

SEEKING ORCHARD HEATING PREVENTING SOOT DESTRUCTION

In an effort to secure a crude oil orchard heater that will consume the carbon and prevent the destruction of trees by soot, Attorney W. E. Phipps wrote the Standard Oil Company as follows: "Medford, Ore., June 29, 1914. "Standard Oil Company, San Francisco.

"Gentlemen: Since I have lost two consecutive crops of fruit by frost, I have been attempting to devise some practical method of orchard heating and have a plan which, although somewhat embryotic, I desire to submit to you.

"The scientific orchardists have come to the conclusion that smudging with crude oil will ultimately destroy the orchards because the soot stops up the pores of the leaves, preventing the tree from securing the proper nutrition from the air. Some of them also maintain that this heavy smoke prevents the pollenization of the fruit, diminishing or destroying the crop, at least for the current year. However this may be, it is universally recognized that the crude oil smudge is at least a great nuisance, not only to the employees and residents of the orchard district, but to the community generally, including the cities, for the smoke blackens and discolors everything out of doors and within.

"The plan I have is simply the construction of a small lamp like stove, somewhat similar to the oil stove sometimes used for heating a single room. The construction contemplates a bowl holding a gallon or more with a burner and sheet iron chimney within a larger sheet iron drum. This should have secured some way to the top a tentacle like hanger which would revolve, making it adjustable to hang upon the limb somewhere near the center of the tree. The orchardists could by this means light the lamps of an evening, whenever the temperature indicated danger of frost, hang the heaters in the trees, and retire with the full confidence that their crop would be secure from danger by frost.

"It would be necessary, I presume to burn the ordinary kerosene unless some burner has been or can be devised for burning the crude oil without smoke. Not being much of a mechanic I am not advised whether a burner for crude oil is practical, but I believe that even to burn kerosene would incur less expense than the ordinary smudge pot system. I have talked with two or three mechanics here, but so far have not found anyone who seems to be able to perfect the plan suggested and I feel convinced that you, with abundant resources and with most skilled mechanics at your command, can perfect this plan, thereby revolutionizing the present system of orchard heating.

"The details herein may be too meager to convey the idea of the proposed heater, but if you think the matter feasible, after referring the same to one of your mechanics if necessary I will explain it more in detail. "I should be glad to hear from you at any rate, for I would not only like to save my own crop of fruit, but would like to do the whole country a benefit by assisting in the construction of a practical method of heating orchards. Yours very truly, "W. E. Phipps." (Standard Oil Company)

"San Francisco, July 2, 1914. "Mr. W. E. Phipps, Medford, Oregon. "Dear Sir: Referring to your letter of June 29th relative to orchard heating. We have carefully noted what you have to say regarding the use of crude oil in orchard heaters with the resultant soot and smoke. Also your suggestion as to the use of a small lamp like stove for the same purpose.

"We have given the orchard heating question considerable attention although it is not the intention of this company to market an orchard heater, and do not believe that the scheme of a heater burning kerosene oil you have outlined anticipating the use of a heater burning refined oils will be satisfactory or economical. "The manufacturers of orchard heaters today are recognizing the necessity of putting out a heater that will burn heavy oils without giving off soot or smoke and so far there are several heaters that have been perfected to this point.

"We understand that the Star Orchard Heater Co., 1765 12th street, Oakland, Calif., is prepared to furnish a heater that will burn the heavier oils and which will not give off soot and smoke.

"For more information we suggest that you communicate with these people direct.

"Should you require prices of oil we would be very glad to furnish the same. Very truly, "Standard Oil Company."

YUCATAN RUINS REAL AMERICAN ARCHITECTURE

WASHINGTON, D. C., July 7.—Edward H. Thompson, former United States consul at Merida, Yucatan, in a communication to the National Geographic society, at Washington, D. C., describing Chichen Itza, the home of a forgotten race, on the Peninsula of Yucatan, declares that the American people should awaken to the fact that they have right at home architecture essentially American and ruined structures every whit as interesting and massive and possibly as old as those of other lands, who boast that American must come to them.

"Within these mysterious American ruins are great books, with pages of stone, written in characters that no man may yet read," he declares. "Are the mysteries they hold, the wonderful facts that certainly he sealed and mute within them, hidden from us, less interesting to Americans than are the tales of Egyptian dynasties, the rites of Druids, Roman camps, or Saxon raidings? I think not."

World's First Tennis Court Mr. Thompson describes what was probably the first tennis or basketball court on this hemisphere and possibly in the world. "The ruined group of Chichen Itza covers a space of fully three square miles," he says. "Over all this wide territory are scattered carved and squared stones, in countless thousands, fallen by the hundreds, while the formless remains and outlined walls of huge structures fallen into ruin are seen on every side. Seven massive structures of carved stone and adamantite mortar still tower erect, and almost inhabitable. Their facades sustain claim that Chichen Itza is one of the world's greatest monuments of antiquity.

