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QUAINT OLD WALLS.

As in New England, they border the cooked before placing in the contain- add three pints of sugar, two ounces speed.

still planted, in this part of the coun- container need only be washed. try, only to divide field from field. Preserves include jam, jellies and gently in the syrup until tender, then

by a sort of rough string course, and for coping the top stones are set up on end close together.

It must be admitted that a shelf of asphalt occasionally replaces them, and is not beautiful.

But far more often you get, by way of variety, a primitive battlement of mud, in which seeds find lodgment and where they begin at once to weave a curtain of falling verdure lbs. of sugar or 68.9 per cent. and moss and to fill all the crannies To this may be added 3 per cent. with green as years go by, so that for the sugar naturally contained in the "mound" becomes really what it the fruit, making 71.9 per cent. sugar is called, and is hardly distinguish- This should keep. able from the massive granite and A drop of water on the surface of a earthenwork walls of the Cornish

TRAINS BLOWN AWAY.

way Trains During Gales.

The danger of trains being blown narrow-gauge railways, has been vir- hot, sterilize the top, seal perfectly tually eliminated on a stretch of while hot and turn the jar upside thirty-six miles along the Atlantic down. By this method molds are coast of Ireland, forming part of the eliminated to begin with and as with West Clare Railway, says London canned fruits prevented from enter-Tit-Bits. Prebably there is no other ing afterwards. line in the British Isles exposed to Preserves also lose color through such violent gales, and during a few the action of light. years prior to 1909 as many as five In case of jam and marmalade mod-"blow-offs" occurred, in which the erate firmness is desired. Jellies recarriages were completely smashed, quire to be quite solid. In all cases though there was fortunately no loss the solidifying is due to the combinaof life. In that year Mr. R. H. Curtion of sugar with a substance in the way a pressure-tube anemometer, fruit called pectin. The jellying or with electrical apparatus for giving solidifying only takes place when the two warnings by ringing a bell in the preserve is condensed to a certain exstation-master's house at Quilty; tent by evaporation. Some fruits the first when the velocity of the wind are low in pectin and will not properly reached sixty-five miles an hour, and solidify no matter how much condensthe second when it reached eighty- ed. A viscous, sticky syrup results. five miles an hour. When the first In any case the preserve is improved warning is given, 2,400 lbs. of mov- if a juice such as crab apple or curable ballast, kept for the purpose at rant juice is added. This juice is every station, is placed on each rich in pectin. By using it more vehicl of any train on the line at the sugar may be used, say 10 of sugar first station it reaches. When the to 8 of fruit. Thus the time of when no eggs are used. second signal is given, trains are cooking is reduced, color and flavor the apparatus was installed, in De- and solidifying results. cember, 1909, there has been only It will be seen that canning and signals.

Our Language.

"Our langue is, beyond a doubt, A joke,' said Mr. Blinn, "For when a man is 'down and out' We ay that he's 'all in'."

things with his money?" gives it all to me."



Canning and Preserving Fruits.

There are two distinct general held for a time ranging from a few fresh peaches, free from bruises, and and let the juice dry in, then polish in their use. methods of treating fruit so that it ing qualities upon heating and perfect sealing, whereas preserves need content prevents micro organism from acting upon the fruit.

Strictly speaking canned fruits and ever, is an ideal which is never retacks the tin, forming salts of tin, than by any other process. and the latter quickly destroy the cowith gold colored enamel.

fer most severely.

to remember regarding canned fruits | jars or large topped cans. is that changes such as fermentation due to micro organisms are not pre- free tone peaches, pare with silver vented by the sugar added. The knife as thin a peeling as possible. sugar used is for flavoring. Heating Cut in halves and remove the seed. and sealing kill the harmful molds Fill the cavity with the following mixand yeast and then keep others from ture: Cut one cup of preserved is being tried as a supplement to municoming into the container.

