

### BUSINESS LOCALS

WANTED—A good horse, cheap. Singer Sewing Machine Co., Hickory, N. C. 7-25-4t

That 2 story brick store building on 9th Avenue at \$3000. See Hathecock.

The Hickory Chair Co. will buy newspapers at 1 cent a pound. 7 18 tf

WANTED—Renter. Will furnish land, home, part or all of stock. C. J. Sigmon. R. 1.

WANTED—to buy a set of double harness, good as new. Singer Sewing Machine Co., Hickory, N. C. 7-25-4t

See H. H. Townsend at the old Gus Hahn place for fresh fish direct from Nortolk. You will find these fish something extra

For Sale—Old papers at 10 per hundred. Hickory Democrat

THAT 87 ACRE tract of land about 5 miles from town mostly wood land, some saw timber at \$25.00 acre. See Hathecock. 11

WANTED—A salesman and collector to locate at Newton, N. C. Salary and commission. Singer Sewing Machine Co., Hickory, N. C. 7-25-4t

H. H. Townsend has bought the old Gus Hahn eating place and is now serving nice luncheon as follows: Soup and crackers 5c, fried fish rolls 5c and 10c, chicken and rolls 5c and 10c.

WANTED—A salesman to locate at Boone, N. C. Machines delivered at Boone free. Singer Sewing Machine Co., Hickory, N. C. 7-25-4t

That 14 acres lawcheek. It town at \$650. See

Runner Ducks. A dozen to lay, for sale just begin J. T. Johnson. cheap.

WANTED—Tenant for small farm. Apply to W. J. Shuford. Hickory, N. C.

WANTED—Take a thirty-day course in our sample rooms, and enter the cotton business. High salaried positions. Write for endorsements. Carolina Cotton Schools, Dept. X, 31 East Fourth street, Charlotte, N. C.

WANTED—White girl, age 12 to 15, to stay in family of two with one child. Or would give good home to orphan. Apply \$29 Ninth Ave.

Furnished room for rent, close in. Apply to Box 334. 5-2-1f.

WANTED—Men of ability to learn cotton business in our sample room. Only 2 weeks required to complete the course. Good prospects. Charlotte Cotton School, Charlotte, N. C.

DWELLINGS and lots. Store lots for sale. See Hathecock. 1

Autos for hire. Anywhere you want to go. C. T. Morrison. Phone No. 145

WANTED—Inexperienced persons to apply for following positions: Stenographer, \$10; bookkeeper, \$80; salesman, \$85; civil engineer, \$100; electrical engineer, \$80; draftsman, \$80; structural engineer, \$100; bridge engineer, \$100; S. E. Bureau, \$29 9th Ave. Hickory, N. C.

FOR SALE a Dayton bicycle. Tommy Henderson. 1t-1p

The party who borrowed, with or without my consent, my Wheeler's North Carolina Hickory, will kindly return it. C. W. Bagby. 8-1-2t.

### NOTICE:

Notice is hereby given that the business of Falling Creek Milling Co., at Hickory, has been dissolved by mutual consent. All persons holding claims against the company must present them by August 29, 1912, or this notice will be pleaded in bar of their recovery. All persons indebted to the firm are requested to settle immediately. This July 28, 1912. A. O. KILLIAN.

### HICKORY MARKETS.

Quoted weekly by Whitener & Martin. Hens, per lb. 10c. Eggs, per doz. 13c. Butter per lb. 18. Cooking butter. 15c. Creamery Butter. 35c. Cooking Apples. 40c. Irish Potatoes. 75c a bu. Cabbage, per lb. 3-4. Green Beans. 40c. Beets Bunch. 50c. Tomatoes. 75c. Corn. 10c to 12 dozen. Peaches. 50 to 75c. Cantelopes. Watermelons.

### Diarrhoea

When you want a quick cure without any loss of time, and one that is followed by no bad results, use Chamberlain's Colic, Cholera and Diarrhoea Remedy. It never fails and is pleasant to take. It is equally valuable for children. It is famous for its cures over a large part of the civilized world.

### Lutheran Sunday School Normal.

The Sunday School Normal held at Lenoir College commenced Monday evening with a grand reception. About 75 teachers and superintendents were present. This number will be considerably augmented on Tuesday. Every train is bringing new faces for the institute. The first session was held Tuesday morning. The opening sermon was preached by Dr. Deaton. The various classes were rapidly formed for the various grades of instruction. The selected instructors are all present. Bible instruction is being given by the Rev. C. K. Belt of Kings Mountain. The manner in which he gives the instruction shows that he is not a novice in the work. Rev. H. McCollough, of Columbia, is leading the teachers in a course of training which will undoubtedly be of great benefit. Rev. Cronk's method of imparting Missionary knowledge shows that he is a master of the subject.

