

WHEN YOU GO TO PORTLAND, STOP AT THE NEW
HOTEL FOSTER

Third and Davis Streets, Near Depot
200 Rooms with Hot and Cold Running Water and Telephone. Free Baths.
Rates 50c, 75c and \$1.00 per Day
Special rates for Room and Board.
Free auto bus meets every train or boat

Skylights Tanks Gutters
Down Spouts Steel Ceiling
J. C. BAYER
204 Market Portland, Oregon
SEND FOR CATALOGUE.

BELMONT AUTO SCHOOL
You get the most thorough instruction in driving and are not only able to be licensed, but also able to work, fill parts and change tires. Fully equipped machine shop and school rooms. Tuition for \$35 cash, \$40 on account, \$50 per week.
BELMONT AUTO SCHOOL & GARAGE.
East 23d and Harrison, Portland, Or.

Keeley ALCOHOL CURE
OPIMUM—TOBACCO
Habitual, Habitual, Habitual.
Only authorized Keeley Institute in Oregon. Write for illustrated circular.
KEELEY INSTITUTE, 71 E. 11th St., PORTLAND, OREGON.

PORTLAND 20 HOURS COOS BAY S. S. Breakwater
1440 Horse Power and Equipped with Wireless
SAILS EVERY 5 DAYS
At 9:00 a. m. from Ainsworth Dock.
C. J. MILLIS, Gen. Mgr.

Improved Train Service TO CENTRAL OREGON VIA Oregon-Washington Railroad & Nav. Co.
Daily Train Service between The Dalles and Madras.
Leave The Dalles 12:50 p. m., Arrive Madras 5:45 p. m.
Leave Madras 9:00 a. m., Arrive The Dalles, 1:55 p. m.
Direct connections with trains leaving Portland at 7:50 a. m. and 10 a. m.; also from Walla Walla, Pendleton and intermediate points at Deschutes Junction.
WM. McMURRAY, Gen. Pass. Agt., Portland, Oregon.

PLAN YOUR VACATION NOW THE SOUTHERN PACIFIC LINES IN OREGON
Have in effect low round trip fares to
NEWPORT, YAQUINA BAY.
Sale dates daily.
NORTH BEACH RESORTS
Sale dates daily.
ALL POINTS EAST.
Special dates June to Sept.
National Educational Association Meeting
International Sunday School Association.
For fares, sale dates, etc., consult any S. P. Agent, or write to
Wm. McMURRAY, G. P. A., PORTLAND, OREGON

THE TURPENTINING OF PINE TIMBER



TURPENTINE STILL

THE naval stores industry is one of the oldest industries in the United States, deriving its name from the fact that in the early days pitch from pine trees was commonly used to make wooden vessels water-tight. The term has persisted to this day, though the products long ago found other and more important uses.

The turpentinizing of pine timber began in New England with the "pitch," or yellow pine, of that region, but it was in North Carolina that the first extensive development of the naval stores industry occurred. The records show that from 1768 to 1770 the average exports of naval stores to England included 88,111 barrels of crude turpentine, 20,646 barrels of pitch and 88,366 barrels of tar. Most of the crude was shipped to England for distillation through the ports of Wilmington and Newbern.

The supplanting of the iron retort by the copper still in 1834 greatly increased the output of volatile oil and gave much impetus to the industry. However, previous to 1844 not over one-half of the production in North Carolina was distilled at home. Then, because of the poor market for resin, the stills were transferred from



Hauling Crude Resin to the Still

recently that state has been surpassed by Florida, which is producing nearly one-half of the total value of the yearly output of the naval stores industry. After following the long-leaf pine forests to their southern limits, turpentinizing swung to the westward across Mississippi, Louisiana and Texas, the latter state having become a considerable producer only within the last seven years.

