## MAKING TURPENTINE

AN EXTENSIVE INDUSTRY IN CERTAIN SOUTHERN STATES.

### How the Trees Are Tapped and the Resinous Gum Gathered-Departments and Divisions In the Work All Under the Keen Eye of the "Rider."

Dialect writers find a fraitful field among the ""Tur Heels" of the Carolinas. Alabama and Georgia. In the cool depths of the turpentine woods, with the gashed trees yielding up their resinous gum, the balmy air and the picturesque "hackers," "dippers" and "scrapers," with the ever vigilant "rider" watching everything, is a phase in southern life which has long been the delight of anthors and the pleasure of artists. The gradity of the implements and the stills used in making turpentine and rosin lend additional interest to this old infustry, and the gypsylike habits of the turpentine makers add to their ragged, illiterate charms.

Turpentine is the distilled gum of the nine trees of North and South Carolina, Alabama, Georgia and part of Florida. The season begins when the first spring sap rises and ends when cold weather shecks the flow of the tree's blood. In January or February the "backer," with his keen bladed ax, begins the round which ends with the season. He is the expert of the woods and knows his trees and just how much backing they will stand. His task is to cut the "boxes" in which the thick gum of the wounded tree will collect. A box is a wide incision about six inches deep, a wedge shaped cut in the tree, and he hacks from 90 to 100 boxes a day. The first boxes are cut near the roots of the tree, and they are cut as close together to the height of a man's head as can be done without killing the pine. hacker leaves a width of bark between each box so as to preserve the vitality of the tree. When the trees are leased to the turpentine makers, the terms of the lease limit the number of boxes to each tree, but when it is desired to work the pine to the fullest extent the gashes are carried up to a height of 20 feet or more.

After the backer comes the man who "corners" the boxes. This "corner" is a cut in the top of the box to guide the sap into the cavities left for the gum, and the man who "works" the "crop" goes systematically from box to box, starting the sap anew with fresh inci-sions, working in this way 10,000 boxes during the season. The sap or gum fills the boxes with a clear, sticky, thick fluid, and this is removed by the "dip-Scattered through the woods are per. barrels in which the "dipper" deposits the gum, which is then hauled to the still. About a quart of sap is taken from each box by means of the trowel shaped scoop used by the dipper, and then the hacker comes along and starts the flow afresh by wounding the tree again. The turpentine maker watches his men closely, for the Tar Heels are an easy going people and require to be urged by the rider," who goes through the woods on horseback examining the crop, hurrying the dippers and hackers and sending the barreled gum to the still.

The first or "virgin" sap which flows in the spring makes the best rosin, and the poorest is the product of the hardened gum which is left on the sides of the boxes when the sap "turns down" in the fall. This is removed by the "scraper," who moves through the woods with his scraping tool, gathering the leavings.

The still is a large copper vat hooded with a close fitting cover in which is a funnel which in tarn is connected with the "worm" of the still. This worm runs down into another vat near at hand, and in this vat the fumes or vapor of the heated gum is distilled into turpentine. Fire under the copper vat heats the gum, and the volatile parts rise to the funnel, pass into the still and are condensed by the water in the second vat into spirits of turpentine. The residuum left in the vat is the rosin of commerce, which is passed through a series of strainers and sieves to the barrels, which are made on the spot. The turpentine, however, cannot be barreled so easily, for it will work through an ordinary barrel. It is placed in white pine barrels which have been coated inside with several coats of strong, hot glue until the barrel is impervious to the subtle fluid. The trees are warked for five or six seasons, and then the turpentine maker moves to another part of the woods. He started in North Carolina, crossed over to South Carolina and is still moving toward the gulf. Forest fires destroy the pines faster than the hacker does, for the flames sweep over large areas before they die out. Careful owners of turpentine woods have the pine straw and fallen underbrush raked away from their trees before the season begins, and col-lecting this material in some safe spot wait for a quiet day when no wind will cool the wet finger, and then they burn the rakings. Negroes are common laborers of the turpentine woods, but white men are plentiful. They live in rough shanties in the woods, with the stables for the mules and horses near at hand. No work is more healthful than turpentine making, for it is all out of doors in the depths of the balmy, health giving pines, free from the malaria of the swamps and from sudden changes of weather.-Chicago Record.

