## Herty And The Pines

Nearly, or quite thirty years ago, occupy, but the long-leaf variety. Charles Holmes Herty invented the rutpentine cup which eliminated the necessity for "boxing" the pines them. tion of how fences determined the vaselves. The invention came too late to viety of pine that should occupy the have any effect upon the pine forests worn-out field. I wo lields by wide by of North Carolina, In Georgia, Alabama, wide. Both were worn out. The one lost Mississippi, Louisiana, and Texas, the its fence; the other retained its. The much effect in those states in preserving stand of short leaf. The old tence giventhe long leaf pines.

to declare that the young long-leaf pines two kinds of pines. are available for pulp wood for paper making. The discovery, proved by chemical analysis, is that the healthy or uninjured long-leaf pine has no turpentine in it while growing. The turpentine is a remedial preparation on the part of the tree to cure injuries. Ac cordingly, a healthy uninjured growing pine has no more turpentine in it than a man's blood has the gristly substance in it that proceeds to accumulate at the point of fracture of a bone. Both are creations for healing purposes.

Green Pines For Paper-Making

Prof. Herty, in accordance with his discovery, advises that the long-leaf pines must be used immediately after cutting for paper-making, since the out pines, still full of sap, would undertake, so long as this sap lasts, to heal what they do not know to be fatal injuries. Thus pines allowed to dry out, according to Prof. Herry's view, would have produced considerable turpentine during the dying process, and thus have unfitted themselves for use in making paper. Also, Mr. Herty discovers that the pines are considerably advanced in growth before they have any great amount of heart wood, which the scientist seems to consider unfit for paper-making. Accordingly, young long-leaf pines only can be used for pulp wood, and must be so used immediately after they have been felled.

The Origin of the Long-Loaf Pine

For many years, the editor of the State's Voice has been interested in the long-leaf, or as more generally called in the pine belt, the long-strawed, pine. Reared among them, he always that he in his own country among the long-leaf pines. He recalls now he felt like shouting when, after living in the mountainous section of Greenthrough Clinton, Laurens, and Newberry did the preoccupation forbid, but the of wiregrass farmish Carolina's grand old man, Capt. S. the Saluda.

### The Primeval Pines

Scarcely a man living in North Garo the border of the coastal plains. lina has ever seen the pines in their

### Short-Leaf a Late-Comer

the long-leaf belt all the dry lands, gun its work of muck building. upon which only the long-leaf will grow, field had ceased, the interloper didn't But our fathers and grandfathers mis- of the same kind near the ancient of Raleigh, Dec. 30, 1932.

A Notable Illustration

The writer recalls a striking illustra saw mill followed too olcsely after the former field had a magnificent stand of turpentine for the invention to have long-leaf pine; the latter a thickly set ed the two varieties, and its worm like Quite recently, the same gentlemen course might almost have been deterhas made a discovery that enables kim mined by the division line between the

The Key to the Phenomenon

Nature had sown seeds of both varie ties on both fields, it is natural to assame. The "piny-woods rooter" had eaten the long-leaf mast that fell in the unfenced field, or rooted up the young pines, for the hog relishes the sap of the long-leaf's roots. The short-leaf mast occupied, for it is too little to be easily found or greatly relished by hogs. In the fenced field, the more vigorous setting of long-leaf, evidently, overcame and suppressed the short-leaf seed-

Whence The First Seedling

It is interesting to speculate upon the source of the first seeding of the longleaf pine. The coastal belt, the habitat of the tree, is declared by geologists to be one of the latest sections of America to rise above the sea. The red hills of Chatham seem to have stood out ages before the sand hils of western Harnett and of Moore county ceased to be sea beaches. When the coastal belt did become dry land there was no long-leaf pine to the westward to durnish the mast for the primeval planting of the long-leaf forests. Yet the long-leaf came ward. The long-leaf, with an even start, can master the short-leaf, as indicated by the two fields mentioned above. But if the short-leaf had got the field ward; the long-leaf from the castward. North Carolina has existed indefinitely, informed to the contract. When they met, the short less could