Until recently naval stores were entirely produced by one of the crudest and most destructive systems of forest exploitation ever devised. Great damage by fire and storm has always followed the turpentine box. Thousands of acres of splendid long-leaf pine forests have been abandoned and destroyed after three or four years of turpentinizing, and the valuable timber which they contained not utilized. The earlier operations of the turpentine were comparable in their destructiveness only to those which swept the buffalo from the western plains. The buffalo was killed for the hide and horns; the long-leaf pine tree for a

gallon or two of turpentine and a few pounds of resin.

The destructiveness of the box system at last became so apparent and widespread that to perpetuate their industry the operators were forced to turn to other methods. Various substitutes were proposed, and experimental work of the forest service in methods of conservative operation dates from 1901, when Dr. Herty undertook the studies with whose results you have long been familiar.

The efforts of Dr. Herty and other experimenters have demonstrated conclusively that improved methods, in which a cup is used to catch the crude turpentine and the box done away with, result in the production of a larger quantity of turpentine and resin, high grades of the latter, longer life to the timber and greatly lessened damage from fire and wind. The introduction of these methods is the first step in conservative turpentinizing.

Because of the increased initial cost of the equipment such methods have not appealed to the smaller operators, who have little capital, and whose operations extend over only two or three years in a given locality. They are



Cutting the "Box"

the ports to the woods, and a heavy onslaught upon long-leaf pine forests of the south began.

North Carolina reached its maximum in naval stores production in 1879-80, with an exportation of 5,279,250 gallons of turpentine, and 663,967 barrels of resin. A comparison of this great exportation with a total production in North Carolina in 1908 of 732,000 gallons of turpentine and 131,900 barrels of resin tells the story of the exhaustion of the long-leaf pine in that state. South Carolina attained its maximum output of naval stores in 1882, only two years after that of North Carolina. The invasion of new forests of virgin timber brought Georgia to the front a few years later, but



New System of Turpentinizing

Had Lost His Chance.
Years ago when the "Panhandle" railroad was in course of construction its progress was a matter of great interest to the people of the region, says the Youth's Companion. A farmer who sold provisions to the contractors often reached the place where the men were at work at meal time. He was greatly impressed at their voracity. The work was hard and when the dinner bell rang every man made a dash for the table and before one could believe it possible the food had disappeared. One day a workman on his way to the table tripped on the root of a tree and fell. He lay quite still, making no attempt to rise. The farmer rushed to him in great concern. "Are you badly hurt?" he asked. "No," answered the man. "Well, why don't you get up and go to dinner?" "No use," returned the other, sadly. "It's too late now."

Don't Use Pockets.
Doctors are now earnestly condemning the habit men have of keeping their handkerchiefs in their pockets. They say this special dark spot is never really clean and is full of

germs, that colds in the head and more or less serious poisoning are engendered.

There is only one wise and healthy way to carry a handkerchief; that is in the sleeve.

Makes Living in Odd Fashion.

The almost limitless methods of the poor to earn an honest penny are often interesting. A veteran in Paris seems to have struck out a line for himself distinctly original. He has received permission to stand outside a large establishment. He is provided with cards in duplicate, and on his cap is a band on which can be read the words "Garden de bicyclettes." As soon as a cyclist customer arrives he dismounts, receives a ticket from the old man, who places the duplicate on the cycle, and takes charge of the machine till the owner's return, receiving a small honorarium for his services. The "vieillard," who is described as of a happy and obliging nature, makes a good living in this way.

Too many of us examine our troubles through a magnifying glass.

unquestionably profitable to the larger operators and especially to those who, working upon their own timber, have the most inducement to handle it carefully. Only within the last five years have these improved methods been introduced upon a commercial scale.

Yet the fact that already one-seventh of the entire output of naval stores is by those methods, and that in the newer fields and most up-to-date operations they are used most largely demonstrates that they have passed far beyond the experimental stage.

R. S. KELLOGG.

Murdered Youthful Lover.