"Several hundred feet to the west of the Castle Temple rest two great parallel moles of solid masonry, each 275 feet long, 34 feet wide and 25 feet high. Between these moles is the Ceremonial Court. This level cemented space was probably the theater for the performance of certain rites and games of a ceremonial character. This belief is borne out by the fact that a distance of six feet from the level upper surface of the mole two great rings of stone were fixed into the perpendicular wall surface, directly opposite each other.

Estimates of City's Age Mr. Thompson declares estimates as to the age of the city vary from less than 2000 years to more than 11,500 years. An idea of the intricacies of the language of the people of the city is given by the following quotation from a document found there: "Lal u tzolan katun luket ti cab ti yotoch Nonoual," which is translated to mean, "This is a series of epochs that elapsed from the time of their departure from the house of Nonoual in the land of Tulapan."

MUTINY AMONG HUERTA'S FORCES

WASHINGTON, July 7.—Brigadier General Funston in a despatch to the war department today confirmed reports of a mutiny among General Huerta's forces before the American outposts at Vera Cruz. General Funston said the Mexican commander had informed him of the mutiny and of the threats to attack the American lines.

General Funston also informed the war department that marine private Heinrich Thobe, who recently mysteriously disappeared, was within the Mexican lines and unharmed but gave no details.

Boy or Girl? Great Question!

This brings to many minds an old and tried family remedy—an external application known as "Mother's Friend." During the period of expectancy it is applied to the abdominal muscles and is designed to soothe the intricate network of nerves involved. In this manner it has such a splendid influence as to justify its use in all cases of coming mother-hood. It has been generally recommended for years and years and those who have used it speak in highest praise of the immense relief it affords. Particularly do these knowing mothers speak of the absence of morning sickness, absence of strain on the ligaments and freedom from those many other distresses usually looked forward to with such concern. There is no question but what "Mother's Friend" has a marked tendency to relieve the mind and this of itself in addition to the physical relief has given it a very wide popularity among women. You can obtain "Mother's Friend" at almost any drug store. It has helped a host of mothers to a complete recovery. It is prepared only by Bradford's Regulator Co., 301 Lamar Bldg., Atlanta, Ga. Avoid the many worthless substitutes.

PREDICTS BRIGHT RAILROAD FUTURE FOR MEDFORD

To the Editor: Does Medford know of all the good things in store for her? Does she know certain railroad interests know of the meat of making use of the P. & E. and the Barnum road? Up the Deschutes, over the Cascades via Fish Lake, down through Medford and over into the Applegate valley, up Williams creek and through a short tunnel at the head of a branch of Williams creek and down Sucker creek through the Illinois valley, on to the coast and San Francisco.

All this means much to Medford, not only for competing railroad freight and passenger business, but touching close to Crater lake on one side and the Grayback caves on the other, making Medford the city to both. Of course such a road will help Eagle Point, and a town somewhere near the mouth of Sucker creek yet to be built that will serve the local farming and mining communities of that famous Illinois valley, but such towns will be tributary to the central city—Medford.

All this leaves Medford the city of access to Crater lake on one side and the caves on the other accessible both by the present Southern Pacific and the new road. It will not only make Medford the center of these scenic attractions, but will bring the Illinois valley with its rich farming lands and surrounding mining tributary to Medford. All this depends on getting through the Grayback mountains, and it is known to but few that is easy up and down certain branches of the main water courses and a short tunnel. All this is in the near future, and I trust I am not violating confidences.

Yours respectfully, MAX FIGURES, Portland, Or., July 3.

DOMINICI APPOINTED MINISTER FROM VENEZUELA

WASHINGTON, July 7.—Santos A. Dominici has been appointed minister from Venezuela to the United States, succeeding the late Minister Rojas. Senor Dominici now is minister to Great Britain, Germany and Belgium.

MODEL RURAL HIGH SCHOOL FOR COUNTRY DISTRICTS

ST. PAUL, Minn., July 7.—One of the most notable social center movements and extensions of high school activities inaugurated in the middle west was outlined today by Principal Thomas J. McCormack of the township high school of La Salle and Peru, Ill., an institution organized under the Illinois township high school laws, and combining all the features of a junior college for a rural community, with the avoidance of the multitudinous dissonances between cultural and vocational education now in the minds of advanced educators.

"In the four buildings which constitute this unique plant," said Mr. McCormack, "not only is instruction given and contemplated in all practical and cultural line, including subjects so far removed from one another as agriculture, art and tenical music, but private donations have permitted the construction of two buildings that contribute to the educational facilities and serve distinctly different purposes for the community. Those are:

- "1—Gymnasium building with swimming pool, bowling alley, billiard room, club and reading rooms, library, music, art and lecture rooms, which, with the large high school auditorium, are used both day and night by school and public; and
- "2—A hygienic institute under a trained medical expert and assistants, with a bacteriological and pathological laboratory, not be duplicated outside of the great metropolitan centers, a milk station with a trained nurse and a classroom for the instruction of girls in the care of the babies and the general hygiene of the household. This institute, while primarily founded to safeguard the health interests of the cities of La Salle, Peru and Oglesby, is directly affiliated with the school, and officials assist in the instruction of the school class."

