## NEW CUBAN MINES.

VAST IRON AND COPPER DEPOSITS OWNED BY AMERICAN SYNDICATE.

The Iron Discoveries About Nipe Bay-Mining With Steam Shovels-Cuba a Land of Minerals-Something About Mining Concessions-The El Cobre Mines Which Have Produced Sixty Million Dollars Worth of Copper Ore-The Gold Mines of Holguin.

s have been recently discovon the highlands above Nipe Borings have already been determine the extent of the nd it is said that millions fron are almost in sight. Minare now testing the ore sated, and if their experi-

e Peansylvania Steel company, the company and in the Cuban

ba. They were first opened ut it was not until 1883 that became interested in hat time they have prompany and the Maryland

h-American Iron company nines near Daiquiri which in roadstead twelve miles Castle. The deposits are ack of the seaport, and a standard guage railroad les to the bay, and steel to those of Lake Super-ist beside these docks that de their first landing dur-

ish-American war.
i mines are valuable,
cated by Samuel P. Ely
1889 and Mr. Ely found-

wrighted by Frank G. Carpenter.) has recently begun the development of another district which will feed into Daiquiri. I am told there is more one in sight than the amount so far

The Cuban Steel Ore company has iron mines in the mountains 40 miles west of Santiago and about six miles back from the seaport of Chirivico. The mines are connected with the sea by a railroad which is said to be one of the best equipped of its kind on the island, and at the Chirivico are two wharves and a steel dock a thousand

MINING WITH STEAM SHOVELS. The iron ore of Cuba is both mag-netite and hemetite. It is found chiefly near the tops of the hills in small, ir-regular bodies without definite walls. It is very hard and must be broken loose from the country rock with sled-ges and explosives. It is of such a naused to tear away the earth and un-cover the ore. There are hundreds of such shovels now working at Daias that of Lake Superior ight down to the smelters on ing the Culebra pass at Panama.

The most of the Cuban miners are immigrants from northern Spain. The natives work well with the machete, but they seem lost in the presence of quiri, and the Lola mine there is being

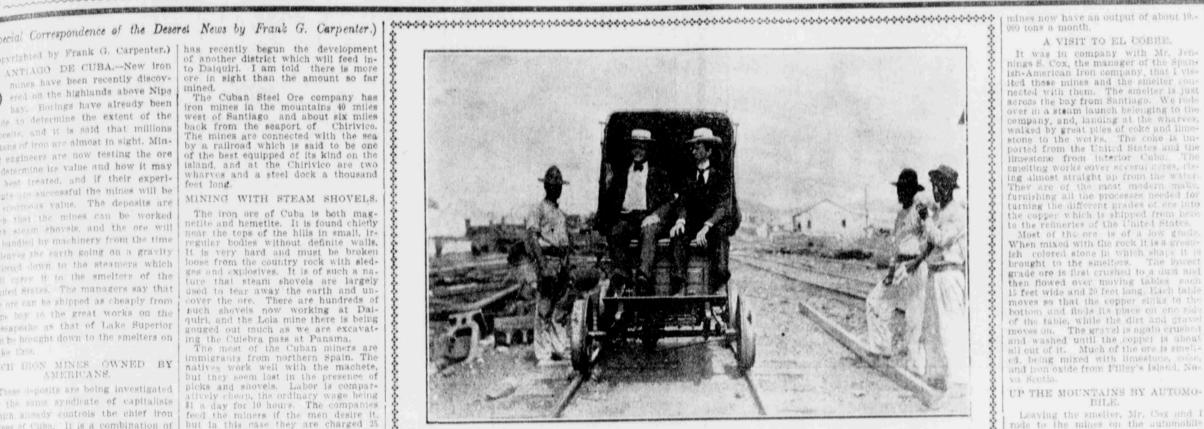
but they seem lost in the presence of picks and shovels. Labor is comparples same syndicate of capitalists the s bachelors and buts for those who have families. Nearly every mining property has its store where meals, provisions and clothing can be purchased.

and thereafter pay a small government tax per year. The government grants concessions for an unlimited number of years, and the owner may work his mine or not, as he pleases. His tax for mine or not, as he pleases. His tax for all metals except iron is at the rate of \$5 per hectare, or two and one-half acres per annum. If it is an iron concession he will pay only \$2 per hectare.

At present the Cuban government has granted over 200 iron concessions. It has granted 145 concessions for mining manganese, 112 for copper, 29 for gold, 10 for lead, 4 for guicksliver, 3 for zinc.

in 1880 and Mr. Ely foundmish-American Iron commate them. He had made
mining in the Lake Superion, and when he opened
mines he introduced the
ern machinery. The mines
oduce in 1895, and at the
their output was equal to
tree and a half million tons
in the states in the neigh10 for lead, 4 for quicksilver, 3 for zine,
six for petroleum, and 78 for asphalt.
These items will give an idea of the
minerals which exist in the island, Minerals are found in every province, from
Pinar del Rio to Santiago, although the
later is, above all others, the richest
in Cuba. The concessions granted in
Santiago number 436, of which the largest number are for iron, manganese,
copper and lead. The total value of
the mineral products of Cuba in 1901
was \$3.000.000. of which the most came
from Santiago.