## SPECIMENS OF WIT.

SOME HISTORIC FLASHES OF SPON-TANEOUS HUMOR.

Not a Few European Sovereigns Have Been Fond of and Given to Repartee. Clever and Brutal Jests Passed Among Englishmen of Long Ago.

Generally speaking, the strong have refused to put up with jesting from the The Czar Nicholas, who had weak. some fine qualities, was hardened against a meditated act of clemency by the un-daunted spirit of a prisoner. Relieff, a man of letters, had been implicated in the conspiracy of 1825 and sentenced to be hanged. He was launched from the fatal ladder, when the rope broke and he was thrown to the ground, severely bruised, but conscious. He picked himself up and said quietly, "They can do nothing in Russia, not even twine a cord It was customary in Russia properly. to pardon the condemned after a similar o but on Relieff's words being re ported to the czar and his pleasure demanded he replied, "Prove him the contrary.'

Henry VIII, with all his violence and tyranny, could bear with a retort as well as give one, for he loved wit. When it was told him that the pope had sent the cardinal's hat to Fisher, bishop of Rochester, he said, "He may have the hat, but he shall have no head to wear it with," and the bishop was brought to the block. On one occasion the turbulent Earl of Kildare was brought before the king, charged with setting fire to cathedral of Cashel. "I own it," the said the earl, "but I never would have done it had I not believed the archbish op was in it." Henry laughed and pardoned the culprit. His bitterest enemy was the bishop of Meath, who accused him to Henry of divers misdeeds and closed his arraignment with, "Thus, my liege, you see that all Ireland cannot govern the earl."

"Then," said the perverse monarch "the earl shall rule all Ireland," and instantly made him lord deputy because his good humor equaled his valor.

Elizabeth resembled her father in her willingness to put up with retorts from saucy subjects and to pay them back in kind, not always with the greatest re finement. The little scene with the ill fated Earl of Essex, when she boxed his ears for insolence and he laid his hand on his sword, saying that he would not take such treatment even from her father, is familiar to every one.

Going back to still earlier dates, we constantly find the imperious Plantag enet kings giving and receiving retorts that bear witness of great independence among some of their powerful subjects It was Edward I who, on the refusal of the "Black Dog of Warwick" to join the king with vassals and supplies for war, said, "Sir Earl, you shall either go or hang " The retort was, "Sir Rex, I will neither go nor hang." Henry IV of France was good natured above most moments in reported. As a

above most monarchs in repartee. As a rule, it is impossible to reproduce in conventional English dress the jests of this wise and witty king. On one occasion it was the turn of M. d'Anbigne to sleep in the king's antechamber. Fancying e monarch was asleep, he began to talk to M. de la Force, who shared his watch, saying, "Your master is the most ungrateful of men. " La Force, half asleep, asked him what he was talking about, when Henry cried out: "Wake up! He is telling you I am the most ungrateful of men.

"Pray go to sleep, sire," interrupted D'Aubigne. "We have a great deal more say about you. " Henry never showed less kindliness to his servant on account of what he had overheard. But the cynical generosity of Freder-

### FIRES IN JAPAN.

But For Open Spaces the Japanese Citics Would Burn Up.

One of the quaintest sights in Japan is a fire. Hundreds of houses are often burned in the space of a few hours, and little or nothing can be done to stop the progress of the flames, especially on a windy day. If you except the roof, which is made of tiles, Japanese houses are built entirely of straw wood, bamboo and paper. In the poorer districts houses are packed close together, and therefore if one happens to catch fire sometimes the whole street is burned down with incredible rapidity, and the fire only stops at some open space where it can-not possibly spread further. It is not unusual in Tokyo or some of the larger towns to hear of a thousand or even more houses having been destroyed in an afternoon or during the night.