Pew Possits of the Pine

glory in this state. The writer had the A fat pine stamp is almost everlastprivilege of reaching Louisiana in time ing; so is a fat log or a "lightwood" the old Buckhorn farm in Sampson to see the woods in their pristine gran- knot. Only fire will destroy these. But would reveal the very same clusters of the effects of so many banks close deur. The turpentine and the saw mill the fact pointed out by Prof. Herty's wirgerass that he knew as a boy, and cheeks upon their respective comme man were fast making a barren of the discovery, that there is no turpentine in woods and it is presumable that the a healthy tree permitted such vigorous and no others. An ant colony may dework of ruin has been almost complet- pines in the early days as were overed by this time. But 20 years ago there whelmed by storms or stricken by hightwere untouched areas where one might ming to rot as readily as an oak log eral condition, an uncleared prece of look across the woods, unbindered by would. Even if the tree did contain turundergrowth, till the very boles of the pentine enough to preserve it against same tussocks of wife grass that were pines cut off his view. Those Louisiana decay, the fires of the centuries finally upon it before the Confederate war, and views have enabled the writer to envis- left no vestige of it. As the trees grew perhaps, a thousand years ago. age eastern North Carolina as John Law- only on dry land, there was little opporson saw it, or as "Horse Shoe Robin- tunity for them to become petrified or son" in his notable journey across the covered with soil so as to be protected known as the devil's stamping ground, state, as recounted in that once famous against fire. However, the writer dell- or names of similar import. There is a nitely recalls a fat pine log discovered circular path with what the writer has With the passing of the long-leaf pine when a ditch was being cut. This would grass growing on each side of it but noin eastern Carolina the short-leaf varie- indicate that there was a long succes- where else within or without the circle ties have occupied the field except in sion of pines, for it required many cen- enclosed by the path. This condition the sandhill scetions where there were turies, presumably, to build up that seems to have existed from times imfew short-leaf seed trees. In truth one depth of soil in the creek bottom, a soil memorial. might jpdge, on viewing the landscape consisting wholly of decayed vegetation. now, that they were the primeval va- The log lay upon the white sand undercate that they are invaders of a field where it lay or may have been whirled a place of former religious rites and long pre-empted by the long-leaf varie- down the valley by waters before the the wiregrass clusters hedging each side ty. When the short-leaf variety reached blackgum growth had got set and be- of the path have formed as definite and

The "Yellow" Pine

"old-field" pines. But if the ferice had ness of the white sap wood, Others are about their circle. been kept up after cultivation of the nearly all sap. Similarly with the pines. The fact that there are no new plants

took the great old heart trees for a dif- hand, if a tree has been discoved and ferent variety and called them the "yel- the fight for life has h low" pine; while the vigorously grow- ued, when it finally dies the most aged of the pines, were not out timb without male Thy soon rell victims of the tun-timeer is cut. man, the sawmill man, or the rail-splitter. Consequently, few living North the first English settlement in eastern And one may go further and declare the Carolina.

Observations Confirm Herty

years ago if the long-leaf pine, vigor- are few which, waring the long in dus and unfajured, had turpentine in it, mecessary to grow a heaft of the he would reality there answered the mes- cable size, have not been in with tion from his own observations. When injured or which have not been me his mind is turned to the hitherto insig- less affected by the disease, or is nificant facts evinced by many obser- ing, of the limbs which have fallen aw vations, it is clear that it would have The heart of such a pine will rot, leave taken no chemist's analysis to convince only a few very thin streets of fat wo one that the tong-leaf pine while in vig. The man who has seated the wood orous health and unout has no turpen- for "lightwood" as many times as the tine in it, and that such a tree when writer did in his boyhood can recall the cut down will rot as readily as will on decayed trees with the everlasting know toak log or a short-leaf pine log, leaving left and the thin fat flakes limbs only a few tiny knots of fat pine. These throughout the decayed mass of the body knots, under the Herty theory, became of the tree. He will also recall some turpentine soaked when the tree was logs that were all fat. protecting Itself against the decay or So one may not only affirm the finddisease which caused the less of the lag of Prof. Herty, but may, with rather limb that grew from the knot.

vigorous pine when cut down and find lights for coastal-belt families and was no evidence of "fat" wood in it. And the source of the classical far of Tarthe limbs left will rot without leaving heelia was a consequence of disease and a vestige of "fat" wood. On the other hurts of the long leaf pine.

ing trees were termed "pitch" places at well be as "fat as ter" and the light-From the "yellow" pine, almost all heart, wood bole will stand for many years little turpentine could be got. Hence the without decay, Similarly, a diseased limb distinction. But those yellow pines, or on the same pine that bears the vigorvery numerous even in my father's day. will prove to be "fat" when the tree

All these observations, and many more Cure minus dure men many of the real of similar import, hear out Prof Herly primeval pines. Frenchly the most of ty's pronouncement that a vigorous pine he turpentine trees had grown up since has no turpentine in the sapet mail there is very little turpentine in the heart of a tree that has never been dis If the writer had been asked forty essed of injured in any way. But the

full assurance, declare that the "fat" You may split a limb or knot from a pine which for generations furnished the

# The Mystery Of Wiregrass

and occupied before the short-leaf could of grass that grow in the piny woods writer, without a visit to the place, that get set from the hill lands to the west- of the coastal belt, and not Bermuda it is the coastal plains wiregrams. If so, grass, as that grass is frequently mis- the fact that there are no new plants named in North Carolina.

