There are no courts in the Klondike region, but perhaps they are not nec-essary where everyone observes the golden rule.

Talk about the far-off gold fields, listen to this Georgia editor: "Our City Council should make an effort to keep down the gold dust. It hasn't rained for some time, and when the mines are at work the dust from the gold nuggets is positively stifling!"

Russia, according to the recent census returns, has a population close to one hundred and thirty millions, about equal to that of any other three European States. Half a century ago its people numbered very nearly what ours do now; that is, they have just cheek doubted in this residue. about doubled in that period.

A scheme is on foot to bore a longi-tudinal hole through the ancient Egyp-tian obelisk at Paris, and utilize the monument as a kind of candlestick for electric light lamps. This seems a piece of vandalism without precedent in civilized countries. But the world not yet heard from the French

archæologists.

The removal of the books of the Congressional Library from their old home in the Capitol to their beautiful new palace, the new Library Building, has begun. It is expected that the removal will occupy ten weeks at least.

Manyhile the library at the Capitol has to be closed to all, as the clerks has to be closed to all, as the clerks will be too busy to attend to the wants

No wonder that they say France is No wonder that they say France is becoming commercial. President Faure is spending his vacation at his villa in Havre. It is in a hollow, and is overlooked by the Boulevard Maritime. Enterprising fakirs have erected telescopes on the boulevard, and crowds are paying half a franc apiece to see the President walking in his garden or seated in his chair on the

It seems that in Hungary the municipal authorities take a paternal interest in the pocketbooks of the voters. An operatic manager who re-cently demanded the required percentily demanded the required permission of the city fathers to give a series of performances at Keeskemet was answered by a firm refusal. The burgomasters and the members of the municipality gave as their reason that the population has been very much tried by the long winter and that the hard times would not justify them in having an operatic season. having an operatic seas

It is said that there are no remaining public lands in any of the States of New England, in New York, Pennsylvania, New Jersey, Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Tennessee, Kentucky or Texas. There are 25,000,000 acres of public land in Ohio, 37,000,000 in Florida, 32,000,-Ohio, 37,000,000 in Florida, 32,000,-000 in Alabama, 28,000,000 in Louis-iana, 36,000,000 in Michigan and 34,-000,000 in Wisconsin. The other public lands are in the Western States and the Territories.

The waterfalls of Sweden are about to be put to work at smelting iron.
The idea is that of M. de Laval, the inventor of the steam turbine, and with him in the undertaking is M. with him in the undertaking is M. Nobel, of dynamite fame. Bog turf, which is required also, is abundant in the neighborhood of the iron works at Bofors, which have been purchased. The smelting in the new process is to be done by electricity generated by the water-power, and M. de Laval expects to manufacture rails, which relates the manufacture rails, which relates the manufacture rails which rails are related to the manufacture rails which rails are related to the related rails and related rails are related to the related to the rails are related to the rails are related to the rails are related to the related to the related to the rails are related to the related

the water-power, and M. de Laval expects to manufacture rails, ship plates and rolled joists at a fourth of the present cost, and to transform the Swedish wilds about his works into an important center of industry.

"People who are crazy with impatience to get to the Alaskan gold fields should possess their souls in patience," and Colonel R. B. Latham, a Californian "forty-niner." "There is no need to worry about getting to the Klondike in hot haste. If one fails to get there this season he can go next year. There will be good diggings in those valleys of the Yukon and its tributaries for the next ten years, and the prospectors who go in later need not fear that all the gold will be taken out before they get there. By the way, I remember that a celebrated Austrian scientist gravely asserted a few years ago that the world's gold supply had about given out, and that no fresh discoveries of the yellow metal of any consequence need be looked for. Since that prediction the rich fields of South Africa have been developed, and now comes the great strike in Alaska, that bids fair to exceed in magnitude all gold booms in the history of the world."

What has become of the old-fashioned boy whose face was a mass of freekles? The boys of to-day don't use looked for magnitude all gold booms in the history of the world."

