

THE OBSERVER

FAVETTEVILLE, N. C.

THURSDAY, MAY 19, 1898.

E. A. HALE, Editor and Proprietor.
E. A. Hale, Jr., Business Manager.
E. S. Hale, City Editor.

LOCATION OF PUBLIC ROADS.

The study of the following article contained in the current bulletin issued from the University by Dr. Joseph Hyde Pratt, State Geologist, is of more urgent need in the Piedmont country, but is of value to every part where hills, like the weakest link in a chain, set the limit of the load possible to be hauled on any road.

By Joseph Hyde Pratt.

As one travels over a great portion of the public roads in any of the Southern States the question is often raised as to how far the load of these roads can be located as they are, especially, when in most cases it is very apparent that a much better location could have readily been obtained without any increase in distance or extra cost of construction.

In most cases the public roads were not located according to any definite rule, and, in many instances, were simply the widening of previous trails or paths connecting one point with another. Some were located by persons who had various and sundry purposes in view; others were located by contractors; or, in a very few, engineers; and a greater number were located by accident.

The majority of the roads in the South were laid out fifty to a hundred, or more, years ago, and have been nearly constant since them. Each generation of those who use the road constantly have asked the same question: How did the road come to be located as it is? Even those who use the road, constantly have asked the same question, but have never taken sufficient interest in the matter to come up the cause of climbing the hills, on steep grades so as that they would route the road much if it could be done.

A case that illustrates this point is in one of the midland counties in one of our Southern States, where, between two towns twelve miles apart, there are two hills, one on each side of the creek. One of these had to be climbed by wagons going toward the east and the other by the wagons which were westward bound; these were the only two arteries left on the road, and it would have been necessary to have one and a half tons between these, for a pair of teams to have hauled one and a half tons between these as an ordinary load. The load, however, that was ordinarily hauled between these two places was not over 1,000 pounds. An estimate was made by one of the State officials who was interested in good roads, as to the number of wagons that passed over the road, and the average load which they hauled, and, on making a careful calculation, he found that those hills had cost the people who used the road more than \$100,000 in five years. To have chosen the location of the road so as to have avoided both hills, would not have cost over \$50.

The above is a concrete illustration, but it is typical of hundreds and perhaps thousands of similar cases throughout the Southern Appalachian States; of course, in some cases, the cost of re-locating the road could not be done as cheaply.

The question of good roads is becoming such a vital one at the present time that there are but very few communities but what are really interested in the improvement of their public roads, and the cry is for a permanently improved road. One of the widest interest and desire of our people for improved roads, I have felt that, particularly attention should be called to the fact that the only part of a road that is really permanent is the location. Therefore, the greatest care should be taken that when the road is located it is located for good, and that there will be no question as to its re-location. In order that this should be so, it is absolutely necessary that the road that is to be built between two points must have its location very carefully worked out by a practical and impartial road engineer.

Questions that must be considered in regard to location are grade, distance, cost of construction, and the number of people it will benefit. If it is not possible in a location that is being considered, to build the road so that no portion of it will have a grade that exceeds 4-1-3 per cent, then, another location should be investigated; for, in permanently locating a road no grade on that road should be over 4-1-3 per cent, as that is the maximum grade that should be had over which a horse can haul the entire load for a certain distance that can be on a level. And it is also the maximum grade that a road can have without it being necessary to construct some form of "thank-you-ma'am" to turn the surface water into the ditch, to prevent the cutting out of the road's surface. In some instances, it will be found that it will cost a great deal to maintain such a limit for the grade, yet it will be found in the end by far the cheapest road to maintain, as there will be a great saving in maintenance of the road, and also much saving to everyone using the road, on account of the increased load that can be hauled.

In locating a road, the shortest distance is desired, but very often this is impossible on account of it being necessary to make too steep grades. The shortest distance, however, should be maintained, provided, that the grades can be kept down to the minimum—otherwise, the longer distances should be used. In no case, however, should the maintenance of the road be increased to an amount that is beyond the capacity of somebody's horse or farm.

This is one of the reasons why, in the location of a public road, the best results can be obtained from the services of a road engineer who has no personal relations whatever with the people living in the vicinity of the proposed road.

Sometimes it will be found much cheaper to construct a road by increasing the distance, by reason of certain cuts and fills are avoided, and in this case a longer distance is very often preferable.

