THE OREGON STATESMAN, SALEM, OREGON, THURSDAY MORNING, DECEMBER 8, 1927

## **Continuation of the Slogan Page:** Subject this Week, the Mint Industry

# ROM THE LARGEST MINT DISTRICT IN THE STATE, IN LABISH SECTION

fter Much Experimenting, The Growers Around Brooks Have Found the Best Methods-Labor Figures Less in the Mint Crop Than in Most of Other Crops Raised on the puble Land There

which tests much higher in this ditor Statesman: The unusual high price paid for district than the average. A great lint oil years ago, was directly deal of the mint oil goes into the sponsible for the stimulation of manufacture of chewing gum, that his industry which although be- great American institution, while an around 1917 on the low lands confections and drugs come in for "this country, had up to then their share. As a little bit of this en but partly successful. essence goes a long way, it is easy Complete crop failures in the to overload the market, while on arge areas given over exclusive- the other hand, as it is raised in to mint raising and from few localities, a little bad luck whence the bulk of the oil con-would again make prices soar. sumed throughout the country is CECIL VERE ASHBAUGH. obtained, caused unheard of prices, Brooks, Ore., Dec. 5, 1927.

to be offered for the essence; and nose who had held on year after ear, although often at a loss, eaped the benefit.

As is usual in such cases, other rops were replaced with acres of mint, and now as the prices are about normal there is not the profit obtained from the valuable land given over to its culture that some G. J. Moisan Tells of Diffiother crops might give. A few were fortunate enough to have contracts, however, and those still have a good thing.

Is Easy to Raise

Mint is a comparatively easy Editor Statesman: crop to raise: the one requisite being cool, moist ground. The tracted for mint roots from a the fact that the ground when roots, dropped in shallow fur-grower near Albany, Oregon, plowed was left loose and air rows, readily take hold and spread. These were the first mint roots pockets dried all roots before we rapidly. They may be cut the that came near Gervais. S. D. packed the ground.

first year, though the plants will Manning. John Kuschnick and It be at their best until the sec- Fred Manning took these roots and year. Once a good stand is and planted them on a basis of 50- advise any new grower. cured, the crop may be harvest- 50 for oil and roots. The roots year after year. The lowlands were badly damaged on account resent one serious disadvantage of being dug and sacked long beto any crop that may be given fore they were planted, and from do11.

**Present Approved Methods** froy much of the cultivated crop, to grow food stuff.

really in the long run, aids its After the War

rant growths. Those who have Manning and Fred Manning picked

MINT HARVEST SCENES

#### On a comparatively small acreage, largely in marshy lands of Michigan and Indiana, is grown the mine from which comes the nation's peppermint supply, used

in dentrifices, drugs, candy and gum. Accompanying are a mint field and a load of mint ready for distilling a still for extracting the

culties In Starting In the Business

**GERVAIS SECTION** 

During the spring of 1913 I con-sequently all roots died, owing to

ence, we are in a good way to

Now Growing Successfully We are now growing mint suc-

G. J. MOISAN. and muck fields reached a pre-

## HERE IS A MAN WHO IS NOT GUESSING **CONCERNING OIL SENT TO THE MARKETS**

He Ships Peppermint Oil Only That Goes Above the Govern- produce a very superior oil. ment Standards, and He Is Able to Certify to This Fact, by Putting It Through Processes That Make It That Pure 1st in charge of testing for us. -And All of It Goes to the Markets Under the Name of Oregon Oil, Which Now Stands for High Quality Among Salem. Ore., Dec. 5, 1927. the Qualified Judges and Buyers

Editor Statesman: All contracts for the sale or completely absorb or take into finery in Salem, already working purchase of peppermint oil have complete solution not less than and being increased in capacity the expression, "Prime natural one part of oil.

oil of peppermint." The question We also try oil with litmus as complete as the best brains, arises, what is prime natural oil paper to determine the possible expert skill and liberal money exof peppermint? The answer is presence of some undesirable ac-penditure can make it. Mr. Herthat it is the product taken by ids. Prime oil has no effect on rold is too modest to make such steam distillation from the plant litmus paper. known as mentha piperita and The Physical Tests

said product conforming to certain paragraphs:

In color it ranges from a very known as the physical tests of oil, some hints, at least, about what light golden yellow to a rather Prime oil passes all the above great benefits all this is going to deep yellow with a greenish tint, tests. If it fails to pass one or mean to the Salem district.-Ed.) And it should be of a lustrous more it is safe to say that there sparkling color rather than a dead are weed oils or other foreign oils

one. present in the peppermint oils. The specific gravity must fall Hence it follows that we make the between 0.896 and 0.908. By that above tests to determine the purity we mean that oil is lighter than of the oils offered for sale, and the water. If a volume of water tests really serve that purpose. weighs exactly one pound the It is very hard to find anything Headquarters for same volume of oil will weigh but good oil of peppermint that about a fourth to a third of a will pass the requirements. pound less than the water at the The Quality Tests

same temperatura, Then there remains the chem-Oil is also tested in an instru- ical assay of oil to determine the ment called the polariscope. A total menthol content and the ray of light is passed through ester content of the menthol. some glass prisms and also Menthol is the chemical name of

through a tube of oil and the the drug that forms the largest through a tube of oil and the the drug that forms the largest keep on Giving tain position to produce the test. of menthol is one form of the drug This is known as the "optical ro- called menthol. It requires a long tations" of oil of peppermint and and very careful chemical anal-

sample of oil. It must be done polariscope. There is another instrument by an experienced and competent

known as the refractometer. Oil chemist or mistakes will be made is tested by this instrument and and injury done to either the buymust read on its scale between er or seller. There must not be less than 50 per cent total of men-

Another test of oil is its solu- thol and of that 50 per cent at bility in 70 per cent alcohol. Four least 5 per cent must be in the form of esters. Then there is the

most to do to advance their industry is to place an oil very high in the above tests on the eastern markets under an Oregon name and label. The world markets don't know our oil and never will until we compel them to. There is no question but we can and do

Grant W. Shaffner is the chem-L. O. HERROLD.

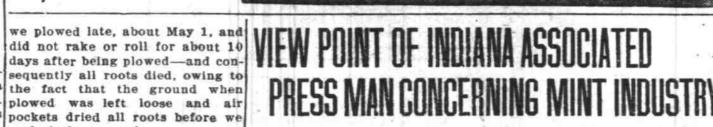
(Mr. Herrold himself grows 300 acres of mint; in several sections of the Salem district. He markets parts of the above alcohol must a lot more. He has the first reand equipment, and due to become statements: and there are a lot more that the writer is sworn not

The specific gravity, the polar- to divulge. But, under another tests as set forth in the following iscope, the refractometer, the solu- heading, there are some facts bility and litmus paper tests are about his refining operations, and





be prime TRIPLEX oil because it does not have the



With all this practical experi- Says Current Sales In East Hover Around \$3 a Pound, and That It Costs \$2.50 a Pound to Produce It-Says Observers Predict an Increasing Demand for Peppermint Oil

(The following Associated Press many years the price of oil did not must fall between a minus 23 and ysis to determine how much mencessfully; have found out the item, under current date, origin- greatly exceed \$2 a pound. While a minus 33 on the scale of the thol and esters there are in a best tools to work with and the ates at South Bend, Indiana, and Indiana is credited with more acrethem, namely, the rapid and lux- these roots and from the plantings best time to work the mint. comes in the special illustrated age, Michigan has the larger urious growth of weeds and grass- and acreage that have come from There is no reason why the grow-news service of that news agency:) farms. One firm alone has 2,000

ing of mint cannot, even on "Peppermint oil, once so pre-acres, the largest mint farm in the growing mint here was discourag- small acreage, be as profitable clous that dealers kept it stored world. Some of the fields are a ing. Then the world war came as any other commodity grown in in bank vaults, has built and shat- mile and a half in length, covered 1.4600 and 1.4710. To combat this, it is found that on and mint growing was neglect- the valley. We bar speculators, tered dreams of wealth in shorter with mint two or three feet high. To combat this, it is found that cultivation, which, seeming to des- ed, some plowing their fields up but if a man who grows mint will time almost than any other farm Thirty pounds of oil to the acre is

mium in Michigan and Indiana.

sell when there is a profit, he crop. Two years ago a pound of it a fair production although some will have little trouble and ex- brought almost \$30, buyers fought fields have produced nothing be-

insured themselves of better prices the mint industry will be trams.

demand for oil. In respective or- facts. One of them is found in

der of importance it is used in the above Associated Press article.

