



RETURNING YOUTH.
 "I am seventy years young," said Oliver Wendell Holmes when they asked his age. True enough. He was young because his heart was young; his step was firm; his eye was bright; his laugh was clear and merry; his appetite was good; and above all — so was his digestion.

No man should be old before his time because of a weak stomach, sluggish liver, shaky nerves and flabby muscles. There is no need of it. Dr. Pierce's Golden Medical Discovery cures these things. It brings back youth to the aged because it brings back keener appetite and good digestion. It tones up the liver, puts oxygen and life into the blood, and solid strength into the flesh and muscles. It contains no alcohol to stimulate or create a morbid appetite or craving for stimulants.

I have never felt better in my life than I do now. Charles Hunwick, of Lenox, Mass., writes in a remarkable letter to Dr. R. Y. Pierce of Buffalo, N. Y.: "I have taken Dr. Pierce's Golden Medical Discovery right along, and I can walk quite well with a cane and hope I may live long enough to see my grandchild."

Do not use crutches for nearly two years, I can now walk as well as I do. I do not cough now and I can sleep like a school boy. I think I can change my mind about "Patent Medicines" as I never had much faith in them; but I know that I have been treated in the hospitals and by three doctors besides, and received no benefit, so I think your medicine is the only medicine for me.

There is nothing in the world for the aged like Dr. Pierce's Pleasant Laxative. They should be taken in conjunction with the "Discovery," when any disease is complicated with that dangerous condition. Nothing else that can be offered in their place will accomplish what they will. And their recovery is permanent. Write to Dr. Pierce for free advice.

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 are a source of comfort. They are a source of care, also. If you care for your child's health, send for illustrated book on the disorders to which children are subject, and which **Frey's Vermifuge** has cured for 50 years.

Care bottles by mail for 25 cents.

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FRUIT CULTURE.
MR. CONE'S WORK AT BLOWING ROCK, THIS STATE.

Science and Money Applied to the Growing of Apples—An Extensive Experiment—Over 25,000 Apple Trees Planted—Mr. Cone's Place on Flat Top Mountain Surpasses Vanderbilt's Biltmore Estate in Altitude and Beauty of Location.

Correspondence of the Charlotte Observer.
 Blowing Rock, Aug. 30.—As the development of the resources of the United States progresses there are changing phases of different interests and it becomes of the utmost importance to watch the experiments that bring about the changes. The wheat and flour interest went from the East to the West and now seems to be coming back in a more or less extent to the Southeast. The cattle interest went westward and this too seems to be moving now southward. The subject of fruit is an exceedingly interesting and varied one and it is a subject that is of the greatest interest to the favored sections of the Southeast.

At Blowing Rock there is a development being made in the fruit culture on a large scale and with every facility that science and money can bring to bear on the subject. Mr. Moses H. Cone in 1893 having his attention drawn to the favorable conditions existing in the mountains of North Carolina for horticulture and for pomology in particular purchased near Blowing Rock the necessary land and planted an orchard of about 1,000 trees including apples, pears, peaches and others. Finding much interest in this orchard and becoming further interested in the subject Mr. Cone laid plans for a far more extensive experiment. His motive was two fold, (1) his work as a manufacturer and merchant, both on a large scale, made some diversion necessary to occupy him in his summer rest and (2) he conceived that a comprehensive exhibit of what could and could not be done in horticulture in the North Carolina mountains would be of value to the State and to humanity.

Commencing in 1893 and continuing up to the present time Mr. Cone has acquired something over 3,000 acres of land near Blowing Rock at an average altitude of about 4,000 feet above the sea. He has so far planted the following fruit trees:

APPLE TREES, LISTED IN THE ORDER OF THEIR QUALITY.

Spitzenberg	200
Johnathan	400
Albamarle Pippin	4,000
Virginia Beauty	1,000
York Imperial	1,250
Magnum Bonum	3,000
Baldwin	500
Winesap	2,000
Arkansas Mammoth Black	2,750
Royal Limbertwig	2,000
Ben Davis	6,000
Various varieties	2,000
Total trees	25,100

OTHER FRUIT.

Mr. Cone has about 2,000 other fruit trees consisting of peach, pear, plum, cherry and a great variety of strawberries, raspberries, grapes and other fruits.

Taking the apple tree alone as a basis for calculating possible results we have the following as a possibility after 12 years. With the attention that each tree is to receive to bring it up to its highest state of cultivation at the end of 12 years a crop of 6 bushels to the tree may be reckoned upon. This from 25,000 trees would make 150,000 bushels of apples which at market prices would yield with railroad facilities 40 to 75 cents a bushel at the tree according to the state of the market. Counting 50 cents as a reasonable expectation, the crop would yield in money \$75,000. This means a result after 12 years of continuous scientific care and expenditure of money and no returns in the meantime.

