fall Clearance Sale Fine Reconditioned Furniture At Lowest Prices Ever Offered

EVERY article guaranteed thoroughly clean and sold with a definite money-back guarantee of sat-SIMMONS steel bed (walnut finish)

strong spring, new cotton-filled mattress with roll edge, and two new feather pillows.

SALE PRICE, 5 PIECES \$11.95
5-PIECE BEDROOM SUITE A PARTMENT size, in rich walnut A finish; vanity, full-size bed, chiffonier, sagless spring and new roll-

edge mattress. Cost new approximately \$95. COMPLETELY REFINISHED \$24.75 5-PIECE BEDROOM SUITE OVELY dresser, with swing mirror, chiffonier, full-size bed, sagless spring and new roll-edge cotton-filled mattress. COMPLETELY REFINISHED \$39 5-PIECE BEDROOM SUITE CMART dresser, vanity, full-size bed, in rich two-tone walnut fin-

ish, sagless spring and new cottonfilled roll-edge mattress. COMPLETELY REFINISHED \$42.50 5-PIECE BEDROOM SPECIAL BEAUTIFUL dresser, chiffonier, full-size bed, in rich two-tone walnut finish, sagless spring and new cotton-filled roll-edge mattress, COMPLETELY REFINISHED \$49 5-PIECE BEDROOM SPECIAL MODERN vanity with Venetian mirror, chiffonier, full-size bed, sagless spring and new cotton-fil

led roll-edge mattress. COMPLETELY REFINISHED \$57 8-PIECE BEDROOM SPECIAL BEAUTIFUL (Jacques) walnut suite, large dresser, chiffrobe, vanity, bench, chair, full-size bed sagless spring and new cotton-filled roll-edge mattress. COMPLETELY REFINISHED \$69 6-PIECE BEDROOM SPECIAL REAUTIFULLY decorated walnut suite, large dresser, vanity with

Venetian mirrors, chiffonier, fullsize bed, sagless spring and new mattress. Cost new approximately COMPLETELY REFINISHED \$95 8-PIECE OAK DINING ROOM SOLID oak buffet, extension table,

six leather-upholstered chairs, Cost new approximately \$89. COMPLETELY REFINISHED \$18.50 8-PIECE OAK DINING ROOM REAUTIFUL fumed oak suite, buf-D fet, extension table and six leather-upholstered chairs (cost new approximately \$100).
COMPLETELY REFINISHED \$24.95
9-PIECE DINING ROOM SPECIAL CMART suite in dark walnut finish,

buffet, extension table, china cabinet and six leather-seat chairs COMPLETELY REFINISHED \$49 9-PIECE DINING ROOM SPECIAL COLID fumed oak suite, buffet, china cabinet, extension table and six leather-upholstered chairs (cost new approximately \$125). COMPLETELY REFINISHED \$39 9-PIECE DINING ROOM BARGAIN ODERN suite (used only 6 mths.) buffet, china cabinet, extension table and six leather-upholstered chairs, two-tone walnut finish with maple overlays, Cost new approximately \$149.

COMPLETELY REFINISHED \$69 10-PIECE DINING ROOM SPECIAL MASSIVE solid walnut suite (Hespeler), (Cost new approximately \$550), large buffet, closed front cabinet, extension table, serving cabinet and six chairs, upholstered seats and backs in genuine leather. COMPLETELY REFINISHED \$139 BED-CHESTERFIELD SPECIAL CLOOR sample, upholstered in

brown repp, large wardrobe com-partment. Regular \$49, value. COMPLETELY REFINISHED \$29 CHESTERFIELD - BED SUITE CHESTERFIELD-bed with large, comfortable chairs to match, upholstered in figured rust

repp material; perfect condition. Regular \$117 value. 3 PIECES 10-PIECE CHESTERFIELD \$49 OUTFIT CMART 3-piece suite, upholstered in figured velour, bridge lamp and shade, walnut end table, smoker, two silk cushions and coffee table (Reg. \$150 value.) 10 PIECES \$35 CHESTERFIELD suite, large size, upholstered in brown mohair, figured reversible Marshall spring cushions; guaranteed thoroughly clean. Cost new approximately 3 PIECES CHESTERFIELD suite, 3 pieces, upholstered in brown repp, fig.

cushions; guaranteed thoroughly CHESTERFIELD suite, 3 pieces, upholstered in splendid brown silk mohair with figured reversible Marshall spring cushions. Cost new COMPLETELY RECONDITIONED \$ COMPLETELY RECONDITIONED ARGE variety gas stoves \$4.95 up; Lakitchen cabinets \$8.95 up.
ODD dressers, \$4.95 up; sewing machines, \$11.50. THESE are only a few of the many hundreds of outstanding bargains in a sale that we have never DON'T miss seeing this opportun-ity to buy furniture at such ridiculously low prices.

Liberal Terms Arranged On Any Purchase

LYONS TRADE-IN DEPARTMENT 478-484 YONGE ST. TORONTO ONE BLOCK NORTH OF COLLEGE OPEN EVERY EVENING-MI. 3566

Maginot Line "Impregr

The Maginot Line at raltar" to a Reuters Ne correspondent who, wil of British newspaperme France's defence fortiff

Camouflaged "A fort I visited is 1 a small bill scooped out the purpose. At the sur observation post guarde steel cupola weighing 3 in a great block of con

"At another point on a one of several gun turre

"They Shall Not P. with miniature railways 200 feet below ground, by sile after mile of barbed

the heaviest French tan burst through. "I left the Maginot Lined that the garrison's n Ne Passo Pas, is fully ju

Grand Mufti Flees



According to a report in don, the former grand a Jerusalem, Haj Amin El F recently escaped from Lebanon, where he is pic the ABOVE. It is understi he arrived in Iraq. The government holds the m sponsible for organizing the terrorist campaign and had ed him indefinitely from P It is feared that he may new anti-British campain that that Empire is engine European war.

Cod Liver Oil May Run S

Effect of War in North ready Felt in Cana

Shortage in the suppl

Autos Affect Realty Va

Real Estate Not Stational

of decline. Other centres and vantageous to more taken their trade."