

Succeeding Gresham Vindicator, Gresham Gazette, East Multnomah Record, Multnomah Record and Montavilla Herald. Published Every Friday at Gresham, Ore., by the BRAVER STATE PUBLISHING CO H. A. DARNALL, EDITOR AND MANAGER.

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Their course has been run. The

best that will be done for them in

many instances will be to let nature

have its way, and perhaps in time

a new sod of native grasses will

cover the wornout ground. In that

event the service of that soil is lost

for a generation. The same is true

of the waste in the care of the farm

machinery. In this country it is es-

pecially important that all machin-

ery should be well housed in the

winter. Even then rust makes great

inroads. But we need not wait for

winter to economize on machinery.

A thorough overhauling before the

spring work begins, occasional tight-

ening up during the summer and

careful putting away in the fall will

save the life of many a tool. Its ex-

istence will be doubled and the su-

periority of its service twice doubled.

Now many farmers fasten their tools

and harness together with strings,

bits of rope and baling wire. We

know a farmer-an Oregon farmer

-that wears out a good spring

wagon in two seasons; that demol-

ishes a new heavy set of harness in

three years. His method was to wire

gether. His new wagon was soon

rattled loose and the pieces were

wired together. The result was that

the surfaces touching wore many times faster than they would have

had he had it snugly bolted, or

riveted, or bolted. His stuff literal-

Oil and paint and housing are money

savers, as every progressive farmer

There is a good deal of interest

will testify. Try them.

broken tugs, halters or bands to-

EDITORIAL COMMENT

Which One Is Bravest?

Which one is bravest, he who stands alone, Or he who stands supported by his friends?

He who weaves life's smooth and glittering threads, Or he who ties its broken, knotted

ends?

Which is the hero in life's hurrying strife. And which the martyr in its toll-

some part-He that in pride and power presses

Or he that carries joy and strength within his heart?

And who shall say when all his

work is done, Which one shall have inscribed upon his brow-"Success"-the adulation of the

world, And which before God's mighty throne shall bow?

'Tis not for us poor human things to know These mysteries deep hidden from

our sight; But he is bravest who walks on

alone In obscure paths that leadeth from the light.

And he who carries joy and strength within his heart, And struggles on unaided and

alone, ly went to pieces; fell apart, like A very hero and a martyr is, moth-eaten cloth, and his money And greater one the world has was lost long before his neighbor

never known. had considered the necessity of a -Selected. new coat of paint or a new harness.

The Herald is interested in any movement that looks to the betterment of Gresham and the adjoining country. We have an interest in all the country of Eastern Multnomah and Clackamas. Haven't we a loyal lot of supporters throughout all this all over the country at this time in territory? Haven't we in this area the production and use of denaturas good soil, and as intelligent a ized alcohol. That sounds strange. class of farmers as can be found in Denaturized alcohol is simply alcoa similar area anywhere in this state hol produced under centain condior in any other? We recognize, too, that there has been a tendency on the part of a few persons to feel that their particular spot was the whole thing, and because some one else was doing something there was cause for enmity. Now, what helps one of us helps the other. Let us drop local selfishness and work together for the development of our country. Twenty times as many people might live here and be happier, better fed, better housed and with better prospects than now occupy this area. Good cultivation is what increases the wealth of any such country as this. Where we now keep one cow we could easily keep ten. Clear off the stumps. Just cut down the brush and sow clover, and where you now feed a calf you can feed several cows. And don't forget to drop neighborhood envy and all boost together. If you can't land the newcomer in your town, send him to Sandy, Troutdale, Cleone, Boring or any other place in this vicinity, but keep him here-near.

cohol from the fermented substances cost of raising calves up to two at this time. There is not at present such an institution in this state. To make the use of alcohol general, cheapness in manufacture is of first importance. At present it costs about 65 cents a gallon. This should at least be cut 50 per cent. It can be done so if it can be produced at home.

A second cause for delay in the use of alcohol is the limited sale of utensils for its safe handling. But we are assured that this is not half so serious as we are at first led to believe. Several firms are placing on the market lamps, stoves, irons and various sorts of boilers for the use of alcohol, and others will follow as soon as the people are ready for them.