The people who will be benefited by the road are not only those who happen to live along the road, but also those who come into this road and use it as the principal thoroughfare from country to town, and for this reason an increase in distance is not an important factor in the cost of their building roads to market; and, in considering benefits to be derived by a particular location for a road, all the people who will use the road must be considered.

A SKETCH OF THE LIFE OF STONEWALL JACKSON.

The Charlotte Observer contains an interesting short sketch of the life of Stonewall Jackson, which we append. The familiar words attributed to the dying hero, as often repeated in the army, "Tell A. P. Hill to prepare for action," are given as "Order A. P. Hill," etc. The campfire version is undoubtedly correct—it was, in the nature of things, a message by a staff officer or courier on the battlefield, and the master "order" was sent from headquarters beforehand. When his "mind began to wander" he imagined that he was on the battlefield, and his first thought was of that marvelous embodiment of the fighting spirit, his trusted commander of the famous "Light Division," A. P. Hill. None who ever saw A. P. Hill go into action could forget the magnificent spectacle; to his old soldiers, it seemed that if Jackson's dying thoughts were of the battlefield they must necessarily turn to A. P. Hill, who swept before him like a prairie fire.

Says the Charlotte Observer:

1852.—Stonewall Jackson.

In a low rambling house in Harrison county, Virginia (now Clarkesburg, West Virginia), on January 21, 1852, was born to Jonathan and Anna Jackson a beautiful little bright-eyed boy, to whom they gave the name of Thomas Jonathan. His father came of Scotch-Irish descent, truly a sturdy heritage, for it we are indebted for the pure and resolute virtues of a sturdy race of men. His mother is said to have been a very beautiful as well as a very godly woman.

Unfortunately the father of our subject died, leaving the young widow with three small children and having no means of support, she was compelled to give up her children to their father's family. She survived the separation for only a short time and Thomas, though only a boy of 9 at her death, long years after is said to have remarked that the memory of his mother's dying words and her grave could never be erased from his mind.

The subject of our sketch was ever a thoughtful, quiet child, and the various vicissitudes of fortune, through which when only a child he was forced to pass left their marks upon his character and in many ways influenced his whole after-life. He seems to have shown no real aptitude for study (except he was always a good mathematician) and in consequence was always behind in his classes, but always first in romp and play. It is said that he would never admit that he was behind, and it is evident that he was. He was gentle and yielding, but if he thought himself wronged, he was ever ready for a fight.

With only a very limited common school education in 1842 Thomas, finding a cadetship at West Point vacant, immediately secured the appointment and dressed in homespun clothes, with his entire wardrobe packed in a pair of saddle bags he set out on horseback for West Point. While at school there he wrote out a code of rules for his daily life, one of which really proved to have been the guiding star thereafter. It was, "You may always be what you will, but if you are gentle and yielding, but if he thought himself wronged, he was ever ready for a fight."

Come, let us cross the river, and rest beneath the trees
And let the merry leaflets at sport with every breeze,
Our rest is won by fighting and peace awaits us there;

Strange that a cause so blighting produces fruit so fair.

Come, let us cross the river, the dying hero cried,
And God of life the giver, then here him o'er the tide.

Life's wear for him are over, the warrior takes his ease.

There by the flowing river at rest beneath the trees.

FINANCE.

LIFE.]

All successful financial operations begin with the issuance of as large an amount of stock as possible. Then prices must be raised as high as possible in order to pay as much dividend as possible. Then the new stock should be issued in order as well as possible to conceal the dividends and warrant an additional increase in price in order to pay the dividends on the additional stock so that it will be necessary to issue more stock in order to conceal the excessive dividends, and so on.

No man is entitled to be called a philanthropist until he has repeated this process at least half a score of times.

THE LONG AND SHORT HAUL AMENDMENT.

Saturday's Raleigh News and Observer contains the following:

North Carolina Senators Divided on the Long and Short-Haul Amendment Passed by the Senate—Senator Simmons Voted for No-Senator Overruling Against It, the Little-Seelye It is Utterly Worthless in So Far as it Furnishes a Remedy for North Carolina Towns—Overruled Amendmen Would Not Prevailed But for Repudiation Committee.