Mr. Cone recognizes that the production of fruit is a hazardous undertaking chiefly because of the diseases and insects to which the trees are subject and that the above result is contingent upon the possibility of preventing by careful attention and scientific knowledge constantly brought to bear on the subject the interference with the crops by insects and tree disease. This is the experiment that he is making. I have seen some trees on Mr. Cone's place that are now 15 to 20 years old bearing at least 15 bushels to the tree of very fine fruit. It is therefore evident that if this could be done continuously and on a large scale, giving this full crop once in two years which is usual, the business could be made very profitable. Allowing for a somewhat lower average and other deficiencies, the giving of a full crop once in three years would be easily possible as far as the tree, soil and climate are concerned. Even this would give an average annual income of \$25,000 per year and considering that the markets remain as they have been in the recent past.

In the 12 years in which there will be no income the cost of the cultivation of this orchard will be something like \$4,000 per year making an outlay of say in round numbers, \$50,000, outside of the first cost of the land, of which there is 3,000 acres, and the planting. Most of the trees are on steep mountain slopes protected by rock wall terraces built for the purpose.

Mr. Cone is now negotiating to am-

play a scientific horticulturist to live to on his place and look after the trees.

For the proper cultivation and growth of these trees four things are absolutely essential:

1. Cultivation.
2. Fertilization.
3. Pruning.
4. Spraying.

Each one of these requires elaborate knowledge for different soils, seasons and circumstances. This knowledge and skill will be expected to be brought to bear through the scientific superintendent who will be employed. There will be a force of men kept employed at all times to do the work. The superintendent will have several assistants who are practically posted in fruit culture.

Mr. Cone is building a summer house at Blowing Rock and will give much personal attention to this fruit farm during the summer months. Fronting the house, from which there is seen an unsurpassed landscape, and far below the house, he is having a dam built across one of the mountain streams which will make a lake covering about 25 acres. He has built more than seven miles of drives, through his land lying on Flat Top mountain, leading through as picturesque landscape as can be found in America. From several points on these drives there are lookouts over a vast panorama of mountain peaks, ridges and deep valleys of unsurpassed beauty and grandeur. The view comprises a landscape beginning at the Pilot mountain covering Morganton, the Yadkin valley all the way to its source at Blowing Rock, also covering the Catawba valley, with King's mountain in the distance. It also overlooks Morganton, the entire Black mountain range and terminates at the Roan in the west. Northwestwardly may be seen the Smoky mountains dividing North Carolina and Tennessee and views extending into four States, viz., North Carolina, South Carolina, Virginia and Tennessee. The view from the porches of Mr. Cone's new house will extend from Pilot mountain covering Morganton, the Black mountain, the Roan and the Smokies, a distance of more than 200 miles. Flat Top Mountain is peculiarly notable for having a wonderful plateau at such a height, 4,500 feet, covered with such fertile soil and perfect growth of timber and foliage.

The altitude of Mr. Cone's development is more than twice that of the Vanderbilt undertaking near Asheville and his landscape from three to five times as extensive. Besides the fruit farm Mr. Cone will interest himself in stock, as he has more than 400 acres in grass. He will give particular attention to the subject of beef cattle and mutton. He will buy both sheep and cattle next spring and make a start in this department of the farm.

There is nothing in this or relating to it that is intended for making money. It is undertaken for personal interest and for what public good may result. The chances are being taken as to whether, by such an expenditure extending over so long a period the land can be made to produce the result in profit above estimated or whether more or less profit or no profit at all is the outcome. At any rate Mr. Cone is making most excellent entertainment for himself in a climate the tonic effects of which are unequalled in the world.

I have suggested to Mr. Cone that he have records kept of the development of these orchards, giving what troubles may present themselves, by what remedies these are overcome, and what, in the end, the outcome is. Out of such records, including photographs of the growth of the trees from year to year, a book could be made which would make a standard work on pomology and other fruit growing in mountains of western North Carolina.

The principal apple growing sections of the United States are in the Ozark mountain regions of Kansas, Arkansas and Missouri, in Michigan, in western New York and in New England. Canada is also a large producer of apples.

There is quite an export trade in apples. In England especially American apples are popular and in good demand. It is a business in which there is a large and growing market and one that will deserve the attention of the people in the mountainous portions of this State. D. A. TOMPKINS.

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 The Hot Springs of Arkansas.
 Via Southern Railway.

Will eradicate from your system the lingering effects of grip and other ailments caused by the severe winter, and malaria, rheumatism, neuralgia, catarrh, stomach, kidney, liver and nervous disorders, paralysis, blood and skin diseases, and chronic and functional derangements. The mountain climate of Hot Springs is cool and delightful in summer. 100 hotels open the year around.

For illustrated literature, containing all information, address C. F. Cooley, Manager Business Men's League, Hot Springs, Ark.

For reduced excursion tickets and particulars of the trip, see local agent or address W. A. Turk, Gen'l Pass. Agt., Southern Ry., Washington, D. C.

Richmond, Va., June 10, 1898.
 GOOSE GREASE LINIMENT CO., GREENSBORO, N. C.
 DEAR SIR—Some time ago you sent me one dozen bottles of Goose Grease Liniment to be used in our stable amongst our horses, and we beg to state that we have used this exclusively since receiving it, and would state frankly that we have never had anything that gave us as good satisfaction. We have used it on cuts, Bruises, Sore Necks, Scratches and nearly every disease a horse can have and it has worked charms. We need more at once. Please let me know if you have it put up in any larger bottles or any larger packages than the ones sent us and also prices.

