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NO FRIENDLY LIGHTHOUSE.

ST BEZERIAH BUTTERWORTH.

the reference to Watting's Island, the San Sal vador of Columbus.] The fervid splendors of the sky

waves have rolles Along the waves have folled, And abon Night accords here throne On stanting steps of gold. The first waves grow cold and dark, The trade wind rises free, And far the Lighthouse hits the star O ar the Eshonia Sea.

No friendly lighthouse warned the sail. No h cape bell ring clear, o pilot cont from Carlibbe The lonely ships drew near, hen be, the Prophet Mariner, When be, the Prophet Marin By faith the night sea trial; But only Hesper if her star Upon the beights of God.

On sliver wings the petrols sleep, Their feet having touched the land; Afar Nord Hifs beer cross of stars As with a jewelled hand. The Filot knows each coral bar, And cataly we repose; combined only saw the Star-No friendly lighthouse rose.

obest.

evening air.

a trap.

Yel mariner, 0 mariner, Of the sargasso Sea. Point hundred years have left the way No observe than to thee! The mare light shore clear and far When thou the new sea trod; Path needed but a single star Upon the helpits of Goa.

O might celestial, cooling calues, 3 nd magic buch of steep 1 We sink to test and fold our arms Above the devicen if deep, we know the Pilot, gray and wise, The lighthouse lange trusts he; friendly bearon met lis eyes (hose krei first broke the sea. on the Hahama Sea. March, 1932.

NELLA, THE GIPSIES' GIRL

Translated by Isabel Smithson from the French of Pierre Duo.]

Up the steep road a dilapidated covered wagon was slowly toiling. drawn by a long stumbling horse. The latter was assisted by a large, thin dog, which, fastened under the wagon, walked with its head down and it. tongue folling, but with its nuils clutching the ground, and pulling it with all its might.

The road ran past a wide expanse of leath, on which was seen a series of round holes in the grass, showing that so spot could be more favorable for snaring rabbits. The air was heavy, the sky dapoled with light, motionless louds, and in another hour the sun would be setting.

At the little window of the van, with its dirty green blinds, hung a bird cage in which a jay, without a tail, was hop-ping about, and near it sat Antonio alencie, the proprietor of the vehicle smoking his pipe comfortably and gaz-ing at the landscape as he rode along. He was a huge, muscular fellow whose stensible occupation was the exhibition of juggling feats in market places, but as a general rule he did nothing at at all; at least, nothing that he would wn to doing.

While he sat at his case, with a broad sash of scarlet flannel around his waist,

totoes, carrots and turnips," said the master. "You have seen something?" asked the lawn she began walking slowly and seeking for something on the ground, All about her the glittering dewdrops THE NICARAGUA CANAL formis would quadruple in two years from the opening of the canal for busi

his wife, and he answered slowly: "Stews, fries and roasts! They are shining like diamonds on the spiders' running about just now, but Nella webs. Three or four times the girl knows how to stop them. 1 am so big stooped to pick a mushroom which she that 1 am sure to be seen, and the examined carefully and put into her

keepers would know me a mile off. Do pocket. Then she retarned to the you hear girl? As soon as it gets dark, camp, and lying down near the fire you are to creep under the brush- beside Tambour, began stroking his wood like a snake and set the snares. rough hair lovingly. Suddenly she sat Take some of your strongest brass up and raised the lid of the kettle in traps with you, for the hares are nearly which the morning meal was cooking, as big as Tambor.' and for an instant she was hidden by

"All right," said the girl in reply. the cloud of steam which arose. Then she got into the van and took Three hours later a party of police tean some poaching instruments out of a officers rapped at the door of the gipsywhich was furnished with a van, which remained tightly closed. touble bottom for greater security. "If they are asleep, I will manage to The master, meanwhile, stretched himself at full length upon the soft leaping from his horse and pulling the grass; his wife sat near him nursing door open roughly. He had hardly her child; Tambour, the dog, looked entered when he started back in terror at the sounkettle with hungry eyes, saying, and a straight, blaish column of smoke

"They are dead, all dead?" rose from the burning cones in the still It was true; Antonio Valencia, his wife, the baby, and the girl Nella were