POPULAR SCIENCE.

A Parisian is said to have constructed a machine which makes it possible to split a human hair into thirty-six parts.

arts.
Specimens of firedamp have been cently collected from many sources, I containing nitrogen, with apparally about the same proportion of gon as is obtained from the nitrogen

all containing nitrogen, with apparently about the same proportion of argon as is obtained from the nitrogen of the air.

The Manhattan Elevated, the Brooklyn Elevated and the Elevated Railway of New York are seriously considering the substitution of electric motors for steam power. They are all working together with the view to getting the change in motive powder made at the smallest cost.

Dr. F. E. Yoakum, of Los Angeles, Cal., believes he has made a discovery through his X-ray investigations which will revolutionize the present method of mining valuable ores. He says that it is now possible to detect by the use of the X-ray gold and other ores in the rocks in which they may be hidden.

A reason for doubting that oxygen is an element has been given to the London Royal Society by Mr. E. C. C. Baly. Under the silent electric discharge, the gas that goes to the cathode with long sparks is less dense than unelectrified oxygen, while in the case of short sparks it is more dense.

Next to that of the British Museum, the largest collection of birds' eggs is that belonging to a lawyer named Nehr Korn in Braunschweig, Germany. He intends soon to issue a catalogue of his collection, with fifty colored plates, depicting the more valuable specimens, of many of which no other sample is known to exist.

The four great tunnels of the world are cited as an illustration of the marked diminution of the cost of engineering works during the last quarter of a century. The Hoosac tunnel, the oldest of the four, cost \$500 a foot; the Mont Cenis, the next in date, \$475; the \$K. Gothard, \$365, and the Ariberg, the most recent, only \$200.

The "penny-in-the-slot" principle has been applied in France to a machine for producing X rays. The apparatus contains the stored electricity and a Crookes tube in a small box, separated from which by a little space is the fluorescent screen. A suitable coin enables any person to view his bones and other marvels for a certain time.

How Placer Mines Are Worked.

How Placer Mines Are Worked.

Doubtless many people will go to the Klondike region who know little or nothing of mining. Fortunately for these the Klondike mines are placers—the most easily worked mines of any, and requiring the least expenditure. The methods of washing out placer gold are known as "sluicing" and "panning." The former is employed where the yield is of ordinary value, while all old-timers prefer the latter in rich ground.

In sluicing the dirt is shoveled into the sluice box, through which water is rapidly running. The box is of varying length, and has holes bored in the bottom. These holes are filled with quicksilver; the dirt, gravel and small bowlders are washed over the quicksilver, but the gold adheres to it. When a miner "cleans up," sometimes every night, sometimes once a week, the water is turned off and the sluice box boles are cleaned out.

In panning, the dirt is put into a gold pan—about the size of a small dish pan. This pan is made of copper. The miner squats beside a stream, dips water into the pan, oscillates it with a motion that can only be acquired by experience, and gradually sloughs out the water, dirt, gravel, etc., retaining the gold in the pan. Gold being the heaviest substance it is of course the easiest to retain in the pan. If it be in the shape of nuggets, the miner picks them out of the pan with his fingers; if the gold be in small particles, fine gold or "flour" gold, he dries the pan in the sun and carefully brushes the deposit into a piece of buckshin or other material.

A pick, a shovel, a gold pan, water, and, of course, some gold are the only essentials of placer mining.

The gold taken out of the Klondike placers, so far, has been coarse, or in good-sized nuggets.

Machinery is only necessary in placer mining where large areas of ground that yields only moderately are worked, and then only for hydrallie power in washing down the dirt.

KLONDIKE.

Over the mountains and far away,
In the regions of ice and snow,
Many a pligrim is trudging to-day
With a heart full of hope and sho
"Yo-ho

Over the mountains, beyond the plains,
Where the great river winds to the sea, Is
Many a pioneer jingles his gains,
And sings in a frenzied cestasy—
In Klondike!

