

BIG INDOOR CIRCUS AND CARNIVAL

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OIL IN WRAPPERS PRESERVES APPLES

(By M. S. Wall, of the lubricating division, San Francisco, in "Among Ourselves," employees' magazine of the Standard Oil Co.)

To him who rambles on the hills the things he sees by the wayside and the experiences of his travel are frequently of as much interest as the object of his journey. The student in his laboratory may achieve not that which he set out to accomplish, but a combination of greater potency. The first small boy to fly a kite little dreamed that it would be used some years after to demonstrate the identity of lightning and electricity. Or, later still, that as a method of meteorological observation as many as 10 kites together would be flown to a height of more than four miles on a wire "string" eight miles long.

Similar experiences are characteristic of the oil business. The pioneers later, a member of the sales force sought an illuminant which would give a clear steady light without smoke or odor. Its manufacture left a highly inflammable product for which there was no use. Worse than useless, its disposition presented an exceedingly difficult problem, owing to its explosive nature. Today it drives the motor vehicles of the world and is frequently considered the most important of all petroleum products.

The volume of gasoline is largely consumed in the single field of transportation; that of kerosene is somewhat more divided between lighting, heating and providing power. Still greater diversity of use is seen in another product. The ways in which these houses develop are the object of our present inquiry.

Some years ago there was brought to our attention this problem of the candy trade: In the making of certain candies the ingredients are rolled and cooled on marble slabs. The sugar in the mix would cause it to stick hopelessly to the slabs, unless the latter were greased. Certain vegetable oils had been used for this purpose, but their tendency to become rancid frequently resulted disastrously. Our company solved the difficulty for the candy interests by producing a highly refined, pure neutral oil, which would never become rancid, yet would serve all the purposes of the oils that had been previously used. Descriptive of one of its characteristics, this oil is now called Oronite Crystal Oil.

Later, a member of the sales force conceived the idea that this oil might keep fruit and vegetables from sticking to the drying trays used in dehydrating plants. A trial demonstrated its value for this purpose. As it later became generally used in these drying establishments, the discovery was made that it served two other useful purposes: It prevented the wooden trays from splitting under the heat of the drying process, and stopped the absorption of the fruit juices which previously made the wooden trays unsanitary.

Oronite Crystal Oil will prevent the materials from sticking to candy slabs and fruit trays, it ought to prevent sticking, and render more sanitary, the great hoppers in which dried fruit is stored, reasoned one of our special agents. It did.

In packing plants where catsup, tomato puree, and fruit preserves are prepared, the material is cooked in large open vats, and it has a tendency to boil over as it cooks. As oil remains on the surface and is less susceptible to agitation under heat, it is used as a float. An observing Standard Oil salesman proposed Oronite Crystal Oil as a substitute for the vegetable oil then in use. On trial it proved to be even better. Moreover, there was absolutely no danger of its becoming rancid or imparting any flavor to the product. Oronite Crystal Oil is now widely used for this purpose.

Another special agent discovered that Oronite Crystal Oil could be used as a float in the vats of grape juice to prevent fermentation.

Despite the remarkable success achieved in the preservation of foods by cold storage, until recently cold storage eggs have not been perfectly satisfactory, the reason being the tendency of the egg to absorb the odor of the strawboard liner, which becomes moist under cold storage conditions. It was necessary, then, to find a way to seal the egg shell. A means for doing this was developed several years ago.

The process consists in immersing the eggs from seven to ten seconds in a neutral mineral oil heated to a temperature of from 200 to 260 degrees F. Of major importance in the success of the process are the characteristics of the oil. Our Oronite Crystal Oil has proved to be the best oil for this purpose.

Eggs so processed are sterile, air- and moisture-proof, will not lose weight in cold storage, and are kept in perfect condition. Removed from cold storage, the processed eggs cannot be detected from fresh eggs, and may be used in precisely the same manner as the product fresh from Petaluma.

While the processor of eggs uses Oronite Crystal Oil to exclude air, the fruit and pears give forth odors of a gaseous nature. Certain of these gases on coming in contact with the air condense on the skin of the fruit, causing decay to set in. This is called "scald." In their effort to control scald, the federal government experts sought to absorb these injurious gases with tissue paper wrappers about the individual fruit. While partly successful, it was found that the paper transmitted other forms of rot from one fruit to another.

The paper was then treated with paraffine, but it would not absorb the gas. Vegetable oil treated paper was next tried. It absorbed the gases, but its vegetable content supported the growth of mold and mildew and became rancid. A neutral mineral oil was then tried.

Today Oronite Crystal Oil treated wraps are the most successful on the market. Not only do they assure control of scald, but through oversight a partly decayed fruit has been packed, the paper forms an impervious coat about it, and the rot will not be transmitted to the other fruits in the case.

In its watch over the preparation and shipment of the nation's food supply, the federal government frequently issues rulings concerning methods of preparing and packing which emphasize the necessity for using materials of the highest degree of purity. Oronite Crystal Oil, because of the high degree of refining to which it has been subjected, has that purity which is essential. It is absolutely odorless, colorless and tasteless. Being a pure mineral oil it will not become rancid, as do vegetable and animal oils, and it will not support mold or mildew.

These characteristics give Oronite Crystal Oil a wide range of possibilities in the processes affecting the preparation of many foods. In greasing the steam cookers, the kettles and the copper tubing of canneries, in lubricating moving parts of food packing and meat cutting machinery where they come in contact with the food, as

well as in the uses set forth herein, this product is serving.