At this hour Colonel Sainty's brother corpses. officers were enjoying themselves at The antopsy, and the examination of the club or on the boulevardes, while the remains of the meal found in the he, the "old wild bear," whose great- iron kettle, proved that the family had est desire was to forget his former been killed by eating poisonous mushpleasures, roamed solitary and silent rooms, and in the pocket of the light-through the woods, smoking a cigar haired girl two of these same mushand thinking of nothing. Suddenly rooms were discovered. he stopped and listened, for an un-| The Baron de Sainty adopted Tam-

accustommed noise reached his ears, bour, who is now one of his most He knew the woods and all their valued watch-dogs, and in his study sounds so well that a mistake was im- hangs the dagger bequeathed to him osible; some one was certainly hid- by the young Bohemian. It is a curiig in the bushes near him. Swiftly, ous and valuable weapon of the sixbut as noiselessly as a Red Indian, he teenth century, with a ribbed blade strode around a clump of brushwood and an ivory handle which bears the and discovered the girl-poacher setting inscription, Tandem bona causa tri-

omphant. "What are you doing here?" he reared, and the child started up terri-

HIGH-PRICED ARMCHAIRS. fied at sight of the stern face with long monstache. She would have fled but

his firm hand was on her shoulder, Forty thousand pounds was the cost of the armchair presented by the city "Gathering nuts and mushrooms, of Augsburg to the Emperor Rudol phus II. of Germany about the year "Ah, indeed! At this hour, and with 1575. The chair which is of steel, these tools?" he said. "But tell me, took the artist about thirty years to have your mushrooms rabbit's cars make. The large compartment at

sented to Gustavus Vasa by the city

of Lubeck was sold in 1825 to the

Swedish chamberlain for 58,000 fter-

ins, or upward of £4,800. Some time

for books. The Queen is said to be

fonder of the Princess Victoria thar

Courtesy.

A charming little anecdote of Mr.

Browning's courtesy is told in Temple

Bar. On one ocrasion Mr. Brown-

ing's son had hired a room in a neigh

boring house in which to exhibit his

pictures, and during the temporary

absence of the artist Mr. Browning

was doing the honors to a roomful o

fashionable friends. He was stand

ing near the door when an unan-

nounced visitor made her appearance.

Mr. Browning immediately shook

hands with her, when she exclaimed:

"Oh, I beg your pardon, but please

air. I'm the cook. Mr. Barret asked

"And I am very glad to see you,

said Mr. Browning, with a ready

courtesy. "Take my arm, and I wil

Hog Cholera.

Poison of Human Exhaiation.

me to come and see his pictures."

show you around."

of any of her other grandchildren.

and do you eatch nuts in traps? Who are you? What is your name?" the back of it represents Nebuchad-"My name is Nella, sir." nezzar asleep; the statue about which he dreamed is standing before him, "Nella? That is no name! Nella what? Nella who? What is your other name? Where do you live?" and just adjoing is a representation of the King on his throne and Daniel "I have no other name, Sir. I have before thim explaining the dream.

no father nor mother, but I came with The chair became the property of he peaple in that wagon by the road." "Ah, you belong in that state chariot We shall see. Well, my girl, Gustavus Brander afterward bought do you? you have been caught in the act of practicing a profession which will lead ou into juil, do you know that? Per- guineas. An ivory armchair prehaps it is not entirely your own fault." "Oh no, Sir!" exclaimed the child tearfully. "Show me the way to your barracks

and so she answered tremblingly:

s fast as you can. You need not be afraid, I am not going to hurt you."

ago a number of chairs formerly owned by celebrated persons and col-Very unwillingly did Netla act as guide for she know that her pay would be a beating, and only too well aware prices: Shakspeare's, £120; Gay's, lected as relics brought the following sash of scarlet flannel around his waist, and his shirt-sleeves rolled up to dis-play the tattooing on his brawny arms, hand. The meeting between the baron Lytton's, £13; Anne Boleyn's, £10 and the gipsy was not an amicable one Charles IL's, £10 Antonio first showed £7; Pope's, £5 10s; Mrs. Browning's his fist, declared that he cared not a £5; Thackeray's, £3 10s. Walter Savrap for the old man and his rabbits. age Landor's, £3 10s; Lord Byron's and signed to Tambour, who showed £2 10s; Sir Walter Raleigh's, £2. A his fangs. But suddenly a large revolv-Birmingham firm has recently made er appeared in the gentleman's hand a beautiful cut crystal chair for an exclaimed flerce Indian rajah. It is composed of crys-"You confounded blackgnard do on think to frighten a Colonel of tal columns and pieces with poilshed Keep back your dog, or facets, and is covered by a crystal ragoo s? else I will begin with him and continue | dome or canopy, which is lighted by with you. three incandescent electric lamps Antonio Valencia's face changed sud-It cost £300. - Tit-Bits. lonly and with the meekness of a lamb Madcap Maude. he exclaimed that he had no intention of giving offence; Down, Tambour, you fool! Surely it was not his fault The little Princess Maude has all of her father's liking for a good time, f his mischievous child had slipped says the Detroit Free Press. She deaway when he was not looking and tried lights in running and riding and to poach on the gentleman's land! rowing a boat, all of which she can Antonio did not know where she had do very well. As yet her attention learned such ways, for he himself to books is the result of the desire on would preter to die of hunger rather her part to be obedient to her moththan touch so much as a squirrel that did not belong to him. Indeed he er's wishes. She is a healthy, rosycheeked, brown-eyed child, and is would sooner die of hunger, and of very fond of the companionship of thirst too! her father. Some one remarked to