Independence merchants demand establishment of a cannery.

Patronize Home By smoking Mc PHT, the best 5c cigar on the market.

REPRIMAND FOR GENERAL EVANS FROM PRESIDENT

WASHINGTON, July 7.—The reprimand which President Wilson ordered for Brigadier General Robert K. Evans will take the form of a letter from Secretary Garrison, admonishing that officers not to discuss controversial subjects in public.

At a banquet recently in New York, General Evans, temporarily in command of the eastern division, was reported as referring to the United States as the most "meddlesome nation." Although he declared he had been misquoted, General Evans admitted discussion of American diplomacy.

Secretary Garrison's letter will close the incident. General Evans, who was relieved of the command of the eastern department by Major General Wood, is under orders to return to command the second brigade of the first army division on the Mexican border.

ENGLISHMAN FREED BY AMERICAN AID

WASHINGTON, July 7.—Official confirmation of the release of St. Clair Douglas, the Englishman charged with assisting the federalists and condemned to death at Zacatecas by the constitutionalists has reached the state department. The United States made representations in his behalf.

TUBERCULOSIS

In addition to plenty of fresh air and proper diet, those suffering from or who are predisposed to Tuberculosis are recommended to use Eckman's Alternative to stop night sweats, banish fever and hasten recovery. This medicine, by reason of its successful use during the past, warrants the fullest investigation possible by every sufferer. Eckman's Alternative is most efficacious in bronchial catarrh and severe throat and lung affections, and in rebuilding the system. It contains no narcotics, nor harmful or habit-forming drugs. Accept no substitutes. Sold by leading druggists. Write to the Eckman Laboratory, Philadelphia, Pa., for booklet telling of recoveries.

Quality! Not Premiums



STAKE a dime on the Camel Cigarettes, but don't look for premiums or coupons, as the cost of the tobaccos in them prohibits their use.

Camel Cigarettes—20 for 10c—are a blend of choice quality Turkish and domestic tobaccos. They do not leave that cigarette taste and cannot bite your tongue or parch your throat.

You haven't money enough to buy a more delightful cigarette.

If your dealer can't supply you, send 10c for one package or \$1.00 for a carton of ten packages (200 cigarettes), postage prepaid. After smoking one package, if you don't find CAMELS as represented, return the other nine packages and we will refund your money.

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Final Clean-up of Women's Suits	Great Savings in Silk and Dress Goods	
All Suits Values to \$15.00 Now, each \$5	15 Fine New Suits this Season's Latest up to \$25.00 values, each \$10	
All Suits values to \$40.00 including this Season's Newest Models each \$15	New 36-inch Imported Chiffon Taffetta Silk Regular \$1.75 value, now yard \$1.33	
	25 Pieces New Tub Silks, \$1.25 value, now yard 98c All Colors	
	2000 Yards New All Wool Dyes Goods up to 75c values, now only yard 44c	
	New 44-inch Summer Suits up to \$1.75 values, now yard 89c	
New Moire Ribbons 75c values now yard 48c	New Shadow Lace Ruffling now Special yard 39c	
Great Sale of All Wash Goods	Expansion Sale of Summer Underwear	
5000 yds. New Poplines, Voiles, Crepes and Fancy Wash Goods, values to 45c, now only yard 21c	New 36-inch Dress Linens all colors, 50c values, now yard 32c	
3000 yds. Dress Gingham and Percales up to 20c values Expansion Sale Price, yard 12c	10 doz. Womens Summer Vests Good Quality each 4c	
	Womens Union Suits 40c values Now only 29c	
	Womens Fine Summer Vests All Styles, 20c values, each 15c	
	Womens Fine Ribbed Vests 35c values, now only 22c	
All Notions Reduced.	Great Sale of Bath Towels.	Expansion Sale of Hosiery.
50 Beautiful New Parisols, in all colors, up to \$1.50 values, now each 98c	5 Dozen New Model Corsets Good \$1.25 value now, each 89c	Womens Muslin Gowns, values to 75c, now each 50c
	Womens 16 Button Gloves, all colors, \$1.25 values, now at pair 89c	Children's Knit Waists, all styles Good as most 25c values, now each 12½c
	100 New Middies, all styles, values to \$1.25, on sale at each 98c	Womens Two Clasp Kid Gloves crepe at \$1.00, pair 69c
New Crepe Petticoats \$2 values now \$1.19 each.	New Girdle Belts \$1.50 values Very Special 98c	