A striking proof of the purity of Oronite Crystal Oil is found in its uses in sterilizing surgical instruments. Germ life is killed by heat. To accomplish this purpose, the instruments had been plunged into boiling water which had a temperature of but 212 degrees F. With the use of Oronite Crystal Oil instead of water, this temperature can be increased 100 degrees F., thus increasing the efficacy of the sterilizing process.

Manufacturers of face creams, lotions, and cosmetics require a "base" or a carrying agent for the chemicals and other materials which renders each product distinctive. While there are many such bases on the market, our Oronite Crystal Oil has frequently proved itself to be more satisfactory than others.

The polished steel work of vaults and safe deposit boxes in banks requires a cleaner and rust preventive. As usually but little air circulates in these vaults (many are below ground level) it is highly important that an odorless product be used. Here again Oronite Crystal Oil is used with complete success.

And the end is not yet. Other needs doubtless will be found for this one product. One of the interesting phases of sales work is pioneering for new fields. Each new use adds to the volume of sales. Here we have seen how the uses of one of our products expanded, and we manufacture four hundred products from crude petroleum. Their possibilities are a challenge to every Standard Oil!

EDUCATION BILL WILL RAISE TAXES

Thousands of Pupils Now in Private Schools Would Increase General Levy.

One hundred per cent Americanism is a fine thing—we all want it and nearly every one stands for just that. But there are a good many people who want to define the other fellow's Americanism.

Some think 100 per cent Americanism just now means to close up all of the old established private schools in Oregon in which several thousand pupils are being trained for life's work and to force their parents, through the so-called compulsory education bill to be voted on in November, to go to the public schools.

There is now in force and has been for many years, an educational bill which compels parents to educate their children; but, following the constitution of the United States and of Oregon, it gives parents the right to say whether they shall educate their children in private or public schools. But that doesn't satisfy a certain element, members of which have now initiated a proposed law to close the private schools and deprive the parents of any choice of educational agencies.

Should this bill become the law of Oregon, it would add more than \$1,000,000 to the tax rolls by throwing thousands of private school pupils into public schools and onto the general tax rolls. Large sums would have to be expended for buildings and equipment, for the private school buildings would be scuttled by this act. Taxpayers would therefore have to shoulder this additional burden without gaining anything worth while.

School Bills

By Dean Collins in Oregon Voter

In killing a cat, 'tis a popular way To coat with sweet sugar the pill. So the kitty all purring and eager and gay Will gulp it and get very ill; In killing a school, it is sometimes the rule To use not the brutal sand-bag. But to make an exhortation about education And flap the American flag.

CHORUS:
School bills, school bills,
Dear old Frank and fool bills.
Make it compulsory, that's the plan,
Teachers are scarce but of course we can
Help things along by cutting short
All private schools of every sort.
Will that make things nice? Well, we should shout!
Though it would make trouble for kids.

The camouflage art we learned in the war Will help in political play, And a camouflaged bill is a splendid thing for The stowing of rivals away. All faiths and all creeds we may tolerate Without an equitable cause— We may tolerate—but we beg here to state They must think precisely with us.

CHORUS:
School bills, school bills,
Dear old Frank and fool bills.
Bring out the standard they used to raise
Back in the witch-burning bygone days.
"Freedom shall flourish—but we'll flay
Whoever thinks some other way
Than we, when they vote." (Signed
K. K. K.)
Though it may be hard on the kids.

Voters, Do You

Understand?

That the so-called compulsory education bill, on the November ballot, would close every private school of grammar grade in Oregon?
That it would deprive parents of the right to send children to any religious school or non-sectarian school privately operated in Oregon?
That it would confiscate millions of dollars worth of property without cause, now devoted to private school work?
That it would add more than \$1,000,000 annually in taxes to the taxpayers by throwing several thousand pupils into public schools, for whom buildings would be necessary?
That it violates the sacred rights of parents to train their children as they deem best, by robbing them of their constitutional right to attend privately-operated schools where religious thought is featured or to a non-sectarian school, such as Hill Military academy?

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Cadets Take Provisions to Poor Families



JUNIOR NOBLE AND JOE HILL

In addition to their training in regular school courses of study the younger cadets of Hill Military Academy, Portland, are given military drill and lessons in service to others. Paul Noble and Joe Hill (both Juniors) are among the small boys of the academy who joined the basket brigade on a recent expedition made by the young pupils of the school and who took baskets of provisions to poor and deserving families. When the fall term opened recently, the first thing these lads asked was, "May we save our allowances up for a basket shower?" Saving allowances means no candy for several weeks and that takes courage when one is seven years old.

Under the provisions of the so-called compulsory school bill, to be voted on November 7, this school, among many others which teach just such principles, would be forced to close.

Education Bill Unnecessary.

The so-called compulsory education bill is unnecessary, according to many-suff opinions, because Oregon already has such a law. It is working well, is fair all around—why change it?

See the Lang range at H. S. Brankman's, Smith Bldg., before you equip your kitchen. You'll be sorry if you don't.

Why Stir Up Strife?

The so-called compulsory education bill, on the November 7 ballot, has already stirred up much religious strife. Why make it a law and continue this harmony-destroying program that can do no good?

Searches of records and reliable abstracts made by Oregon Abstract Company, A. W. Oatman, Manager, 308 Oak Street. Phone 1521. 1920-14

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