MANGANESE MINES.



MR, COX AND I RODE TO THE MINES IN THE AUTOMOBILE,

Specially photographed for the "News" by Frank G. Carpenter.

CUBA A LAND OF MINERALS.

These mines give some idea of the rich fron deposits of Cuba. The island has never been carefully prospected, although hundreds of mining concessons have been taken out, and mining properties are owned here and there all over the Island. It is easy to get a mining concession, and it costs only a bagacelle to hold it. If one wishes to take out such a right he has only to conform to certain legal technicalities, and thereafter pay a small government grants and thereafter pay a small government tax per year. The government grants concessions for an unlimited number of years, and the owner may work his mine or not, as he pleases. His tax for manganese is obtained which does not require washing. The richest mines are owned by the Ponupo Mining company of Santiago; and others, known as the Boston mines, are owned by the Standard Menganese company of New York. The latter company began shipping in 1902. Its works are well equipped, having a Corliss engine, large pumps and other powerful machinery. The manganese usually lies in limestone and sandstone, associated with jaspar. The deposits vary in size, from a pebble to masses that weigh several hundred tons.

Minimal Standard Mulch (18 in addition to the amount mined by the Spanish government for 200 years, Between 1851 and 1852 the ore exported from El Cobre was valued at \$15,000,000; and they were, as I have said, the richest copper mines of the world until the Calumet and Hecla mines of Lake Superior were discovered.

Some of the best prospects among Cuban minerals are copper. This metal is found in nearly every province. Copper deposits have been worked in Pinar del Rio, in Havana and Matanzas. In Santa Clara valuable beds of this ore

MILLIONS OF DOLLARS IN CUBAN COPPER.

The copper mines of Cuba have produced millions in the past, and the prospect is that they will yield millions in the future. Copper is found in nearly every province, but the great copper province is Santiago, which was long noted as having the richest copper mines of the world. These were the famous El Cobre mines, which lie in the mountains about 12 miles west of Santiago, and which are now again being worked by the Spanish-American Iron company. El Cobre was opened up about 1530 as a crown possession of

del Rio, in Havana and Matanzas. In Santa Clara valuable beds of this ore have been found near Clenfuegos and there are a number of mines in Puerta Principe. Some of the oldest copper mines of the latter province are now in

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was their condition at the close of our war with Spain. At that time American capitalists bought out the titles of the old company. They have since pumped much of the water from the mines and are gradually taking out the ore. There are altogether more than five miles of underground workings.

The El Cobre mines are 1,250 feet deep, and their lowest tunnels are 900 feet below the level of the sea. So far only 600 feet has been pumped out, the pumps being kept going just enough to keep the water away from the miners. syndicate began work last fall and made its first shipment of ore last November. It has already taken out almost a hundred thousand tons, and the part of the ore taken out is the color of St.

A VISIT TO EL COBRE. It was in company with Mr. Jen-nings S. Cox, the manager of the Spanish-American Iron company, that I vis-ited those mines and the smelter connected with them. The smelter is just across the bay from Santiago. We rode over m a steam launch belonging to the company, and, landing at the wharves, walked by great piles of coke and limestone to the works. The coke is imported from the United States and the limestone from interior Cuba. The smelting works sover several stress, the Most of the ere is of a low grade. When mixed with the rock it is a greatish colored stone in which shape it is brought to the smelters. The lowest grade ore is first crushed to a dust and then flowed over moving tables each 15 feet wide and 20 feet long. Each table moves so that the convex state is the convex state in the convex state. moves so that the copper sinks to the

and iron oxide from Filley's Island, No-

out along the Cobre river, winding its way through a deep canyon, until it reaches an altitude of about 1,500 feet

A CUBAN YELLOWSTONE PARK. I wish I could take you into the mountains back of Santiago where

per mines, with the loads of ore coming out of them to be dumped into the cars for the smelter. Many miners are to be seen about the works. Something like a thousand are now employed, and this number will probably be increased as the development progresses. There is no doubt but that the Cobre mines are

GOLD AND SILVER IN CUBA.

pounds. Samples of ore the latter mine were taken to on and assayed. They showed a mum of 32 ounces of gold to the These are other mines in the same vicinity which contain gold-bear-log quartz, and the streams about are FRANK G. CARPENTER.