REPORT OF THE NATIONAL

CONVENTION COMMITTEE. information as to the Feasibility of the

Canal and Its Commercial and Other Advantages to the United States-Will Cost One Hundred Militon Dollars.

Sure to Be Built.

The committee appointed by the Nienragua fational Canal Convention at its meeting in St Louis, to prspare an addres to the Amerpeople giving information as feasibility of the Nicaragua canal and its commercial and other advantages to the United States, has just wake them!" exclaimed one of the men finished the preparation of such address. The committee is composed of John S. Jones, of Arkansas; ex-Congressman Converse, of Ohio; R. W. Mill-sap, the prominent banker of Mississippi; Capt. J. F. Merry, of Manchester,

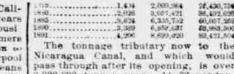
lows: S. H. Hawkins, the railroad pres-ident, of Georgia: Captain Ambrose Snow, President of the New York Board of Trade and Transportation; and ex-Governor John S. Pillsbury, of Minne-

sota. The address is supplementary to the American people rather than the Eng-lish, French or any other nation. It

ness, and fast refrigerator steamers would deliver fruit from California on New York in ten days, to Liverpool fourteen days, and to New Orl in eight days. The mountains of the Pacific coast are rich in lead, copper silver and gold, while the plateaux and

valleys afford a cereal belt with a soll more durable, and more favorable sea out for sceding and haivesting than say part of the world, and the committee thinks the completion of the Nica ragua Canal is on y needed to develop that country to production of gigantic proportions and double the population of the Pacific coast in a few years. Th cotton growing sections of the Gulf States have undergone a depression, and the committee believe that nothing could he of greater immediate advantage than the canal in relieving that depression, and making a market for American cotton in Japan. China and Cores, where already the people are beginning to manufacture cotion goods by machinery Japan imported over 7,000,000 pounds of American cotton in 1891, most of which was shipped from New Orleans to New York and then by rail to Van-

couver and steamship to Japan. At present the coal trade of South resolutions adopted by the St. Louis convention, which pointed out the ad-vantages of the canal and urged its con-America and the Patific coast is mon opolized by the English. The commit struction, ownership and control by the | were opened the Alabama and West Virginia c al would have a decided advan tage over English competitors, not to takes the position that a canal, joining the Atlantic and Pacific Oceans, shou'd be constructed for the most important At the estrance of the Suez Canal last commercial, strategic and patriotic rea-sons, and says that the subject of such a canal is the most vital connected with the welfare, growth and prosperity of give American commerce an advantage the United States. It declares that the only feasible route for such a canal is benefits, the committee thinks great



The tonnage tributary now to the they have scales that are so sensitive to Nicaragua Canal, and which would weight that the smallest strand of hair ass through after its opening, is over plucked from the eyebrow can be accu-000,000 tons a year. At \$2 per ton. te charges made by the Suez Canal, his would be \$12,000,000 in tolls. The the scales, and one's autograph written est of operation and maintenance is in pencil on either piece will cause the placed at less than \$1,030,000, and side with the autograph to go down a side with the autograph to go down a little, and the needle, which indicates of \$11,000,000 per annum. The com-mittee is confident that, within five the divisions of weight, even to the ten millionth part of a pound and less, will years, the income will be over \$20,000,move from its perpendicular. These tine little scales are triumphs of mech-

antsm, and are closed in glass cases, ruestion whether the canal will be built so the wind cannot reach them. The or not. The only question is as to who shall build it, and who shall control it g'ass cases have a sliding door, and as soon as the weight is placed in the balwhen built? It says it has been inances the door slides down. By presformed that European syndicates have sing a button the beams are raised a a'ready made overtures to the canal company, but the committee believes little and the balances are clear and ready for action. the United States cannot afford by carelessness, hesitatiou + r neglect to permit Expert Assayer Warner has a luxurian enterprise of such magnitude and of ant silken moustache, and consented to such far reaching advantage to pass sacrifice just one strand for the scales, under the control of any foreign com-pany. "It therefore behooves us," the address concludes, "as a nation conbut in trying to pull it out by the roots off near the end, leaving a it broke

