THE GREENSBORO PATRIOT.

PRECIOUS METALS OF GUILFORD COUNT

Ever since the Revolutionary war North Carolina has been a considerable producer of precious metals. Of the \$45,565,483.00 gold production credited to the Southern states from the years 1799 to 1895, inclusive, North Carolina, with the crudest of gold saving methods, furnished \$21,778,472. The discovery of gold in California followed by the Civil war, caused a falling off in the gold production of North Carolina and put a stop to all mining operations in the South. Since that time there have been periods of revival and depression, but no genuine revival until recently, when new, cheap, and effective methods for the extraction of gold and other metals from pyrites ores came into successful use.

A recent report of the Labor Commissioner of North Carolina states there are two hundred and seven known gold mines in North Carolina, of which forty are in operation, and twenty of which are gold producers and have deposited gold at the U.S. Mint at Charlotte, N. C., during the past year. Also that the wages paid miners was from sixty cents to \$1.50 per day. The deepest mine in North Carolina is "Gold Hill," over eight hundred feet deep.

The recent advance in copper has stimulated prospecting. New copper prospects are being discovered and some of the old known copper mines

are being reopened and operated. Professor Holmes, State Geologist of North Carolina, recently states that

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RECOGNIZING THE DEMAND FOR MODERN HOMES. HAVE ERECTED FIFTEEN HANDSOME MODEL RESI-WE DENCES; EACH ONE CONTAINS EVERY CONVENIENCE,

WATER, GAS AND SEWERAGE.

INVITED CORDIALLY INSPECT ТО

the grey copper mines of Granville and Person counties, are being successfully operated, and that a smelter will be built at the mines to treat ores more economically than by shipment to a New Jersey smelter as they are now doing profitably.

Two parallel gold and silver, and copper bearing mining belts or formations, traverse Guilford county, in a northeast by southwest course, the course of one running west and the other east of the city of Greensboro, making it a central point for mining supplies, and an advantageous location for a custom mill or smelter for extraction of precious metals from the various valuable ores of Guilford and adjacent counties which these ore belts traverse.

The defined width of the "Central Syenite," or so-called "Granite belt" is from fifteen to twenty five miles. Including the adjoining "Huronian Slates" they are from twenty to fifty miles wide. The granite belt really also contains considerable chlorite and hornblende, pyroxene and epidate are abundant, together with magnetite. The mines are not uniformly distributed in this area. At the northeast in Guilford county they occur near the southeast edge of belt and near the Huronian schists.

The quartz and slate ores of this igneous formation are almost always auriferous (gold bearing) and sometimes cupriferous (copper bearing). They rarely contain much lead, zinc or nickel. The silver present is usu- to accurately estimate the yield of mits work the year round. The coun- metals than ever. By these new methsurface) as the sulphurets make them one and two million dollars. SO.

mines of Guilford county lying from six to twelve miles south and southwest from Greensboro, that were previous to the Civil war or at one time "The Gardner Hill Mine," "The Mc-Lindsay Mine," "The Deep River Mine," "The Guilford Mine," "The Twin Mine;" and some twelve to twenty miles north and east, "The Melvin Mine" and "The Gibson Hill yielding from 15 per cent. to 30 per lina. cent. of copper. This was accom-

MODERATE AND TERMS LIBERAL. HOUSES. PRICES ARE SUMMIT AVENUE BUILDING COMPANY, GREENSBORO, N. C.

ally alloyed with the gold. Arsenic these Guilford county mines in gold try is well watered and timbered. ods refractory ores can be treated and and antimony are not common, and and copper, but from best data obtain- Water supply at each mine, and wood as high as 95 per cent. of their value the ores are only refractory below able, I think I am safe in putting the fuel averages \$1.00 per cord deliv- of precious metal extracted at little water level (forty to sixty feet below value of their production at between ered at mine. Labor, cheap, abundant greater cost per ton than ordinary