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# New Autumn Suits and Goats



OT all here yet, but enough to afford you splendid ideas of the styles that will prevail this season. We are showing a Good, Strong, Sensible Line, combining entire practicality with artistic beauty; more varied and extensive than ever.

## AN EARLY INSPECTION IS RESPECTFULLY INVITED

In Suits the present tendency is towards the "Paddock" rage, mannish, long and tight-fitting styles; while the Gorrect Thing in Goats for the Fall Season of 1905 will be the "Empire" and the Fur Lined and Fur Trimmed Garments. Every model will satisfactorily meet the requirements of particular trade, while the values are such that they are bound to meet your price needs.

## First Gimpse of Autumn Hats

ADAM TRUMBO has returned from her Eastern purchasing Trip and will welcome the many friends and admirers of the department over which she presides. Glosely following her home-coming is the daily arrival of the Latest Greations in the Milliner's

Art. Every new idea in Hats is included in the stock purchased for this season's business, including the latest Patent Leather, Taffeta and Felt three-cornered continental Hats that seem to have caught the popular fancy. There is an individuality and attractiveness about the New Fall Styles that will readily appeal to the most exacting tastes of every lady.

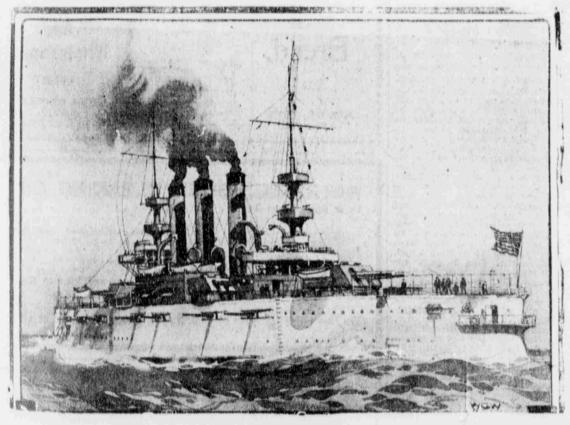


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ERGANTILE



### NEW BATTLESHIP.

This is a picture of the Kansas, our latest battleship. One thing remarkable in the history of the ship, she is the only ship in the American navy which was christened without the use of wine. The Kansas was christened by Mirs Anna Hoch, the young and pretty daughter of Governor E. W. Hoch, of Kansas. The Kansas is equipped a flagship. Her twelve-inch guns will be mounted in pairs in two turrets on the midship line. This ship will ADE Of the most formidable fighting machines afloat. Of 16,000 tons displacement, she has the following dimenons. Length, 450 feet; breadth, 77 feet; draught, 26% feet. She can quarter 850 men.

## HOW TO REDUCE FLESH.

all ye fat women, and ope. Amelia Summerville, ighed 248 pounds when she l as the Merry Little m Maid, and who is now one rize beauties in "The Earl and has been Jelling how she

the fat woman to lose weight the most heroic measures. Sitown and talking about it will to a bit of good.

Ty may take off a few pounds, will bring plenty of wrinkles, and exercise alone will do the

much-advertised obesity Unless one has then thoroughly d and knows exactly what is I sincerely recommend that et I do not mean starvation. I

simply the elemination of fatng foods.

Producing foods.

Fat is simply over-nourishment.

When I say exercise I do not mean to wear yourself out by violent exercise. That makes muscle, and muscle is never attractive for a woman.

Walking will do more to aid a woman in getting rid of her surplus fat than any other one thing.

My daily walk has become a necessity. The day is incomplete without it. "My meals are simple, but sufficient." For breakfast I have fruit, coffee and dry toast, with a little butter. I seldom eat luncheon and never anything more

hearty than some tea and toast or alad. "For dinner I forego soups, rich

sauces, potatoes, creamed vegetables and sweets.
"Instead I eat a piece of steak or roast beef or lamb or mutton or chops, some vegetable which is not fattening, and a salad. Green vegetables are splendid things

to eat and the drinking of hot tea is helpful in the reduction. Milk, cream, butter and sugar are not to be thought 'Neither can a woman indulge in ales, beer or wine and hope to lose flesh. Plenty of sour lemonade is ex-cellent for her to drink, even better

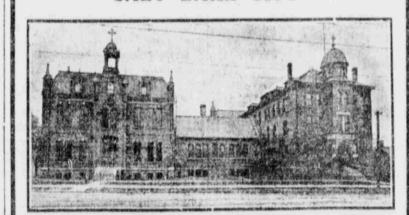
than plain water.
"It think breakfast is the most fattening meal of the day. The woman
who persists in eating a heavy breakfast will never reduce her weight. And no one can lose weight in a y or a week or a month. Patience

and persistence are necessary, and it may be a long time before all your heroism begin to show results. "However, don't get discouraged, and don't stop trying for a minute. In the end you will achieve your ambition."—New York Press.

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