A recent Italian elopement had a tragic sequel a few days ago. A Neapolitan goatherd named Pisone, who had eloped with his sweetheart because the girl's parents refused to sanction the betrothal on account of their unequal social status, has been barbarously murdered. The youthful couple were traced to Naples and arrested by the police. The girl was handed over to her parents and Pisone was committed to prison, whence he was recently released through the intercession of influential friends. The girl's father, Signor Ciccarellin, was astonished to see Pisone tending his goats in the vicinity of his house. He let a couple of ferocious mastiffs loose upon the lad, and then calling to his five sons they beat him to death, and threw his body down a ravine.

Satisfied.

"All that glitters is not gold," quoted the moralizer.
"True," retorted the demoralizer.
"But fortunately the majority of people are satisfied with glitter."

Overflowing Manuscript Bearer.

Weather permitting, and sometimes when the weather did not permit, Mr. Greeley wore his famous white overcoat, writes Hugh Thompson in the Scrap Book. It was not exactly white, but of a yellowish hue. By this coat he was as well known as by any other physical token, and it distinguished him in a crowd or on the street as much as the celebrated white plume of Henry of Navarre indicated the presence of that gentleman in a melee.

One very characteristic thing about Mr. Greeley—and it fits into a description of him—was that he was a sort of overflowing manuscript bearer. The pockets of every garment he wore were stuffed and crowded with manuscripts, books and papers. Even his famous beaver hat was full of sheets.

Unconscious Entertainer.

"Jane Hooper said you amused her more than anybody she ever met."
"That's very strange. All the jokes I told her seemed to fall flat."
"Oh, it wasn't your jokes—it was your face!"

GOOD? SURE IT IS

It's Good when the stomach is bad.
It's Good when the bowels are clogged.
It's Good when the liver is inactive.
It's Good in any malarial disorder.

HOSTETTER'S STOMACH BITTERS

AVOID SUBSTITUTES. TRY A BOTTLE TODAY.

Not So Bad as He Seemed.
A curious incident occurred at a children's matinee in a Moscow theater lately. The actor who played the villain of the piece was so distressed by the horror with which the little spectators viewed him that, notwithstanding the protests of the manager, he pulled off his wig and false beard, and begged the audience to believe that he was only pretending to be wicked.

FREE ADVICE TO WOMEN

Women suffering from any form of illness are invited to promptly communicate with Mrs. Pinkham at Lynn, Mass. All letters are received, opened, read and answered by women. A woman can freely talk of her private illness to a woman; thus has been established this confidence between Mrs. Pinkham and the women of America which has never been broken. Never has she published a testimonial or used a letter without the written consent of the writer, and never has the Company allowed these confidential letters to get out of their possession, as the hundreds of thousands of them in their files will attest.

Out of the vast volume of experience which Mrs. Pinkham has to draw from, it is more than possible that she has gained the very knowledge needed in your case. She asks nothing in return except your good will, and her advice has helped thousands. Surely any woman, rich or poor, should be glad to take advantage of this generous offer of assistance. Address Mrs. Pinkham, care of Lydia E. Pinkham Medicine Co., Lynn, Mass.

Every woman ought to have Lydia E. Pinkham's 80-page Text Book. It is not a book for general distribution, as it is too expensive. It is free and obtainable by mail. Write for it today.

Time and Season.
How for everything there is a time and a season and then how does the glory of a thing pass from it, even like the flower of the grass. This is a truism, but it is one of those which are continually forcing themselves upon the mind.—Borrow.

Our New Hair Vigor

Ayer's Hair Vigor was good, the best that was made. But Ayer's Hair Vigor, new improved formula, is better. It is the one great specific for falling hair. A new preparation in every way. New bottle. New contents. Ask your druggist to show it to you, "the new kind."
Does not change the color of the hair.

Ayer's

As we now make our new Hair Vigor it does not have the slightest effect upon the color of the hair. You may use it freely and for any length of time without fear of changing the color. Stops falling hair. Cures dandruff.
—Made by the J. C. Ayer Co., Lowell, Mass.—