Furnish One of the Charms of Eng- before placing it in the jars or cans, tard seed, one teaspoon celery seed The stone walls of the Cotswolds, with hot sugar syrup, seal or partly seed. Tie the halves together care-make fast time to the scene of a fire, in England, one of their most per- seal, cook and then seal if sealing has fully and drop into a syrup made as and may be able to check a serious sonal charms, are called "mounds." not been done first. If the fruit is follows: To one quart of vinegar blaze in its inception by virtue of sheer The conventional hedgerows are lized first. In the second case the spices in a muslin bag and drop in

But New England farm folk never marmalade. If a fruit product con- lift from the syrup and place in the knew how to build a "dry" wall like tains 70 per cent. of sugar, by weight, jars. Cook the syrup until slightly It is of fairly even stones, laid Hence, if a person knows the weight seal. without mortar-in fact, with hardly of the ingredients put in a preserve a chind where mortar could be in- as well as the yields of the preserve serted. Some surfaces are marked one can usually predict whether the product will keep. Take the following case:-

Weight of fruit 10 Ibs. Weight of sugar 10 lbs. Total ingredients 20 lbs.

Yield of jam 14.5 lbs. Loss in evaporation 5.5 lbs. Thus 14.5 lbs. of jam contains 10 tural sweetness.

jars to be filled with jam or jelly should not be covered until cold because the steam rising from the warm Rallast Used on Narrow Gauge Rail- or hot product will condense on the cover and have the same effect as an added drop of water. It is is desiroff the rails, not uncommon on light, ed to cover precerves while they are

an operation or proportion is required. in much less time. A good set of scales might mean a saving of material to many a housewife.—Ontario Department of Agriculture.

Dees your hubard do foolish water; bring slowly to a boil. When no suet is at hand, and a lit- low maintenance cost. Under ordin- water bound, are practically elimination and two daughters. "We'll wouldn't say that. He jelly bag. For each quart of juice some dripping finely and usc. It will between sixteen hundred and twentyallow one tea cup sugar; boil five answer the purpose quite well.

minutes, bottle and seal. much richer than the juice made with beautifully.

the tame grapes. weeks to three or four years. These peel. Secure a large old-fashioned with a roft brush and then they will that canned fruit depends for its keep- ly peeled peaches and granulated su- more quickly and evenly than if cold gar, using about pound for pound of water is used. sugar and fruit. Place the stone covnot be sealed because their high sugar and fruit. Flace the some of the sealed because their high sugar and fruit. Flace the some of the sealed because their high sugar and fruit. Flace the sealed because their high sugar and fruit. sealing wax and bury in the earth, them on their own curtain rod and earth to prevent freezing or mound hem to hold them steady. preserves should keep the fruit in its enough earth over it to prevent freezexact original condition. This, how- ing, just as one does when burying gravy in a deep frying pan, season it cabbages or apples. Do not disturb and make quite hor, put in the meat

alized. If fruit is sealed in tin cans these for three months, and five is and simmer gently, but do not allow and then cooked long enough to kill better. When opened you will find to boil, as boiling makes the meat all the minute forms of life within the the most delicious preserves that can touch. can there are still several changes be imagined-better in flavor and difwhich may occur. Red fruits- ferent than from any other method. strawberries, raspberries, and cherries Something of the flavor of brandied are high in acid. The acid at peaches, rich and smooth and better Chipped Gingered Pear.-Use lor of the fruit. Such a change has eight pounds of pears, eight pounds

little effect on flavor and digestibility. granulated sugar, one pound candied Canners have largely overcome this ginger root and four lemons. Chip difficulty by obtaining a special kind or slice the pears fine, simply coring gar leaves no stain. of tin plate and by covering this tin and not peeling them. Slice the ginger root and boil with the sugar and Fruit canned in glass jars cannot pear, and four tablespoonfuls of walose color through tin salts. There i ter for one hour., Boil the lemons sometimes a change in color due to whole in a little water till tender, then on a string so it can be hung up to light. Here again the red fruits suf- cut them up in small bits, removing dry after using. the seeds, and add to the pears and Probably the most important fact boil one hour longer. Can in jelly