"Observers predict increasing The reason is contained in two

almost 100 pounds to the acre.

... Oregon Will Persist

ferred to the Willamette valley.

ing gum, and in the retail drug \$2.50 a pound to produce pepper- young nurses at a local asylum.

time will come, as a matter

growth and keeps down the vag-rant growths. Those who have Manning and Fred Manning picked of Manning picked of Manning picked of Manning and Fred Manning picked of Manning pound. Some say \$1. They can above tests and yet not be prime cultivated. have reached

Humt.)

"There is practically no coop- most twice as much on the ave-

grow more to the acre here; al

that water will seek its level.

ENGLISH NURSES ILL-PAD

BASINGSTOKE, England-Pub-

tried both methods, find that in a up roots from ditches, fence lines Gervais, Or., Dec. 3, 1927. few seasons the grasses and weeds and anywhere they could get (Mr. Moisan, pioneer mint "As quickly as it rose the price will eventually crowd out the mint sprouts and started new fields. grower in the largest mint grow-decreased. Current sales hover erative organization among mint rage. And our mint is better; and flavor. It is a drug and not crop and make the hay, or cut In 1919 they had a sufficient ing section of the valley, is one around \$3 for a pound, and pro-producers, although efforts in that stronger: goes further. It has a a food and is used largely to proand a such poor quality that amount of roots to plant many of the successful men in the in-ducers say it cost \$2.50 a pound direction were made in 1925. At larger menthol content to the ere is no money in handling it. acres, which was divided among dustry. He was secretary of the to grow it. This year's crop is that time better sales could be pound, and a larger ester content. other products, hence must con-The better method, and the one many growers, from three to five mint growers' association for this a subject of controversy. Buyers contracted individually. An or- Has a better flavor. These things form to the tests and also produce that is being adopted by those who acres each. S. D. Manning and section, which has not been very declare supplies are plentiful but ganization of limited function exhave made a study of mint, is to myself planted this year (1919), active in the past year, but ought growers insist production is in-lists in South Bend and another world mint center to Salem as and odor are determined only by keep the crop in well defined rows 40 acres on the Hayes estate. to be revived and made 100 per adequate. Whatever even tenor one operated in Oregon." where small plows are used for the three miles east of Brooks. The cent strong, if possible.

cultivation. Another method, and spring was late, and after plantore that has proved its worth, is ing we waited for the rows to be to clip off the tops by mowing visible before cultivating. Inached its height. This has two cultivating of mist, we allowed wahtages; it helps kill or constant is acres to become a green ack the weyds and tends to make field of pigweed, and of course a thicker growth to the mint the mint would not come through plants. The season just past was to show us the rows. We then a very poor one for the harvesting employed help, which consisted of of the crop. Early rains wet the boys and girls from 12 to 16 years And the Factory of Eastman trade. Makers of dental cream mint oil, in Indiana, Michigan, They were receiving only about ground so thoroughly that it was and men and women at 50 cents difficult to dry the cut mint and per hour. The work was very te-

much of it was put through the dious as well as expensive. We stills practically green. Authori- managed to get clean enough to ties claim that by so doing, some distinguish rows. We then began to cultivate with single horse cul-20 per cent of the oil was lost.

Two By-Products Besides the oil there are two that when we tried to cut with a kind, for the success of the indusother products or by-products that mower we could not do it, owing try.

are obtained from the crop. One to the deep ridges in rows. We are obtained from the crop. One then secured the help of six to Oregon, with one of the largest Distilling is a problem. Most growstilled. This makes a very good eight men to cut with scythe. This sheet metal plants in the west, ers have their own equipment alstilled. This makes a very good was very expensive, as mint had have been making mint stills. The though custom stills are operated. it readily. The other is the root grown quick and heavy and men mint industry has helped them. Private stills do not pay on less crop, which, when the prices of with scythes had to cut up one and they have helped the mint inthe oil were high, was a lucrative side of the row and back on the dustry, by making a superior still. ever, mint production frequently

**Skeptical?** 

A trial will prove its merit.