The veins occur in the syenite or in belts are decomposed (oxidized), and near railroad depots and within easy to \$2.00 per ton. The lack of capital, contact with the granite and adjoin- easily and cheaply mined to water reach of mining supply and machine experience in mining, and unsuccessing slate formations. The vein fis- level, an average depth of fifty feet works, as well as of principal cities of ful trial of new and unproven patent sures range from a few inches to from surface, above which the gold is the North and East; and mines located processes for the saving of gold, as many feet in width-sixty feet wide in its native state, viz.: Free milling in a settled, law-abiding section of our well as unscrupulous promoters, have in some instances. The chief filling of and readily saved by quicksilver. Be- country where all investors or settlers been a great drawback to legitimate the vein fissures is quartz (and some low the water level, the ores are are warmly welcomed and protected. mining in the South. As an instance slate) carrying gold and auriferous sul- harder, and the precious metals are phurets of iron and copper. The pay in mechanical or chemical combina- value of from \$5.00 to \$50.00 and even capital and experience is now doing ores of these veins range in value from tion with iron and sulphur, requiring \$100.00 per ton, some of which ores in Southern gold fields, I will cite the \$2.00 or \$3.00 to \$100.00 per ton in different treatment. While we have can be concentrated four or five to "Hoile Mine," near the border of gold and silver, and many of these plenty of water in our mines, yet in one, by crushing and washing out the North and South Carolina, where with properties can be secured at reason- North Carolina I know of none that ably low prices. Among the older would be called very wet mines in the West, or objectionable on that account. The true veins of these ore belts are regular, well defined and continuous successfully operated for gold and lenticular and alternating in thickness copper, are "The North Carolina or both in length and depth, but perma-Fentress Mine," "The Hodgin Hill," nent in depth and values, as shown by "The Fisher and Millis Hill Mine," present or previous development. In some veins, the pyrites lenticular ore Culloch or North State Mine," "The formations, alternate as depth is gained, in their iron and copper contents. The iron pyrites dumps at mines previously worked for copper are evidence of this. Mining operations in Guilford coun-Mine." These mines were worked to ty, either in re-opening old mines, or depths varying from fifty to three in new prospects frequently being dishundred and fifty feet, the quartz covered and opened, offer inducements veins varying in width from one foot for the profitable investment of capto twelve feet or more. They produced ital to practical mining men both free milling gold ores running from in operating mines or mills, or a cus-\$2.00 to \$100.00 per ton or more, and tom ore reduction works at Greenseven a better average grade of iron boro, whose eight railroad connections pyrites gold ores from which they could convey various varieties of iron were unable to extract the gold with and copper pyrites, gold, lead and the methods then known and used. zinc ores and coal or coke fuel to this In some of these mines they also pro- point from their known locations in duced a cobbed or selected yellow sul- Guilford and adjacent counties in the phide of copper ore and concentrates central mining belts of North Caro-Mining and milling operations in plished with crude crushers such as North Carolina can be carried on for "the Chilian mill" and "wooden one-half (fifty per cent.) of the cost stamps," and the old "Cornish Bud- of operating in the average Western dle " for concentrating. It is difficult mining districts. A mild climate per-

and efficient, at prices ranging from stamp milling of free milling surface The quartz and slate ores of these sixty cents to \$1.50 per day. Location ores, which has previously cost \$1.00 With veins carrying ores of a gold of what legitimate mining backed by

> quartz and slate, it would seem to a large vein of iron pyrites gold ore only require capital and mining experience in developing these formations and in adapting the new cheap

method of chlorination, cyanide, electro-cyanide, smelting, etc., to the treatment of the pyrites ores to make this county and section a larger and 000.00.

more profitable producer of precious

that only averages between \$3.00 and \$4.00 per ton in gold, they last year. with an adequate milling and concen trating plant, and with the chlorination method of treatment of concentrates, netted the owners over \$100,-

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