No one is more afraid of fires than the Japanese, and high ladders are posted at short intervals all over the towns and in all the larger villages, on the top of which ladders a watchman sits all night and in case of fire rings a large bell hanging from the top. If rung at long intervals, the fire is distant, and one need not worry oneself about turning out of one's fountangs. If rung a little quicker, the fire is not far, but there need be no apprehension. But if the bell is vigorously and quickly tolled then you may as well say goodby to your house, because in perhaps a few minutes it will be reduced to a mass of ashes. The Japanese are wonderful at turning out at all hours of the night, even for going to look at a fire, and men, wo-men and children in the coldest nights in winter think nothing of walking five or six miles to go and look at a big blaze. If the fire haupens to be near, the excitement increases in proportion to the probability of one's house being burned down. You see people half scared and screaming, getting water wherever they can in pails, wash basins, tubs or anything they can lay hold of and throw ing it all over the woodwork so as to diminish the chances of its eatching fire. Then as the fire draws nearer, and the only water available has already been consumed, the process of saving what one can is put into practice. The amido, or wooden shutters, and the sholjis, paper walls, are quickly taken down and brought into a safe place; the mats are lifted out of their places, and with the few articles of furniture are quickly removed. So that when the fire comes it only destroys the wooden frame of the house and the roof. That is all. It is seldom that life is lost in these fires, except sometimes when children or old people are unable to move, and once surrounded by flames they cannot be reached and often perish. - Tokyo Let-

Journal.

and the accession of Edward the Con-

fessor, by which the country was deliv-

ered from the yoke of the Danes.

son for nearly 2,000 years.

# THE CONFIDENTIAL PAPER.

The Briton Complains, Praises and Scolds In His Daily Journal.

The newspaper is a member of the family in England and regularly comes to breakfast with the other members. The London Times is a kind of oldest son among newspapers, and Panch the jolly bachelor uncle, who makes occa-sional visits. Englishmen take their newspapers into their confidence and have a half way of writing to them on all sorts of subjects. If an Englishman rows down the Thames and stops for luncheon at an inn and is overcharged, he writes to his newspaper, just as a little boy runs in to complain to his mamma of the rough treatment of his playmates, and later on the first letter is followed by others, in which the comparative merits and cost of light lunchcons on the continent, in Seringapatam, in Kamchatka and everywhere else where Englishmen have eaten and drunk-and where have they not done these?-is discussed au fond. If horses stumble and fall in Rotten row, there are letters on the subject which go into the matter of roadbuilding, modern nanship and the like, with quota tions from Virgil and anecdotes of accidents that happened half a century ago. Not only the more serious weekly, but also the daily newspapers, give one the impression that they feel themselves to some extent responsible for the contemporary auditing of the accounts of the day of judgment. On the other hand, the better class of English newspapers do not indulge in rash suppositions, hasty generalizations, uncertain guesses at probable future happenings and the daily exploitation of the personal affairs of notorious nobodies. And one may be permitted to say diffidently that per-haps this is preferable. If Mr. Balfour, for example, were to go abroad for a holiday, it would be considered vulgar to chronicle his doings and dinings and absolutely brutal and boorish to write absolutely brutal and boorish to write particulars of the dress and behavior of his sister, or his wife, if he had one. The sense of fair play of a nation of sportsmen does not permit an editor to torment even his enemy from behind a woman's petticoats.—Price Collier in Forum.



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2:39 P. M. -Train 4, daily for Sundary for Philadelphia passengers can remain sheeper undisturbed until 7:30 A. M.
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day: Hallimore, 6:0 a. st.; Washington, T. A. & Pullman cars from Erie and William for to Philadelphia. Passengers in sloep for Baltimore and Washington will transferred into Washington sleeper at Harisburg. Passenger conclusion from Erie Philadelphia and Williamsport to Baltimeter and William Andrew and Williamsport to Baltimeter and W WESTWARD

MESTWARD WESTWARD Howay, Duffols, Clermoni and Intermediate stations. Leaves Hidgway at 3 p. M. for Erie. 250 A. M.-Train 3, daily for Erie and intermediate science.