Thousands and thousands of miles away, In the land of the polar bear, In the land of the polar bear,
Many a man is digging to-day,
Only to find that there's nothing there—
In Klondike!

Many a husband, many a son,
And many a father, too;
Many a man who is dear to some one
Is climbing the glaciers, leading through
To Klondike!

Many a mother and many a wife And many a one that is dear, Is dreaming to-day of a happier life And hopefully-waiting to hear From Klondike!

And thousands and thousands of go

And thousands and thousands hope,
hope,
And many a dream that is fair
Are destined to die on the frozen slopes
And find their graves out there
In Klondike
—Cleveland Lender.

## AT SEAFOAM LODGE.

By HELEN FORREST GRAVES

HERE must be no other boarders taken," said Mr. McCorkindale. "I stipulate for that." "Oh, there will be none!" said Mr. McCorkindale. "I stipulate for that." "Oh, there will be none!" said Mr. McCorkindale. "I know Jess weet-clover very well—a most respectable widow, in reduced circumstances—and I know all about Seafoam Lodge, a delightful place, on the edge of the ocean, where a man can't help being healthy."
"Very well," said Mr. McCorkindale. "Let her know that I consider the thing a bargain. I will send my trunks on Monday of next week."
Mr. McCorkindale had been summering at the Adirondacks, and had found that mountain breezes, black flies and dried pine-needles didn't agree with him. He was now resolved to try the seaside. And he went home, well pleased with the bargain he had made.

Now, Mr. Dewey was in a partner-

to try the seaside. And he went home well pleased with the bargain he had made.

Now, Mr. Dewey was in a partner-ship—Dewey & Salter—and so neatly dovetailed together were the arrangements of the firm, that Mr. Salter, who dined at half-past twelve o'clock, came to 'keep office' exactly at the hour in which Mr. Dewey, who dined at half-past one, took up his hat and cane to depart. And scarcely had Mr. Salter lighted his eigar, and settled his chair back at exactly the right angle of the wall, than in came Miss Mattie Milfoil, a blooming young old-maid, who gave lessons in swimming at the Aqua Pura Academy.

"I want board at the seaside for a month," said she. "At a place, please, where there are no other boarders. Prices must be moderate, and surf-bathing is a necessity."

"Ah," said Mr. Salter, bringing his chair down on its four legs at once, 'the very place! Mrs. Sweetclover, a client of ours, has taken Seafoam Lodge, on the New Jersey coast, and has a clean, light, airy room to let, with good board, no mosquitoes—"

"Yes, I know," said Miss Milfoil.

"Just let me look at her references."

"The references proved satisfactory, Miss Milfoil struck a bargain at once.

"Let Mrs. Sweetclover expect me on Monday," she said; and Mr. Salter pocketed his commission with inward glee.

"Anything doing?" Mr. Dewey

glee.

"Anything doing?" Mr. Dewey asked, when he came back from dinner, with a pleasant oleaginous flavor of roast pork and applesauce about him.

him.

"I've let Mrs. Sweetclover's room for her," said Salter.

"Hello!" cried Dewey; "I let it, this morning, to old McCorkindale!"

"And I've just disposed of itto Miss Milfoil," sputtered Salter. "Why the deuce didn't you enter it on the books?"

"A man can't think of everything."

books?"

"A man can't think of everything," said Mr. Dewey; "and I was going to enter it when I came back."

"But what are we to do now?" said Salter.

Salter.

"Nothing," said Dewey. "Ten to one, one of the parties won't keep the contract. We're not to blame, that I

contract. We're not to blame, that I can see."

And Mr. Dewey, a philosopher after his way, arranged his bulletin-board anew, and sat down, a human spider, to await the coming of any flies who might be disposed for business.

Mrs. Sweetclover, in the meantime, had swept and garnished Seafoam Lodge, until it was fresher than a cowslip and sweeter than roses.

She had decorated her up-stairs room with China matting, fresh muslin curtains, and dimity covers to the bureau and dressing-table.