Washington, D. C., May 17.—The Senate passed today a long and short haul amendment about which there is much difference of opinion. Some Senators think the amendment, which is a compromise measure agreed to by the insurgents, A. P. Hill, Republicans, and most of the Democrats, is effective and will put an end to discriminations in the matter of freight rates in favor of one town as against another, while other senators are of the opinion that it is absolutely worthless so far as it furnishes a remedy for correcting present discriminatory abuses.

The North Carolina Senators divided when they came to vote on the compromise amendment. Senator Dixson voted for it as did most of the Democrats and he is of the opinion that it will give an opening to North Carolina towns suffering from freight discriminations for relief.

Senator Overman voted against the amendment, believing that it is utterly worthless in so far as it furnishes a remedy for North Carolina towns, which are suffering from freight discriminations in favor of Virginia cities. A number of Senators who voted for the amendment share the fears expressed by Senator Overman, though they said they preferred to vote for it than to vote against it in the hope that it may prove effective.

The truth of the situation is that the Republicans found out they could not pass the Dixson amendment and that if they permitted a vote the amendment offered by Senator Overman would probably pass. Practically every Democrat in the Senate had promised to vote for Senator Overman's amendment, and there were not then scores who declared they would not support the Dixson amendment. When the Republicans anticipated this they decided it would never do to allow a Democrat to get credit for an important piece of legislation and they at once framed up the short-haul amendment which was to carry Democratic authority.

Both to begin war, ever praying for peace when war came, Jackson, with his eyes closed, and ready to die, went down to meet the enemy. When his orders came on April 21, 1861, to march the ends to Richmond, Jackson, after bidding his beloved wife farewell with a prayer to God for her and for his country and for peace, left his home

and dear ones never more to return. The next day, and that night, he crossed the James River, and that night, General Lee, who had come to call him his "best right hand," but had lost his life, made him forget or lose his love, admiration for and confidence in his master, the man, in truth, behind the gauze, the dove of our beloved homeland, the heroes of that time that tried men's souls, the unknown and unwilling private soldiers.

Then at the battle of Manassas when just as his men were seemingly about to waver, General Lee, seeing darkness standing, with no thought of self, encouraging his troops, exclaims: "There stands Jackson like a stone wall," and then, as Draper says, "the name which Jackson had received in a baptism of fire displaced that which he had received in a baptism of water," and ever afterwards to his friends and comrades and beloved Southern he was known as "Stonewall" Jackson.

Through those bloody years, with his indomitable courage and soaring personality, many times he carried the day in our favor, and had I the power to corroborate the battles in which he was engaged, without a single exception, I would be able to narrate some forty heroic deeds. However, I want to say the little boy Jackson, whose tenacity of purpose, in his boyish way, would not allow him to acknowledge defeat, had not changed (Men are only boys grown tall, hearts don't change much after all), and though almost overpowered by the tremendous odds against him, he still fought on until at Chancellorsville he met his Waterloo. His own well behaved soldiers, and one of whom was his son, were willingly died for their beloved leader, thinking Jackson like a stone wall.

The Commission decided that way because there is a dodger in the act under which that act of body or acts may act, as the case may be. The long-hole was placed in the act and it has been worn slick by frequent use. The name "marvel of wisdom" which the Evening Sun marvels, was displayed a few years ago when the Commission decided that cotton goods shipped from New England ports to Pacific ports were entitled to lower rates than cotton goods shipped across continent from nearer southern ports. Southern mills appealed to the Commission for relief, from high transportation rates that prevailed from New England ports, but the relief sought was denied along with reasoning that would make equity knit its broom.

The laws and the latitude and the license allowed to the Commission made such decisions possible.

See also the article elsewhere headed: "The Long and Short-Haul Amendment."

16 HALLEY'S COMET TO BLAME?

Winston Journal.]

When in the past deaths and disasters occurred during the visits of Halley's comet, this celestial visitor was blamed for it all. Since the comet appeared on this trip, there have been earthquakes, many mine disasters and the death of King Edward, not to say anything of the many deaths that have resulted from flight in seeking the heavenly wanderer. Its trace of blood and disaster has thus been traced by an authority on astronomy.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.

"Halley's comet has a history which is intimately related not only to the history of astronomy, but also to the history of the civilization itself. In these twentieth century days it is difficult indeed to find anything inspiring which ranks with the famous wanderer of the skies.