Mrs. Cronk is again a brilliant star in Kindergarten and Primary work. She is being ably assisted by Miss Johnson of Salisbury. Wednesday evening an interesting illustrated lecture was given by Rev. E. C. Cronk to a large, appreciative audience. On Thursday evening Rev. Dr. Deaton of Newberry College, will lecture. The institute closes Friday night. It is open to all and free to everybody. The sessions begin at 9 A. M. and close at 1:15 P. M.

Come to the Institute if it is only for a day.

A good amount of ill health is due to impaired digestion. When the stomach fails to perform its functions properly the whole system becomes deranged. A few doses of Chamberlain's Tablets is all you need. They will strengthen your digestion, invigorate your liver, regulate your bowels, entirely doing away with that miserable feeling due to faulty digestion. Try it. Many others have been permanently cured—why not you? For sale by all dealers.

### Notes from Gunpowder.

Gunpowder, July 31.—The third quarterly conference for the Caldwell circuit was held with Rocky Mount church Tuesday and Wednesday, July 23 and 24. The presiding elder, Rev. Lee T. Mann, was present and preached two very strong and inspiring sermons. The Holy Sacrament was administered on Wednesday. Owing to the fact of its being a mid-week appointment, there was not a large crowd present. The reports were only fairly good.

On account of the death of one of its members at Mt. Herman, the pastor, Rev. J. W. Kennedy, was not present on Tuesday, he having been called there to preach the funeral.

Wheat threshing is about over in this neighborhood. Wheat was very sorry. Oats and rye were good.

The corn crop is looking well in most places. Rain is needed now.

Rev. A. L. Bolick preached the first sermon in the new Lutheran church, the third Sunday in July. They have a nice church nearly complete.

Rev. B. Sherrill has returned home from the Appalachian Training School at Boone.

### \$100 Reward \$100

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Halls Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Halls Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials. Address F. J. CHENEY & CO., Toledo, Ohio. Sold by all Druggists, 75c. Take Halls Family Pills for constipation.

### The Cortright Roofing.

Our readers have no doubt noticed the advertising of the Cortright Metal Roofing Co., 50 N. 23rd Street, Philadelphia, Pa., which has been appearing in our columns for several months with a change of cuts each week, and we hope that those of our subscribers who have been in need of such material have been interested and profited by these advertisements. The System of Roofing supplied by this Company possesses every point of superiority, weather-tight, fireproof, beauty of appearance, durability, ease of application and low first cost. Mr. F. B. Ingold is handling these goods locally and is always glad to show samples and quote close prices on any quantity.

Children Cry FOR FLETCHER'S CASTORIA

### A Good Collection for the Children's Home.

At the Methodist church last Sunday, Mr. G. F. Ivey, Supt. of the S. S. asked the classes to make a contribution towards the new building for the Home in Winston which is to cost \$20,000, and on which \$19,000 had already been raised. He stated that he would like for the school to take two shares of \$100 each. He further offered if the classes would make up as much \$200 he would increase the amount to \$250. On reassembling six of the twenty classes were ready to report and it was found that these had secured \$202 as follows: Dr. W. D. Nicholson's class \$100, Mr. J. A. Bowl's class \$50, Mr. J. F. Joy's class \$25, and other three classes together \$27. This with Mr. Ivey's contribution brought the amount to \$250. It is expected that the other classes will bring the total up to \$300 or more by next Sunday.

This contribution is a special in addition to the regular contributions of 5 cent per capita of the Sunday school every fifth Sunday, and an assessment of the church membership of an amount equal to 10 per cent of the pastor's salary, which makes this item \$150. It will be seen that the whole contribution to the Children's Home by the Hickory church this year will exceed \$500, and will probably reach \$600.

On next Sunday at 11 o'clock the Sacrament of the Lord's Supper will be celebrated at the Home. The services will be conducted by the laymen and the three Missionary societies of the church. The public is invited.

### A Negro Father of Nineteen.

An exchange speaks of a negro living in Wilson who is the father of nineteen children. This ought to make T. R.'s heart beat with joy. Besides his large family, his friends paid for six twenty-five cent lunches which he ate at one meal. He runs a farm which produces four crops annually, with the help of sixteen hands.