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TRAIN 1 leaves Renovo at 6:35 a. m., dail except Sunday, arriving at Driftwood 7:

TRAIN 19 leaves Ridgway at 9:30 a. m.; John sonburg at 9:45 a. m., arriving at Clermor

Horsepower.

The difference between nominal, in-dicated and effective horsepower often puzzles people. Nominal horsepower is an assumed quantity, used for the con-venience of makers and buyers in decribing the dimensions of the engines. scribing the dimensions of the engines. Indicated horsepower is the amount shown by computations of the indicator diagram. Effective or actual horsepow-er is the work an engine can do or the difference between the indicated horse-power and the horsepower required to irrive the engine when unloaded. -- New York Twinnes York Tribune

owed him a grudge had determined to poison him. One morning he brought in the king's chocolate and appeared visi-bly troubled in countenance. "What ails yon?" said Frederick, looking fixedly at your said Frederick, looking intenty at him. "You look as if you had put poi-son in my food." The wretch fell at his feet and avowed his crime. "Get out of my sight, you scoundrel!" said Frederick and took no further notice of the man's attempt to murder him.

A delicate compliment is a work of far higher art than the most biting sarcasm. Every one knows the story of the poor creature who found himself seated tween Mme. Recamier and Mme. de Stael, and managed to offend them both by saying that he sat between wit and auty, and was crushed by the retort of Mme. de Stael that he possessed nei-ther. The court of Louis XIV was the school where this art was brought to perfection. The flattery offered to the king by the men of genius was at once coarse and exquisite. Witness the inim-itable reply of Mignard, who was painting the king's portrait for the tenth time, when Louis asked him, "Do I look

"I see a few more campaigns on the brow of your majesty." One of Louis' marshals, Bassompierre

was great at repartee. He had spent ten years in the Bastille, and on emerging years in the Bastille, and on emerging his majesty asked him his age. "Fifty, sire." To the surprised look of the king the marshal added, "I don't count the ten years I passed in the Bastille, because I did not spend them in your majesty's service."—Philadelphia Telegraph.

### He Must De Somethis

An inhabitant whose bools were striking sparks from the pavement as he walked entered the waterworks office, selected his clerk and fiercely announced, "Sir, you can send up and take your old gas meter out of my house." "This is not the gas office."

"It im't?"

"No, sir. This is the waterworks

"Oh, it is? Well, then, send up and turn the water off! I'm not going to walk 1% miles for nothing."-New York Dianateh

The first European mention of barley on the medals of Metapontis, an Italtan town, B. C. 600.

#### A Question of Recognitio

Miss Kitty-Mamma, will we know folks in heaven same as we do here? Mamma-I think there is no doubt of

that, my dear. "Will I know Jane Gopplins?"

"Who is Jane Gopplins?" "She's the big freckled girl that lives

over the grocery store down the street." "If you are both good enough to go to heaven, my dear, you will certainly know her.

(After some moments of profound cogitation) "I won't have to speak to er, will I, mamma?"-Chicago Trib-

### A Fine Foot.

The elderly gentleman was getting a pair of shoes, and the clerk was striving

"You have an elegant foot, sir," he said as he smoothed the leather down

aid as he smoothed the leather down across the instep. "Um," sniffed the old gent, eying tim narrowly, "I guess you ain't the shap that was coming to see my daugh-ter every other night till last week."— Detroit Free Press.

"Early in the Winter, 1 took severe cold which developed into an obstinate, backing cours very painful to theatre un-troubling me day and there is nine weeks, in splite of stimulate is remedies. Aver's there Per-toral being recommended me, is been to table it, and being of the began to take it, and inshie of re-hours. I was releved of the tickling in my throat. Lefter of finished the bottle, my cough was nearly gone. I cannot speak too highly of its excellence."---Mrs. E. Hosen, Eaton, Chio.

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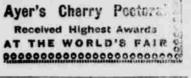
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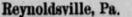
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