Peach Mangoes .- Use the large ginger into thin slices; add one tea- cipal fire-fighting. A machine of the There are two away in canning spoon grated horseradish, one table- side car type is equipped with racks fruit. Some people cook the fruit spoon each of black and white mus- for chemicals, axes, and other light time a good warrior." others pack the raw fruit, cover it and one-half teaspoon black pepper a light, speedy mobile unit which can

er the latter must be thoroughly steri- each cloves and cinnamon bark, put the syrup. Let the fruit cook very molds and yeast cannot live in it. thick, then pour over the peaches and

> Baking Soda Uses. There are numerous uses to which

baking soda can be put, apart from the accustomed and legitimate ones of cake and bread making. First of all, it is an excellent family remedy for scalds. When milk is on the point of turning sour a pinch of baking soda dropped in it will restore it to its na-A thick paste made of soda and wa- cause of the disintegration of water- material, width of roadway, etc. In reinforced concrete poles for electric

ter is excellent for cleaning glasses in bound macadam and gravel macadam considering the question of road cost lines. which milk, ice cream or other greasy roads is "internal attrition." when there is no time to make a mobile is travelling up a grade or been proven many times that this exsubstance has been standing, or even paste, if the fingers are dipped in wa- even along the level, there is a strong trainitial outlay is more than justipreserve dilutes it at that point and ter, then in dry soda, and the greasy thrust developed under the driving fied. with them, the marks will quickly disvehicle forward, tends to push the will likely start mold growth. Hence part of the glass is rubbed around wheels, which, while propelling the

Lamp chimneys treated in the same same is also true in the case of horseliancy. Soda is also excellent to course of plain macadam roads, clean silverware. Make it into a thin paste and rub briskly, then wash in hot water.

Things Worth Remembering. To remove paint from glass rub

with hot vinegar. Ether is good for removing grease stains from clothing. To prevent accidents, paint the bot-

tom cellar steps white. All suet puddings should be cooked a long time to make them digestible. Add a teaspoonful of salt to starch, with a suitable roller. This method when making, if a gloss is desired on has been followed on this continent to

Drive six brass-headed tacks in the roning board to take the place of a pared foundation to the desired thick- mud in wet weather. flat-iron stand. It is wise to put a little salt in the

water in which vegetables are wash-It will destroy insects. Allow two level teaspoonsfuls of

baking powder to each cup of flour To cut butter in, small even squares stopped until the storm abates. Since are retained, the yield is increased for the table, use a coarse wet thread as this leave no ragged edges.

The small pin feathers that are so one storm derailment, and this was preserving depend upon fixed laws. hard to clean from very young chickdue to deliberate disregard of the One should always try to explain why ens can be wiped off with a damp cloth Cold water closes the pores of the

Seasonable Recipes.

When boiling meat which is inclined to be tough add one teaspoonful of grapes and almost cover with cold vater; bring slowly to a boil. When the internal water and such connucted in the will this may be, as the well-known defident about offering a mark of this fects of ravelling, results of frost action, and of internal wear, also exvinegar. This makes it tender, and gives a good flavor.

When no suct is at hand, and a literance cost. Under ordination water bound, are practically elimination.

When holding meat which is inclinated this may be, as the well-known defident about offering a mark of this flow cost of maintenance. In the villow cost of maintenance in this may be, as the well-known defident about offering a mark of this did for his revolver.

Major Weller in 1885 married Miss water bound, are practically elimination.

When no suct is at hand, and a literance cost. Under ordination water bound, are practically elimination.

The sent the margening.

When had such connucted in this may be, as the well-known defident about offering a mark of this did for his revolver.

Major Weller in 1885 married Miss water bound, are practically elimination.

When no suct is at hand, and a literance cost. Under ordination water bound, are practically elimination.