His monthly supplies consist of one barrel of flour, 6 bushels of corn meal, 200 pounds of meat, 5 gallons of molasses, 20 pounds of coffee, 30 pounds of sugar, 15 pounds of tobacco and 10 pounds of snuff. The youngest child is three years old. His last purchase of shoes consisted of 17 pair. The politicians of Wilson should keep an eye on this prolific darkey.

### GREAT MASS OF PROOF

Reports of 30,000 Cases of Kidney Trouble, Some of Them Hickory Cases.

Each of some 6,000 newspapers of the United States is publishing from week to week names of people in its particular neighborhood, who have used and recommended Doan's Kidney Pills for kidney backache, weak kidneys, bladder troubles and urinary disorders. This mass of proof includes over 30,000 testimonials. Hickory is no exception. Here is one of the Hickory cases.

Mrs. Fannie Probst, Twelfth st. and Second ave., Hickory, N. C., says: "Judging from my experience with Doan's Kidney Pills, I do not hesitate to confirm the public testimonial I gave some time ago recommending them. I suffered a great deal from nervous and dizzy spells and my head and back. The kidney action was irregular. I did not sleep well at night and arose in the morning tired. I procured Doan's Kidney Pills at Moser & Lutz's Drug Store and used them. They made me strong and well."

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States.

Remember the name—Doan's—and take no other.

### News of All Kinds.

Chairman Webb denies that he voted as Aus Watt, (Simmons' manager) told him to in the state committee, when the question of defining "Democratic ticket" was up.

The Mikado of Japan died Tuesday.

Mr. W. S. Gunsals, a farmer living near Fleming, Pa., says he has used Chamberlain's Colic, Cholera and Diarrhoea Remedy in his family for fourteen years, and that he has found it to be an excellent remedy, and takes pleasure in recommending it. For sale by all dealers.

The Epworth League of the Methodist church, held an interesting business session Tuesday night.

Thirteen people were killed in a wreck on the Burlington route in the suburbs of Chicago. One train ran into the rear of another in a fog.

Misses Claudia and Elsie Yount, of Route 3, are attending the Sunday School Normal at Lenoir College this week.

**CASTORIA** For Infants and Children. The Kind You Have Always Bought Bears the Signature of *W. D. Mitchell*

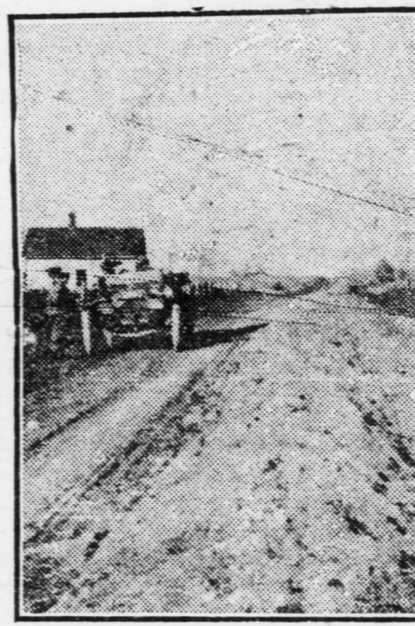
### Home Course in Road Making

#### IX.—The Gravel Road.

By LOGAN WALLER PAGE, Director Office of Public Roads, United States Department of Agriculture. Copyright by American Press Association, 1912.

**G**RAVEL may be defined as a mass of small fragments of stone which have been more or less rounded through the action of water and which have been deposited by the same agency along sluggish river channels or about the margins of lakes or other bodies of water. It may have been formed from the hard rocks along the seashore, the fragments of which, dislodged by the elements, fall into the water and are washed back and forth through the action of the waves, gradually becoming rounded and smaller.

In the New England states and other of the states lying north of the Potomac and Ohio river region gravel



A POORLY BUILT GRAVEL ROAD.

pits, which are frequently termed glacial gravels on account of their direct or indirect association with ice action are quite widely distributed, and these have been and may be used to a greater or less extent in road improvement.

During recent geological history of the continent the Atlantic and gulf borders have been submerged at intervals. The ocean has advanced inland a number of times. During each of these periods of continental submergence the harder rock remnants along the inner margins of the ocean's advance have been rounded, worn down deposited and redeposited with varying proportions of sands and loams and clays, thus forming beds of gravel, which are today available for road building purposes.