"I do hope I shall be able to let it!" said Mrs. Sweetclover, with a sigh. "But there are so many seaside lodgings this year that—Dear me! here comes a gentleman and a valies up the beach-road, and as true as I live, he's making straight for my house!"

"Have my trunks arrived?" said the gentleman—"name of McCorkindale."

"Sir!" said Mrs. Sweetclover.

Have in the gentleman—"name of McCorkindale."

"I engaged the room through Dewey & Salter," said Mr. McCorkindale, "last week."

"I's the first I've heard of it," said Mrs. Sweetclover, all in a flurry. But you're kindly welcome, sir, and the room is quite ready, if you'll be so good as to step up stairs."

"Humph! humph! said Mr. McCorkindale, gazing around him with the eye of an elderly eagle. "Year gelean—tolerably airy—superb view from the windows. Upon my word I like the look of things."

"Do you think the apartment will suit?" said the widow, timidly.

"Of course it will suit?" said Mr. McCrkindale. "Here is a month's board in advance—ten dollars a week, the agent said. You may serve dinner at one o'clock, Blue-fish, roast"

clams, lobster-salad—any sort of seafood you may happen to have. I don't teat desserts. And now I'm going out to walk on the seashore."

Mrs. Sweetclover looked after him with eyes of rapture.

"The boarder of all others that I would have preferred," said she. "I am in luck! I thought yesterday, when I saw the new moon over my right shoulder, that something fortunate was going to happen."

But Mrs. Sweetclover had not stuffed the blue-fish for baking, when a light, firm foot-step crossed the threshold, and Miss Milfoil stood before her, in a dark-blue serge dress, and a sailor hat of black straw, while across her shapely shoulders was slung a flat black satchel, travelerwise.

"Mrs. Sweetclover, I suppose?"

se.
"Mrs. Sweetclover, I suppose?"

wise.

"Mrs. Sweetclover, I suppose?" said she.

The wâlow courtesied an affirmative.
"I am Mattie Milfoil," said the lady.
"I rented your room, last week, of Dewey & Salter."
"Dear me!" thought the widow.
"Am I dreaming?"
"I like the situation very much," continued Miss Milfoil, looking at the curling edges of foam that crept up the beach at the left, and then at a murmuring grove of maple trees at the north. "I shall probably remain here until Christmas, if I am suited!"
"But the room is let already!" faltered Mrs. Sweetclover, at last recovering her voice.

"Taken already!" repeated Miss Milfoil. "Sut that is impossible. I have taken it."
"There's some mistake at the Boarding Agency," said Mrs. Sweetclover, almost ready to cry. "It's been let twice; and I never knew of it until this moment. Oh, dear! oh, dear! It never rains but it/pours!"
"But what am I to de?" said Miss Milfoil.
Mrs. Sweetclover's faded eyes light-

"But what am/Î to de?" said Miss Milfoil.

Mrs. Sweetclover's faded eyes light-ed up with a faint gleam of hope.
"Tree only the eligible sapartment on the second floor," said she; "but if you con't mind the garret, there's a nice, airy room finished off there, with two dormer windows overlooking the ocean—""

two dormer windows overlooking the ocean—"
"""" "I'll look at it," said Miss Milfoil. She looked at it, and she liked it, and she straightway sent to the village for her trunks, unpacked her books, her work-basket, her writing-desk and her portable easel, arranged some seawed over the mantle and made herself at home.

Mr. McCorkindale, going upstairs from the dinner table that very day, heard a sweet, clear voice, singing the refrain of some popular ballad, from the upper story.
"Eh!" said Mr. McCorkindale. "Is that your daughter?"

"Eh!" said Mr. McCorkindale. "Is that your daughter?"
"It's my lady boarder, sir," said Mrs. (Sweetclover. "Look here," said Mr. McCorkin-dale, stopping short—"this won't go down!"

dale, stopping short—"this won't go down!"

"What won't go down, sir?" said the bewildered landlady.
"No other boarders taken, you know," said Mr. Corkindale. "That was my express stiplation."