Before polishing furniture, wipe over with a cloth dipped in hot water

ger-marks will not show.

and a great saving in labor effected.

and wrung out. If this is done, fin-Ability. If furniture is washed with luke-There are already about 1,700 diswarm vinegar and water before polish

is applied, very little will be required A use for old velveteen-Take a

piece the size of a duster and tie it over the head of a broom used for This is wiping down walls. It cleans them for them to take up again their form-To shine shoes quickly do not take them up again without the aid Earth Peach Preserve.—Procure blacken but rub on a piece of orange of artificial appliances and training

serving. Many people do not realize closely fitted stone cover, something large and prethe difference. We find, however, on the tasmon of one old-style charms. They will dampen list, will make them as eager to re-When madras curtains are launder-

leaving the jar low enough in the putting a heavy rod in the bottom When reheating meat place some

> To clean dark varnished front doors, rub over, after dusting, with a little brown shoe polish on a piece of cloth;

will look as if newly painted. To remove the shine from serge, sponge the dress or suit with hot vinegar and press in the usual manner and all shine will disappear. The vine-

polish with a dry duster, and the door

A small sponge the size of an orange will be found very practical to have to wash the little ones with, and more satisfactory than a cloth. Tie

MOTORCYCLE FIRE ENGINES.

Carries Apparatus and a Crew of Two Fire-Fighters.

The motorcycle, which has distinguished itself as a family vehicle and a bearer of despatches in war-time, colonel?"

Costs More.

"I've tried to teach my boy the

which in a comparatively short time

causes internal wear, and results in

the formation of depressions and hol-

lows, even though the foundation may

To overcome this difficulty, dense,

heavy, refined tars have been used as

a "binder" for many years in Eng-

method followed has been to mix the

crushed stone or slag with the heavy

refined tar (at boiling temperature)

and place the mixture on the prepar-

ed foundation, consolidating the whole

be still firm and unyielding.

value of money." "Good thing!" "Well, I don't know. He used to behave for ten cents, but now he wants a quarter,"

THE DISABLED HERO.

No Effort Too Great to Restore His

abled soldiers now under treatment in Canada, and almost every week CONTRACTOR IN CHARGE OF NEW sees more of them arriving from the

Some of them, of course, are. so seriously disabled that it is impossible er occupations, or, at all events, to

the days that lie before them.

try, till lately, had no organized system established for fitting these men Canals. He was superintending ento turn to civil life?

the country would suffer from, if and construction of the proposed they were left, untrained and unaid- Welland Ship Canal, which is estied, to remain idle or to pick up any mated to cost \$50,000,000. ed, to remain idle or to pick up any . He has had a varied experience casual or temporary job they might both as a soldier and as an engineer. happen to come across?

In France, skilled scientists are set apart by the Government to devote land Battalion, and as staff adjutant their whole time to directing and at the base under Major-General J. W. training the permanently disabled so Laurie. Later he served as captain that they may do the best for them- and adjutant in the 59th Stormont and selves. The same problems in Canada Glengarry Regiment, retiring when are being met by the same wise con- senior major on moving out of the trol, and will be solved, we have every district. He was a member of the Bisreason to hope, under the guidance of ley team of 1896, winning many prizes, the Military Hospitals Commission.

It is the business of every true Canadian to help the Commission and was successful in winning the cup. its Provincial auxiliaries by backing up its efforts to restore these men's capacity, and by helping to get them work they can do with profit to themselves and to the country.

Strong Point.

"Why have you never married, "Because I feel that a man cannot

be a good husband and at the same "You overlook the advantage of be-

Times Changed,

Newcomer (at resort)—"Is this a restful place?" Native-"Well, it used ter be until

folks began comin' here fer to rest." Girls who want to marry are always looking in shop windows for new

For every million tons of coal mined four or five men are killed and from

on a five-year basis, or longer, which

The Part Played by Refined Tars in Modern Road Building.

By J. RANDALL ROBERTS, B. Sc.

When a heavy motor truck or auto- is really the proper method, it has

There are several refined tars on the but it is generally conceded, where

market, one of the best known being the choice lies between the two, that

MAJOR S. L. WELLER **BUILDER OF CANALS**

WELLAND CANAL.

Was Member of Bisley Team in 1896 and Served in North-West

Rebellion.