Wiregrass Like Melchizedsk

earlier, it would have left no room for dek. Abraham's triend, who is declared to from times intern the long-leaf to get a strong foothold, have no beginning or end. The writer is Wonder if this scubject does not defor the short-leaf pine occupies both wet confident that the never shw a young serve the attention of the states but and dry lands. The short-leaf seeding bunch of wiregrass. He confidently be nists. If we are mutaken about the no seems to have proceeded from the West- Heves that every bunch of wisegrass in repreduction, we should be glad to be

When a waregrass treet is cleared and still proceed to occupy the testocks in the primeral turnocks of the grass once the swamps, there to swalt their oppor- gestioyes, there is no more wiregrass timity. But the tong-leaf could not make on that field. The woods may blim Mill yay among the hardwood forests the grass be seveled with the root clump, personal fetter, was received by the ediville county, S. C., for two years and of the pledmont hills, where the short- but out it comes again and by the foi- tor of the Voice on the last day of the having driven down the ridge road leaf was already established. Not only lowing fall to apparently the same bunch As the expression of the views of No and across the Saluda to the right he harder soil would hinder the setting of ed the early pasture in eastern North while, office of the states journally came upon a clump of stalwart long- the seed that might drift into the pre- carolina in the earlier days. The woods and its principal historian, we are leaf places as he climbed the hill from occupied territory. Accordingly, the would be burned off in the winter and it in this the heat frames of the westward boundary of the long test plus the wiregrass would shoot up its tender voice. We hope Captain Ashe may belt almost necessarily co-incides with strands, upon which cattle could feed to purple us with other expressions till it grew tough, in accord with its his views. At 42 he seems good for a appropriate name wire grass.

The writer is confident that a visit to Dear Mr. Peterson: without noticeable increae in size these ties. stroy a tussock of wiregrass or one may be due up and destroyed. But, as a genwiregrass woods now has upon it the

"The Devil's Tramping Ground'

In southwestern Chatham is what is under three or four feet of swamp muck been informed is the coastal belt wire

An Indian "Stohehenge"

The writer has conceived the circle to riety. But all the circumstances indi- lying the muck, and may have grown be a relict of Indian days. It is probably almost as permanent a memorial of the days of the rites as do the great stones had been pre-empted by the first-comer. The mature pine, like the mature at Stonehenge, England, of the bloom-The interloping short-leaf set sentiness cedar, has very little sap. One can look ing days of the Draids. If it is wiregrass in the swamps and marshes, biding their at a load of cedar poles as it is brought (the writer has still failed to make a opportunity. It came, Fields were cleared into Pittsboro and tell at a glance which long contemplated visit to the spot), it would be deterred from those crimes. Worn out, and unfenced. From the long- were practically, no longer growing and is presumable that the Indians dug up waiting, but vigorous, sentinel in the which were of vigorous growth. Some the clumps of grass in the wiregrass without a job started to work making swamp came a shower of tiny must very small poles are nearly all red heart woods only a few miles distant, in his own living on farms. which soon produced a multitude of wood, with scarcely a half-inch thick- Moore county, and transplanted them

By "wiregrass" we mean the tunsocks cle of the grass, largely convinces the confirms the writer's observation that the wiregrass does not reproduce week Wiregrass seems to be like Meichize and that all there is today has end

#### WE HAVE TOP HORSEL COMPENSAGE GRAND OLD MAN

hundred. His article follows:

Please let me call your attention

A community has a bank. The people deposit their money in it. It closes. The money of the community is locked ap, and may all be expended in paying some debt the bank owes in New York, say, while the reason for authorizing that bank was that it might serve the com-

The money in its vaults was put there for their own use. When a bank old there should be a lien, by act of the General Assembly, in favor of the depositors upon the money remaining in the vaults, and the Banking Department should be required to put an officer in charge, who within ten days should distribute that cash among the stockholders (probably meant to be depositors Ed.). Why not? Besides that matter of the protection of depositors, I would like to see the first sentence of Section -, of Article 11 of the Constitution changed by striking out the word "only, and at the end of t sentence adding the words: "and su other presentments as the Legislature may prescribe."

If we had the whipping post, many of the horrible crimes that now disgrace our state would cease; men and boy

Again, I should like to see every man

Mappy New Year to you.