"I'm very sorry, sir," said Mrs. Sweetclover, "but—"

"And I'm not going to be trifled with!" said Mr. Corkindale. "Either she or I must go!"

"Couldn't it be managed, sir?" said the landlady, half terrified out of her senses.

senses.

"No, it couldn't" said Mr. McCork indale.

indale.
At this moment, however, Miss Milfoil herself made her appearance on the scene, tripping down the stairs in a quiet, determined sort of way, and facing the indignant elderly gentleman as he stood there.
"What's the matter?" said Miss Milfoil.

with the matter," said Mr. McCorkindale, "is simply this. I have engaged my board here, on the express understanding that I am to be the only boarder."

boarder."
"I see," said Miss Milfoil. "And I am in the way."
Mr. McCorkindale was ominously

Mr. McCorkindane with an engag-silent. "But," said Mattie, with an engag-ing smile, "if I promise to be very quiet, and to refrain from annoying you in any manner whatsoever—" "It would make no difference," said Mr. McCorkindale. "I object to

very fond of her pretty little room already.

"At all events," said Mattie to herself, "I will get up before daylight tomorrow morning, and have one good swim in the surf."

She supposed, when she came out the next day, in her dark-blue bathingsuit and the coarse straw hat tied down over her eyes, that she would have the coast clear. But she was paddling, like a giant purpoise, in a suit of searlet and gray, among the waves. He had always wanted to learn to swim, and here was a most eligible opportunity.

suit of scarlet and gray, among the waves. He had always wanted to learn to swim, and here was a most eligible opportunity.

"He don't see me," said Mattie, to herself, as she rept cautiously down in the shadow of the rocks. "If he did, I suppose he would issue a proclamation that the whole seashore belonged to him. But I hope there is room enough for us both in the Atlantic Ocean."

room enough for us boan in the tie Ocean."

And Miss Milfoil struck out scientifically, gliding through the waves like a new variety of fish, with darkblue scales, and straightway forgot all about the troublesome old bach-

all about the troublesome old bachelor.

"It's very strange," said Mr. Mc-Corkindale, revolving around and around, like a steam paddle-wheel,
"A log floats, but I can't seem to manage it without the help of my arms and legs. I've always understood that swimming was a very easy business, but—Pouf-ah-h-whust—sh—sh! Help! help! Pouf-f-f! I'm drowning! The undertow is carrying me out, and I can't help myself! Whush-sh! Oh! aht help! he-e-e-lp!" And Mr. McCorkindale's voice lost itself in a bubbling cry, while the deaf old fisherman upon the shore went on whistling and mending his net, and the solitary individual, who was picking up shells with his back toward the surf, never dreamed but that the stout gentleman was diving for his own amusement.

But Mattie Milfeil, cleaving her

musement.
But Mattie Milfoil, cleaving her
ay steadily through the waves, pereived in a moment that something

ceived in a moment was wrong.

Mrs. Sweetclover fainted away when they laid the boarder on a pile of blankets on her kitchen floor.

She was one of those nervous ladies who always faint away at the least provocation.

Bst Mattie had all her senses about er; and, thanks to her courage and resence of mind, Mr. McCorkindale's 'fe was saved.

life was saved.

"What is that rattling on the stairs?" he feebly inquired, as he sat up, the next day, in an easy-chair, with a curious sensation, as if a gigantic bumble-bee were buzzing in his head, and cataracts pouring through his ears.

"It's Miss Milfoil's trunk going away," said Mrs. Sweetclover, with a sniff of regret.

"Tell her not to go," said Mr. McCorkindale.

"Sir!" said Mrs. Sweetclover.

"Tell her not to go," said Mr. Mc-Corkindale.
"Sir!" said Mrs. Sweetclover.
"Do you think I'm going to turn the woman who saved my life out of loors?" puffed Mr. McCorkindale.
"But I thought you objected to women." said Mattie's cheerful voice outside the door.
"I've changed my mind," said Mr. McCorkindale, with a fluttering semblance of a smile. "A man is never too old to learn. And I mean to learn to swim next week, if you will teach ne."