Maj. J. L. Weller, on whose shoul-They are heroes, we say; but the ders rests the main burden of the glamor of heroism will not content mammoth construction work now in progress on the new Welland Ship Canal, is a native of Ontario, having been born at Cobourg in this Province, some 56 years ago. He was graduated enlist in the peaceful work of the from the Royal Military College with community that they have helped to honors in 1883, taking the first prize preserve. The pensions that are due in civil engineering, physics, and artifthem will be an assistance but never lery. He has been constantly in the a substitute for honest livelihood in employment of the Department of Railways and Canals of Canada from 1883 to the present date, being contry, till lately, had no organized sysgineers of the Welland Canal from And do we realize the waste of 1900 to 1912, and at present is engingood human material and ability that eer-in-charge of the survey, design

He served in the North-West Rebellion in 1885, as lieutenant in the Mid-Cup. He was also a member of the kolapore Cup team of that year, which



Major J. Weller.

He was placed in charge of the re-Road Construction and Maintenance pairs of the disastrous break in the Cornwall Canal bank in 1908, which was repaired by building a timber crib dam 428 feet long by 20 feet wide and 20 feet high around the washout, in ten days, and the canal was in operation in less than three weeks afterwards. Among his other claims to It is a well recognized fact among | than the corresponding plain macdistinction may be mentioned the fact highway engineers that one great adam, depending on length of haul of that he was the original inventor of

Major Weller's great daring and re-The consideration of road costs over a party of Government officials on a appear and the glass become bright. | venicle forward, tends to push the question of maintenance, the importance of which is only just beginning to be recognized by the average muniway will shine like crystal, while if a drawn vehicles, only here the "thrust" to be recognized by the average muniweather is usually cold and the lake cipal official. Tar macadam should is under the horses feet. This be wetched closely during the first the lamp to burn with renewed brilwhich develop, such as formation of Efforts to free it were unavailing and depressions, or buckets, due to poor navigation of the boat was rendered foundation, or lack of sufficient impossible. The only solution was for "binder," should be repaired at once, so that the whole road will wear uniformly. Under a comparatively waters of the lake, and with a fair gale heavy mixed traffic, composed of both blowing. Major Weller volunteered horse-drawn and motor driven vehi- for the service, and, after stripping off cles, light annual applications of light his outer garments, was lowered down years on this continent. Abroad, the refined tar (cold application) with behind.

sand covering, give the most econo- Owing to the coldness of the water mical maintenance. The use of refin- he was unable to accomplish the task ed tar in both construction and maintenance prevents in greater measure the formation of dust from the road ing the propeller, but not sufficiently itself, which helps the maintenance to enable it to be operated. It was thereby, owing to the retention of necessary for him to be raised and the road material in place, eliminates lowered five times before the task was age of "tar macadam" is built by the the cost of water sprinkling where completed, and by that time he was penetration method. In this case, the such would otherwise be necessary, completely exhausted and indifferent layer of stone is placed upon the pre- and also prevents the formation of as to the state of the elements. With to his robust constitution, he was gradness, and then "grouted" with the It might be thought to be more ually brought back to normal, but not heavy refined tar, at approximately economical to build a plain macadam without serious cogitation on his part boiling temperature. The road is then road and maintain it by surface treat- as to the possible consequences of such finished by covering this course with ments of refined tar, than to build exposure. By next day he was himself smaller stone, sealing same with ad- the road as a tar bound macadam in again, and had added another instance ditional refined tar, and then covering the first place. This might be true to the many where his daring has with sand or screenings and rolling. under very light traffic conditions, overcome difficult situations.

Major Weller was a splendid markstarvia. A tarvia "X" macadam road for practically all locations where corresponds very closely to the standard English practice in new construction.

for practically all locations where man, having been, as mentioned above, a member of the Bisley Team of 1896, from which he brought back many trotten. Tar macadam is an especially suit- macadam. However, both tar bound just mentioned, he would often enterable type of road for trunk line high- and tar surfaced macadams are far tain the party by shooting pennies gar or cologne added to the water also ways, where the traffic is fast and superior to a plain water bound macheavy, on account of its durability and adam road, no matter how well built panions, who had such confidence in

all juice seems free strain through a tle is required for puddings, ets., chop any conditions, this type of read costs and through a tle is required for puddings, ets., chop ary conditions, this type of read costs are surfaced was a few along graduated from the land through a transfer of the strain through a transfer of through a transfer of through a transfer