The secretary of the Fair Association would like to get in touch with all the young people of the county who have any idea of entering into the contest for the juvenile poultry prizes. The prizes now number eight and total \$70. Write to the editor of The Herald and he will enroll you and try to keep you informed of CENTS & DAY. This certainly places a premany matter that will be of special interest.

The dairyman who fails to succeed in raising calves on skim milk successfully usually fails because he feeds too much of it or because he would fail even if he fed whole milk. But failure generally results from feeding too much of the skim milk. It has been generally believed that skim milk is not as nutritious as whole milk and that more of it has to be fed in order to make up for the butter fat that has been extract-This is a great mistake. The ed. result of heavy feeding is not added nourishment. It is rather indigestion, followed by scours and bloat.

When the calf is dropped allow it to suck once and then remove it from the mother. If it is dropped in the morning give it no feed until the following morning. The calf will then be hungry and will drink without the finger. Give it from three to four pints of its mother's milk twice a day immediately after the milk is drawn from the cow. A small calf should have three pints and a large one four pints.

This should be continued for about a week. The escond week it should have skim milk and whole milk half and half, but the amount should half and half, but the amount should not be increased. This is very im-portant. The third week all skin milk should be fed, but a teaspoon-ful of ground flax should be gradu-ally increased until by the end of the fourth month it receives ten pints of skim milk and a tablespoon-ful of flax meal twice a day. After the first month it should have ac-cess to a little early cut hay and a little whole oast, or a mixture of a little whole oast, or a mixture of whole oats and bran or shorts.

The most important points are strict regularity in time of feeding. quantity and temperature of milk, which should be from 98 to 100 degrees Fahrenheit, and absolute cleanliness.

is called distillation. It is to this process that we are chiefly concerned at this There is not at the process that we are chiefly concerned their dams but a few times, after which they were hand fed. The their dams but a few times, after which they were hand fed. The coat was calculated on the follow-ing prices of food-stuffs: Whole milk, \$1 per cwt.; skim milk, 15 cents; roots, \$4.50 a ton; alfalfa hay, \$5 a ton; grain, \$16 a ton, and pasture, \$1.50 a month. The aver-age weight at birth was 76.4 pounds and at two years of age 1.037 and at two years of age 1,037 pounds. The average cost of keep with 12 head the first year was \$19 and the second year \$17.97. The total cost of keep to two years of age, \$36.97. Eight of the helfers averaged two years and two months old when they were first milked. By reducing the amount of whole milk consumed, the cost of production the first year may be reduced. To feed a minimum of whole milk and keep the calves in thrifty condition the change to skim milk must be made carefully .--- Field and Farm.

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The largest typewriter concern in the world offers the best typewriter in existence for 17 CENTS A DAY. This certainly places a prem. for the County of Multinomah. um on PENNIES! It recognizes honesty as a

ommercial asset. Simply save the small change that now sitps through your fingers and own the magni-ficent new OLIVER No. 5.

The Purchasing Power of Pennies

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Summons.

MINNIE BRANDON, Plaintiff.

JOSEPH B. BRANDON, Defendant

SUMMONS To Joseph B. Brandon, defendant To Joseph B. Brandan, defendant: In the Name of the State of Oregon: You are hereby required to appear and answer the complaint filed against you in the above en-titled Court and suit on or before the End day of April, 1009, which is the last day preserthed in the order for the publication of this Sum-mons for you to so appear, and if you fail to so appear and answer, the plaintiff will apply to the above entitled Court for the relief prayed for in her complaint, in the above entitled suit, to-wit: That the bonds of matrimony now existing between plaintiff and defendant be forever dissolved, and that the plaintiff herein have the care and custody of the said minor children mentioned in the complaint, and for such other and further relief as to the Court may seem equitable and just.

ourt may seem equitable and just. Court may seem equitable and just. This summons is published pursuant to an order made and dated on the 9th day of March. 1999, by the Hon. C. U. Gantenbein, presiding Judge of the above entitled Court, by which order it is directed that this summons be pub-liahed in the Beaver State Herald, once a weak for six consecutive weeks, and the date of the first publication is the 17th day of March. 1999, and the date of the last publications will be the 2nd day of April, 1809. O. M. HICKEY, Room SE Worcester Att'y for Plaintiff. Bidg., Portland, Ore.