He did learn. Miss Milfoil taught him. And the old bachelor and the old maid spent their month at the seaside, to use Mrs. Sweetclover's expression, "as quiet as two lambs."

"I declare," Mr. McCorkindale pensively observed, on the afternoon before his term was up, "I shall be very lonely after I leave here!"

"You'll be going back to the city, you know," cheerfully observed Miss Milfoil.

you know," cheerfully observed Miss Milfoil.
"But I shall miss you!" said the bachelor.

chelor.
"Nonsense!" said Mattie.
"I wonder if you will miss me?"
id Mr. McCorkindale.
"Well—a little," owned Miss Mil-

oil.
"Did you never think of marrying, fattie?" abruptly demanded Mr. Me-

"Very often," she answered, calmly. "And how is it that you never have

Mattie laughed. Mattie laughed.
"Because I never found the right one," she said.
"Just my reason, exactly!" said Mr. McCorkindale. "But I think I have found her at last—and it's you, Mattie!"

have found her at last—and it's you, Mattie!".
"Is it?" said Miss Milfoil, coloring

and smiling.

"Don't you think, if you were to try me, I might suit you—as a husband?" he asked, persuasively.

"I don't know," whispered Mattie.
"Try me!" said Mr. McCorkindale, taking her hand in his; and she did not draw it away.

How brief a time will sometimes suffice to turn the current of a life-time! That month at Seafoan Lodge made all the difference in the world to Mr. and Mrs. McCorkindale.—Saturday Night.

day Night.

A cyclist of 150 pounds weight and moving at the rate of ten feet per second (about seven miles an hour) has a momentum of 1500 pounds, without counting the weight of his wheel. A collision between two 150-pound riders, wheeling at the moderate pace of seven miles an hour, would result in a smash-up with a force of 3000 pounds!

—Philadelphia Inquirer. Mr. McCorkindale. "I object to young women."

"But," cried indignant Mattie, "suppose I were to object to middle-aged gentlemen on no better pretext?"

"You see, I am an old bachelor."

"You see, I am an old bachelor."

"And I am an old maid!" pleaded Mattie.

"It makes no difference—no difference at all!" said Mr. McCorkindale.

"I am sorry to disappoint you, Mrs. Sweetclover, but——"

"Stop!" said Mattie, resolutely.

"Spin has more sunshine than any other country in Europe,

"Mrs. Sweetclover, if either of your boarders leaves you, it is I. I came last, and I occupy the least remunerative room. I will take my departure on the noon-train to-morrow."

And Mattie went back to her room and cried a little; for she had become very fond of her pretty little room already.

Said to Be the Strongest War Implement Ever Made-Will Be Used For Coast Defense: Allogether - Will Weigh Said to Be the Strongest War Implement Ever Made-Will Be Used For Coast Defenses : Altogether - Will Weigh Thirty Tons-Terrific Striking Capacity.

Defenses: Altogether—Will Weigh Thirty Tons—Terrific Striking Capacity. Uncle Sam, says a New York letter in the Detroit Free Press, is building a new 10-inch wire gun of a brand new pattern to astonish the world. When Uncle Sam wants to do a thing he generally does it, and consequently all the governments on the surface of the globe watch his movements with no small degree of interest. Never before in the history of the mauufacture of war implements has the world witnessed a flercer struggle for superiority between gun and armor plate in every country of the globe than at the present time. Governments and private concerns alike take part in this race at breakneck speed. At this time of the race, however, no one can safely predict which of the two, gun or armor, will be the victor. As far as the navy is concerned the odds are slightly in favor of the guns, for it seems as if the thickness of armor for men-of-war has been nearly reached. Congress, taking this fact into consideration, made an appropriation last year for the construction of a 10-inch wire gun according to a new system invented by John Hamilton Brown, an American. This gun is now being built at the plant of the Reading Iron Company, by the inventor, under the supervision of one or two inspectors from the Ordnance Department of the United States Army.

or two inspectors from the Ordnanes Department of the United States Army.