Gravel roads and macadam roads alike have often received sweeping condemnations as unsatisfactory when the cause of failure was poor construction and not the character of the material used. The need of care in grading and drainage in the construction of macadam roads is being quite generally recognized, but unfortunately many amateur road builders seem to think that gravel roads may be constructed by simply piling gravel on the surface and leaving it to be packed by the passing traffic. In point of fact, the grading and drainage and other details in connection with the construction of a gravel road should be done with as much care and thoroughness as in the case of a macadam road. Moreover, in the one case as in the other specifications must be adapted to varying local conditions. Of course, the gravel itself must be selected with care. That which contains a sufficient quantity of binding material so that it stands as a vertical wall when it is being excavated is generally the best, for the reason that this same binding material will re-cement the gravel when used for road building.

There are three important qualities which should be possessed by road building gravel—hardness, toughness and cementing or binding power. Of these three qualities the last is the most important. This binding quality is due in part to the presence of oxide of iron, lime or ferruginous clay and in part to the angular shape and size of the pebbles composing the gravel. Blue gravel is universally conceded to be the best for road construction, because it is usually derived from trap rock. As the pebbles composing the gravel retain the characteristics which they formerly possessed as a part of the larger rock itself, it follows that as trap rock is considered an excellent material for road building, trap rock gravel should occupy the same relative rank among the gravels. Limestone is, generally speaking, a soft rock, and consequently limestone gravel, which is quite rare, will usually be found soft and will wear rapidly. Quartz possesses practically no binding power, although it is very hard. Therefore gravel which contains an exception ally large percentage of quartz will not prove successful, as it will fail to consolidate unless it contains binding material, or unless a good binder is added.

In order that the material may bind readily the pebbles should be angular and should vary in size so that the smaller fragments may fill the voids

### The Chill and Fever Season.

Is the hardest of the year. The system run down, blood impoverished—in no condition to withstand the assaults of malaria and malaqua—'tis then we fall easy victims.

**Dr. King's Improved Chill Tonic** Will positively cure the worst case of Chills and Fever. Many so-called chill cures will stop chills, but only King's will cure. Sold by all medicine dealers.

between the larger pieces. Gravel obtained from streams is usually inferior to pit gravel for the reason that the action of the water has worn the pebbles smooth and practically all the fine binding material has been removed by the same agency. Even if clay or loam is mixed with river or creek gravel the result is not likely to be as satisfactory as that obtained by the use of pit gravel. Pit gravel frequently contains too much clay or earthy matter, while river gravel may have too much sand. In such cases it is sometimes advisable to screen the gravel so as to eliminate the material which is too fine or that which is too coarse. The screen should be similar to that which is used in preparing material for a macadam road. In the handling of the gravel care should be exercised not to separate the binding material from it, nor should this binding material be allowed to settle to the bottom in spreading the material over the road surface. It will often be found advisable to spread a thin layer of such binding material over the surface after the material has been distributed and rolled, and after this the surface should be sprinkled and rolled again or else rolled while still damp from the rains.

A large part of the gravel found in the Atlantic coastal plain is sufficiently fine and uniform to render unnecessary any assorting for road building purposes, but when the gravel, especially that which is to constitute the surface layer, contains large pebbles these should be removed and either broken aside or else raked into the foundation or recrushed. At least 60 per cent by weight of the gravel should be pebbles above one-eighth inch in size, and there should be no pebbles in the bottom layer that will not pass through a two and a half or three inch ring, and in the top layer there should be no pebbles which will not pass through a one and one-half inch ring. Not over 20 per cent of the mass should be clay, and this should be uniformly mixed and should contain no large lumps, or 15 per cent of clay produces better results than 20 per cent.

If the composition of the gravel is loose it should be carefully rolled. It is quite as important to have a solid foundation for a gravel road as for a macadam road. Gravel will compact to about 80 per cent of its depth, loose measure, provided earth shoulders are placed on both sides of the road to prevent the wasting away of the gravel on the sides. If gravel is abundant, however, these shoulders may be built of gravel instead of with earth, or the road may be surfaced with gravel from shoulder to shoulder. If the compacted depth of the gravel road is to be eight inches and the width twelve feet it will take about 2250 cubic yards of gravel to the mile, and it is best to make the first layer about six inches in depth, loose measure, and the second layer about four inches in depth, loose measure.

Gravel should not be dumped directly on the road, as this will usually result in a rough, uneven surface. If specially devised spreading wagons are not used the gravel should be dumped on boards and spread from them on to the road.