You must be satisfied -- you

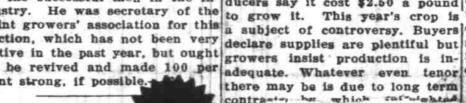
part of the industry, as every one other. wanted roots for starting a patch

More Trouble

Before we finished distilling thoroughly and economically. of mint. A field of mint could be stripped of its roots, and yet there rain and wet weather were so bad Extensive experiments were would be abundance left in the that we were compelled to leave made before the manufacturing of soil to make a crop of such thick about one-third of the mint al- the first stills was begun. The is perhaps more certain. The enorgrowth that the roots dug and ready cut on the field. We had world does not know a better dissold would never be missed. In several hundred pounds of oil and tilling plant than the one made by the acreage seriously. fact, many claim that the stirring sold it for \$1.25 to \$1.75 per the Eastmans.

"Michigan and Indiana claim of the ground to get the roots is pound-not very profitable that They have published a bulletin year. The next year or spring, on "Peppermint Culture and Dis- 85 per cent of the total mint acrebeneficial to the next crop. There is estimated to be about time for plowing and cultivating tillation," compiled by themselves, age, with Oregon, Washington and acres now in mint in this was so wet we could not get on This is a distinct contribution to California ranging next in imporeighborhood, meaning the Labish that ground, so we let it go as the important and growing mint tance. North Carolina raises mint on her reclaimed swamp lands and section and tributary. The yield meadow, not plowing at all; only industry of the Salem district. runs from 25 to 100 ponuds of oil doing some hand weeding such as It will pay any one interested small amounts are grown in per acre, while the price ranges dock, smart weed and pigweed. in the mint industry to get a copy Wayne and Seneca counties, New York, cradle of the industry. This We received this second year of this bulletin. from \$2 to \$2.75 the pound. year's acreage was above 50,000

Labor figures less in the mint about 40 pounds per acre, and crop than in most of the other handled more than three tons of A southern woman has named acres and production approximatcrops raised on this valuable land, herb per acre, on account of it her son "Bobby" after her hair, ed 750,000 pounds. "New York farmers started bringing the net profit a little being very thick mint. It grew and we suppose if man ever comes higher than would appear from thick and late, and no leaves on back into his own, they may start growing mint as early as 1816. naming children "Baldy" by the but production did not spread to these figures. The quality of the the bottoms of hte stems. same token .- Ft. Wayne News-Michigan and become established The Third Year soil is exceedingly good. This is as an industry until 1875. For based on the menthol content. The third year on this 40 acres Sentinel.





Bros., Silverton, Helps the Mint Industry

One thing brings another. The mint industry has brought the

weeds overrun their crop and contaminate the oil so much that it

So Eastman Bros., Silverton. suffers discounts on the markets.

One that sells at a reasonable is considered a subsidiary indusprice, and one that does the work try, and as one producer drops out another fills his place. While not always as profitable as truck

crops adapted to similar land, mint mous price reduction has not cut

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Salem, Oregon.

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5 <			

characteristic peppermint odor TT toasts, broils, boils, fries, poaches - three operations at one time. Connects to any electric duce a certain flavor and odor in socket.

Here is a beautiful gift that will be used every day-a permanent reminder of the giver.

The name Hotpoint guara smelling and tasting the oil, and The language under the cut is experience is necessary to judge

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was the Associated Press derof its values thereby. Tests Are Required

tilling.

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The above tests are required by Atmactively the United States government and other lic attention has been focussed on markets is judged and valued by the small pay of nurses in Great these same tests. Hence prime oil dentifrices, confections and chew- in which it is stated that it costs Britain through the strike 'of is an oil that passes the above outlined tests. Oils which are deficient in one or more of the requirements can often be brought up to the standard by refining or redis-

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dl'à

declare the world is just begin- and other eastern states. The oth-Read the Classified Ads quality higher. That is, our grow-

\$175 a year.

ning to brush its teeth, and candy er is found in the fact that the manufacturers report steadily in- overhead is lower here, and the creasing sales. "Generally the mint supply is less than the demand. There are tivators and ridged the ground so necessity of mint stills. The right Growers become discouraged when

than the open market brings.

growers, accepting a sliding scale, of course, when