Nearly every power of Europe has tried its hand at wire wound guns before and since that period. It now appears that only England and Russia made any headway, while France for the time being dropped the matter entirely, confining herself to keeping watch over the achievements of other governments. At present England is doing fairly well, but she will be left far behind if the new Brown ten-inch wire gun half way fulfills the expectations of government and inventor.

The gun will weigh thirty tons and and is expected to hurl a 600-pound shell with a muzzle velocity of 2988 feet per second. Such a velocity would give the projectile, if the shell weighs 600 pounds instead of the regulation weight of 680, a striking capacity of 38,410 foot-tons. In other words, the striking capacity per ton of weight of gun would be 1280 foot-tons at the muzzle—something anequalled in gun sonstruction in any sountry.

This new 10-inch gun is and only

country.

This new 10-inch gun is and only can be intended for coast defense. Its great length, thirty-seven and one-half-feet, makes it at once unavailable for tise in the navy. The great length may also cause fortification engineers trouble with regard to construction of parapets when the gun is mounted on disappearing carriages in forts, as it must be.

The core of this new gun will consist of ninety longitudinal bars (segments) of approximately a little less than five-eighths of an inch in hight at the breach and then tapering down to the muzzle to one and one-fifth of an inch in hight. The length of the segments will be in the neighborhood of thirty-seven feet.

The steel in the segments of the new gun will have a tensile strength of 120,000 pounds to the square inch. The clastic limit will be 70,000 pounds per square inch, and the clongation from twenty to twenty-four per cent. There is no room for doubt that a bar of steel 100 feet long which can be stretched to a length of 124 feet before rupture takes place must contain a metal of excellent quality.

After the segments have been assembled and the breech and muzzle nut screwed on to them, thus forming the core of the gun, the winding of the wire round and round the core begins. The wire used in the new gun has an area of 1.49 of an inch, each side measuring 1.7 of an inch. Asthe wire is to be wound round the core under a pressure of about 98,000 pounds per square inch, and must retain an equal margin of strength in order to permit the core of the gun to expand safely in the firing and contract after the shot, it becomes at once apparent that the wire must have a very great elastic limit.

The weight of the seventy-five miles of wire uniformly wound.

The winding, indeed, of each inch of these seventy-five miles of wire uniformly gunded.

The total cost of the new gun is estimated at \$30,000.

estimated at \$30,000.

The Kaiser and Nansen.
When Kridtjof Nansen passed the day with Emperor William, the Emperor introduced his children to his guest in a characteristic manner. After dinner the young Princes were called. They filed in and stood "at attention" in military style. "Shake hands with this gentleman," said the Emperor. "Look well at him. Some day you will be able to understand what his work is, and then you will be glad to be able to say you have met him."

Mrs. Gertie Bemack Scholtman is dead in Jersey City, N. J., in her 101st year. She was born in Prussia. She saw Napoleon's march through Prus-sia, and waved a red handherchief at the great emperor.

SODA WELLS.

ment of a New and Imp Industry in Wyoming.

Nyoming promises to come forward with a new and important industry. A company of Chicago capitalists recently has purchased the soda wells at Green River and proposes to put in machinery and to operate the wells on a big scale. The new company has been incorporated under the laws of Wyoming and is prepared to develop the property immediately. The offices of the company will be in Chicago and in Green River, John F. Waters, of Chicago, is President and J. V. Waters, of Chicago, is Secretary of the company.

The soda wells of Green River, were

in Green River, John F. Waters, of Chicago, is President and J. V. Waters, of Chicago, is President and J. V. Waters, of Chicago, is Secretary of the company,

The soda wells of Green River were accidently discovered in 1895. E. J.