Yours truly,
 STANFORD OIL COMPANY.
 By I. C. West.

Make Haste Slowly.

Don't be in a hurry to buy a Wheat Drill before you have examined the Improved Steel Frame "BUCKEYE." We claim for it: The Lightest Weight. The Lightest Draft. DRILL with a perfectly satisfactory Fertilizer Feeder. The ONLY DRILL having Glass Fertilizer Feeders which will not gum, clog or choke, and which are always clean. Will not rust or corrode. The Buckeye Drill is no experiment. Made from the best material by folks who have been making drills for years, it is as near perfect as a drill can be. Has the "Double Run" Force Wheat and Oats Feeder.

In buying, buy the best—the Buckeye.

GREENSBORO, N. C., Aug. 21, 1899.
 Wakefield Hardware Co.
 Dear Sirs—I have used several different kinds of drills and find the Buckeye Disc Drill the best of them all. On clean land it does good work, and on grassy or stony land it also does good work—better than the Hoe Drill. It will put in any amount of fertilizer wanted up to 500 pounds. Also does fine work in sowing peas and oats.

ALBERT PEELE.



HILSDALE, N. C., July 27, 1899.
 Wakefield Hardware Co., Greensboro, N. C.
 Gentlemen—The Buckeye Drill I bought of you last fall has given entire satisfaction. It does all that is claimed of it. I am well pleased with it.

Yours truly,
 W. H. WARREN.

WAKEFIELD HARDWARE CO.

CONSUMPTION OF QUININE.
 Some of Our Soldiers in Hospitals in Cuba and Porto Rico Used as Much as Three Hundred Grains a Week.

More than 125,000,000 grains of quinine have been consumed by American soldiers during the past year. In some cases men who were in the hospitals in Cuba and Porto Rico used as much as 300 grains a week, and hardly any have failed to use the drug at some period of their service. It is stated that the people of this country consume one-third of the quinine of the world, the drug being used in the preparation of many patent medicines, tonics, bitters, cold ointments, etc., as well as in pills and in bulk, and a considerable quantity is consumed in the manufacture of hair tonics.

The official figures to the treasury bureau of statistics show that there were imported last year into the United States 1,639,056,750 grains of quinine, and as there was practically no export of this article, this means that the consumption of quinine was about twenty grains for each inhabitant. As is well known, quinine, Peruvian bark and calisaya bark are the products of the cinchona tree, which is a native of Western South America, more particularly of Peru and Ecuador. Now, however, but a small part of the supply comes from that region. At present two-thirds of the quinine consumed is produced in Java from cultivated trees.

For many years the Dutch Government was urged to undertake the cultivation of this plant from Peru. Finally this was accomplished and a large number of specimens of the different varieties were obtained by botanists, who took them to Java in 1852. The English Government also started cinchona plantations in India which now produce large quantities of quinine.—Scientific American.

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G. W. WARD.
N. & W. Norfolk and Western
 Schedule in Effect
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 Academy and College, for Girls and Young Women. Best home care, together with full College instruction. Specialists in Music, Art, Elocution, Languages, Commercial and Industrial Studies. Institution founded in 1862. The Register shows \$28 last year. New term begins Wednesday, Sept. 6, 1899. Send for Catalogue to Rev. J. W. CLEWELL, Principal, 31-75 Salem, North Carolina.

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 A Scientific, Unfailing and Permanent Remedy for Dyspepsia, Indigestion and all Stomach and Nerve Troubles.

Put up in tablet form, pleasant and easy to take and affording immediate relief by its stimulating nature to furnish natural nourishment to the Blood, Nerves and Muscles.

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WESTBOUND. LEAVE ROANOKE DAILY.

4.55 a. m. (Vestibuled Limited) for Bristol and intermediate points, and Knoxville and Chattanooga, all points South and West. Pullman Sleepers to Memphis and New Orleans.

4.23 p. m. for Bluefield, Peachontas, Kenoy, Columbus and Chicago and all points west. Pullman Sleepers from Roanoke to Columbus, also for Radford, Bristol, Knoxville, Chattanooga and intermediate points. Pullman Sleeper Roanoke to Knoxville.

NORTH AND EAST BOUND LEAVE ROANOKE DAILY.

1.40 p. m. for Petersburg, Richmond and Norfolk.

1.45 p. m. for Washington, Hagerstown, Philadelphia and New York.

12.35 a. m. for Richmond and Norfolk. Pullman Sleeper Roanoke to Norfolk and Lynchburg to Richmond.

12.35 a. m. (Vestibuled Limited) for Washington and New York. Pullman Sleepers to Washington, Philadelphia and New York via Lynchburg.

DURHAM DIVISION—Leave Lynchburg daily except Sunday, 4.00 p. m. (union station) for Durham and all intermediate points. Leave Durham daily except Sunday, at 7.00 a. m. for Lynchburg and intermediate points.

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