Bidg., Portland, Ore.

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Few farmers appreciate the possibilities for loss or for saving their resources. We well recall the experiences of our boyhood when neighboring farmers harvested many acres of hay they never used, because they neglected to properly head out their stack, or because they did not even get it into the stack before the fall rains came. When it was fed they overfed, and as a consequence a large portion of it was tramped under foot and never did any one any good. The part that was wasted would have paid the interest on the mortgage easily. The compost that should have been hauled to the fields was left to wash away from the yard and escaped into the air. The loss by this source would have paid the mortgage off and the soil from which the crops were gathered would have been richer for the cultivation and fertilization. Now many of these fields are worthless, uncultivated, sterile.

tions and to this is added small quantities of ill-smelling stuff, or something that would be offensive to the taste. This would prevent its being used as a beverage, and at the same time not impair it for fuel.

Perhaps it would be of interest to the general reader to know something about the nature and composition of alcohol. The chemical components of alcohol are carbon, hydrogen and oxygen. These are present in any quantity of the product in the following proportions: Carbon, 2 parts; hydrogen, 6 parts; oxygen, 1 part.

Now the principal sources of alcohol is from sugars, sweet substances and starches. You will readily see why when we tell you that sugar and starch are both composed of exactly these substances in different proportions. The process of producing alcohol consists in treating the sugar or starch in such a way that a reorganization of the elements will occur, and as a result we would have alcohol. This process of reorganization is brought about through the presence of an invisible germ producing a condition of fermentation, in which the elements are associations are formed, just as you it can be taken out once a week and $$25_{tro}$ and I do when we breathe air, and yet when the air is expelled from the lungs we have changed some of the air to carbonic acid gas. But the result of the action of the ferment is far more important, relatively, since about half of the weight of sugar is changed to alcohol. Anything that contains starch or sugar or starch will produce alcohol, hence we have almost an unlimited source for the substance. All sorts of grain, garden vegetables, potatoes especially, sugar cane, corn stalks, beets and even sawdust has been used for this purpose." Many of these things ntay be produced and stored for an indefinite period, and others, as fruits, require more prompt attention.

The process of separating the al- tion

When fed in this way the calf will always act more hungry after taking

its meal than it did before, but this is better than having a case of calf scours to deal with. The milk should be measured each time with a clean tin cup. Each calf should be fed by itself in a clean tin pail. which should be washed and scalded after each milking, just as carefully as the pails which are used for milking. Place the calves in small stanchions while they are being fed, so they will not get the habit of sucking each other. Have the little manger in front of them wide enough so that the pail containing the milk can be set into it. Have partitions in the manger so that when the calf is done drinking take out the pail, and if the calf is old enough to eat oats or bran throw in about a tablespoonful and it will soon get in the habit of chewing the grain as soon as it has taken the RAILROAD milk.

About that time it wants to do something and if it is not fastened in a stanchion or kept away from its neighbor by some other means it will amuse itself by sucking the other calf's ears.

The bottom of the manger should be a dressed board about ten inches scrubbed with hot water and soap.

In feeding skim milk remember that there is just as much nutriment for building body tissue as there is in whole milk. The butter fat can in the East only be used for making body heat low coloni and body fat and the flax meal will ture about take the place of the butter fat. The dresses to calves at the Minnesota Experiment way you o Station are handled as above out- growth and lined under the direction of Professor Haecker. It is the same plan that has been followed for years for anyone and he has been very successful in to. Depos raising calves on skim milk. He says that he considers the skim milk our local a equal in value to whole milk for ticket prot raising calves, and while they do not get as fat they have just as good a growth and are quite as thrifty. Pac. Homestead.

The Orego The professors at the Utah sta- Southern undertook to determine the

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