The gravel should be placed on the road commencing at the end nearest the gravel pit, in order that the teams will aid in packing the material. A spike or tooth barrow may be used to advantage in spreading the material, but if the gravel contains only a small amount of binding material the barrow should not be used, as it will have the effect of bringing the larger pebbles to the surface and shaking the binding material to the bottom.

Each layer of gravel should be rolled separately. The rolling should begin at the sides and continue toward the center until the surface is thoroughly compacted. The surface layer should be rolled last.

**A PROPERLY CONSTRUCTED GRAVEL ROAD.** be sprinkled while the rolling is in progress, but if a roller and sprinkler are not available the road should be constructed if possible in the spring of the year, as the successive rains will cause the material to pack much better than if the road were built in the dry hot summer or early fall.

If the gravel is lacking in suitable binding material and clay or loam is available a limited quantity of such material may be spread over the surface. The clay should be used very sparingly, however, as it absorbs water and causes the road to become soft and muddy in wet weather and dusty in dry weather. When the clay dries it contracts and causes the road to crack. Clay is also affected by frost. The same may be said of loam. The best binder of all is iron oxide, which is frequently found coating the pebbles. Very satisfactory results may be obtained by surfacing the gravel road with a thin layer of limestone or trap-rock screenings.

The split log drag or some similar device may be used to good advantage in maintaining the gravel road.

### The American People.

The National Disease is nervous prostration. What is to be the result of all this hurry, worry and work, sometimes over—sometimes under-eating, always under-sleeping—brain and brawn in constant state of agitation and unrest—sleeping badly, dreaming, tossing, waking? Dr. King has devised a remedy if used aright. King's Iron Tonic Bitters steadies the nerves, builds up the waste, gives new start. Sold under guarantee by all medicine dealers.

**Trade Week in Hickory.**  
The people of Catawba, Caldwell, Burke and adjacent counties will never have a finer chance to get bargains than during Trade Week in Hickory in which practically all the merchants agree to give back 5 percent of the purchase price, and to offer remarkably low prices on their goods. Lookout for the Democrat's Trade Week Edition next week. It will be full of splendid bargains.  
Trade Week is from Saturday, Aug. 10 to Saturday, Aug. 17.

## THE ASHEVILLE BUSINESS COLLEGE.

FALL TERM BEGINS  
**MONDAY, AUGUST 19, 1912.**

Full book-keeping and general business course, including all necessary branches, time unlimited regular price \$50.00. Full shorthand and typewriter course, including all necessary branches, time unlimited, regular price \$50.00. We will include one months board free in either scholarship you buy. We will include two months board free if you buy both scholarships. Only fifty scholarships will include board. Write for Catalog and rates without board. SITUATIONS SECURED on any scholarship. Young men and women attend here every year from Catawba County. Address,

Henry S. Shockley, Asheville, N. C.

I am a Catawba County boy. I took a complete double course at The A. B. C. two years ago. I have a splendid position up here at Asheville with a wholesale Gro. Co. There are a hundred of the graduates at work here. Hundreds more are at work in the State. It's a delightful place to live and work. Elbert Mills is my name. Would be glad to see more of the Catawba County boys and girls here this year

## "Swat the Fly"

To avoid the spreading of disease kill the fly. To avoid poverty and misery when you are old deposit your money in OUR bank where it will grow while you sleep, earning four per cent compounded quarterly. We have some fly swatters, which we will be glad to give our friends while they last. Call and get one.

**Hickory Banking & Trust Co.**

**Connelly Mineral Springs Hotel**  
Connelly Springs, N. C.

Now open for the Summer season. Thoroughly modern in all of its appointments, the very best service and attention. All amusements, Good orchestra. A delightful, health giving climate, and the very finest mineral water to be found, for nervousness, a run down system and all blood diseases. Reasonable rates. Write for illustrated booklet and information. Dances every Tuesday and Friday evenings. Good train service from Hickory.

**Connelly Mineral Springs Hotel**  
Connelly Springs, N. C.

Founded 1838 Chartered 1859  
**TRINITY COLLEGE**  
ITS STRENGTH LIES IN  
A large, well-trained Faculty; excellent Buildings and Equipment; full, well-arranged Courses; earnest, high-minded Students; a large and loyal body of Alumni and Friends; noble Ideals and Traditions; an inspiring History of Achievement and Service.  
Next Session Begins September 11, 1912. For Catalogue and Illustrated Booklet, address  
R. L. FLOWERS, SECRETARY, DURHAM, NORTH CAROLINA.