Morris, Mayor of Green River, formed a company known as the Green River Fuel and Oil Company, for the purpose of prospecting for oil on land adjacent to the town of Green River. A steam drill was purchased and set to work. At a depth of 120 feet the well digger reported that he had struck a bed of soap. On investigation it was found that a white substance very much resembling soapsuds boiled out of the well when the drill was in operation. But as it was oil and not soap that was wanted the digging was continued until the well was 600 feet deep. Efforts to find oil were then considered fattile and the work was abandoned.

During the following winter, when the ground was frozen, water cozed over the top of the well, leaving a white deposit about four inches thick over the surface of the ground. Through sheer curiosity a young chemist made an analysis of this deposit and found to his amazement that it was carbonnate of soda, chemically pure. Older and more experienced chemists said when the matter was reported to them that it could hot be. They said that carbonnate of soda had never been produced by nature chemically pure, and that it could be made only from salt brine after ten consecutive treatments.

But samples of the water from the well were seen to chessits, Selt

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But samples of the water from the all were sent to chemists in Salt But samples of the water from the well were sent to chemists in Salt Lake City, Denver, Washington, Cheyenne and elsewhere, and in every instance the analysis 'showed that the water carried over twenty-three per cent. of soda crystals. A complete examination was made of the soda well and its products by Professor Wilbur C. Knight, of the Wyoming State University. He reported that the water contained 464 pounds of sal soda to the ton.

versity. He reported that the water contained 464 pounds of sal soda to the ton.

John F. Waters, a Chicago lawyer, who was visiting in the West last year, became interested in the soda well and secured an option on forty acres of the land for ninety days, with a privilege of sinking wells. Two wells were sunk under his direction to the depth of 255 feet each and soda water was reached in each well at a depth of 120 feet. These wells were about 100 yards from the banks of the Green River and were cased so that surface and river water could not flow into them.

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River and were cased so that surface and river water could not flow into them.

During December, 1896, a steam pump with a capacity of 60,000 gallons in twenty-four hours was kept constantly working in the wells, with the result that the water at all times ran from twenty-three to twenty-five percent. in pure sal soda. Constant pumping failed to reduce the water in the wells, which stood uniformly at ten feet from the surface. Two other wells have been sunk and thoroughly tested by pumping with the same result, and it is now considered that the soda deposit extends under the whole valley.

The theory of the many geologists who have examined the ground is that for a depth of 300 feet from the surface the earth is filled with soda and that the water in percolating through the earth takes up the soda. The ground thus far prospected lies on a lableland about ten feet above the surface of the Green River and extends oorth half a mile to the base of the mountains. The mountains them the hand in on one side and Green River and Bitter Creek form the other two sides of the triangle.

The company owning the land will out in a plant costing \$50,000 and having a capacity of twenty-five tons of saustic soda per day. As the product sells in Chicago at an average of \$40 per ton Green River expects to reap immense benefit from the new industry.—Chicago Record.

How Lightning Kills.

Last Saturday afternoon Will Pough (colored) was struck by lightning and instantly killed while at work on Mr. E. M. Tharpe's plantation. The man was plowing cotton when the bolt struck him. The horse he was plowing with was knocked down but not seriously hurt. Pough's straw hat was torn up, but there were no marks on his body. He was very limp, however, and it seemed that every bone in his body had been unjointed. A piece of the singletree was knocked off, but there was no other damage to the plow stock. Pough's wife was standing about thirty yards away, and she was knocked down and considerably stunned by shock. When she got up her husband and the horse were both down. There were evidences that the horse had stumbled along about fifteen feet before he fell and carried the man with him,—Marion County (Ga.) Patriot.

with him.—Marion County (Ga.) Patriot.

The Sumac Industry.

Sicily is the great producer of this commodity, used so largely in leather manufacture. Last year the one port of Palermo exported 446,000 tons, worth \$2,120,000, or about the same amount as the previous year. As shown in a special article in our columns some months ago, the gathering of wild sumae in our own country is not very profitable, trade preferring foreign on account of quality and cheapness.—American Agriculturist.