piece of hair not one-tenth of an inch scious of the power we wield and of the in length. Seizing it with a pair of greater influence we may exect upon pincers Mr. Wilder dropped it into the the destinies of this continent, to per-form the duties without delay which we little weighing pan. Shutting the little glass door, the sensitive perpendicdeny other nations the privilege of asular needle swaved and indicated that suming, and to adopt now the best the hair, or moustache strand, weighed means of securing the early completion of this work, whose advantage we are one-half of a milligramme. A milligramme is the thirty-one thousandth part of an ounce, therefore

weight.

sunce Troy.

C

the

tor of this newspaper, he has watched call them beams in the Assay Office.

SCALES. In the Assay Office on Wall street they have scales that are so sensitive to

WONDERFULLY DELICATE

-Canned rabbit is a New Zealand export. rately weighed. Two white pieces paper of equal weight can be placed in - Germany raises 250,000 canaries a

vear. - Perfectly white cats, if they have blue eyes, are nearly all deaf.

Aay.

-The mocking bird hates the color red as much as the bull. -There are 4909 Johnsons in Chicago

NEWS IN BRIFF.

-A cat sees as well by night as by

and only 4200 Smith-. -Cour d'Alene are three French

word , meaning "heart of an awl." - A company which insures c'othing,

fabrics, and fors again t moths has been orgaulzed.

-The rifle was invented by Whitworth in 1 00; the repeating rifle by Sharp, 1848.

-The leaves of the life tree, which is found only in Jama'ca, grow after they have been severed from the plant.

-Horace wrote the first of his 'Odes," on which his fame was to rest through all time, at the early age of twenty-three.

-In Germany married men wear wedding rings, a custom which many writers have advocated in other countrics.

-In Corfu, sheets of paper pass for the moustache strand weighed the money; one sheet buys one quart of sixty-two th usandth part of an onnce rice, or twenty sheets a piece of hemp cloth.

Troy, or nearly one millionth part of a pound. Mr. Wilder, having declared the exact weight of Mr. Warner's -The largest whale ever captured was the prize of a New London (Conn.) piece of monstache, told something about the work of the sensitive little whaler in 1884. It yielded 168 barrels of oil. balances. Whichever way the beam

-Eight nationalities are said to be falls, even if only a pin ; oint, the perpendicular needle sways from its represented in a choir of sixteen little plumb, and, somewhat like a magnetic girls at St. James's Mission, New York needle, registers the division of City. One division is the fortieth

-Neatly worked darns and patches part of a milligramme, and a milli-gramme being the thirty-one thoushave been discovered in the cloth used in swathing some of the Egyptian andth part of an ounce, it can be seen mummles that Mr. Warner's hirsute adornment

-Among the Zulus the mother-inwas rather heavy weight. It was too law cannot face the son-in-law, but small to be picked up by hand, and yet it weighed the computable part of an must hide, or pretend to do so, whenever she sees him.

Before weighing any little trifle like -The first oil well was discovered in house-fly's wing, or a hair from a baby's eyebrow, the glass door is opened and the weigher takes a small brush Wayne County, Kentucky, in 1829, thirty years before the discovery of old 'n Pennsylvania. and carefully dusts away any particle

-The extreme Western boundary of the United States, the island of Altoo is as far west of San Francisco as that city is west of Bangor.

-Charles D. Poung of Denver, Col. has built a perfect miniature locomo t.ve, which is but five feet long and veighs but 235 pounds.

-A woman in Paris recently commitbeams, when not at work, rest. Both ted suicide by applying leeches all of the little weighing pans rest on small blocks, and the crossbeam, by over her body, dying from exhaustion of the capillary system.

clever mechaaism, is permitted to com down from its pivot, so to speak, and repose in neglige style. When the -A shower of frozs came from the clouds during a rain storm in Mexico. button on the outside is pressed, the Mo. A farmer says that over 10,000 beam ascends and lifts the two little living frogs fell on his land,



BIRDS-EVE VIEW OF THE CANAL



eral benefits will accrue to the en tire Mississippi Valley, the lake ports, and the Atlantic coast. Ship building and the shipping interests in New En-gland will receive a new impetus. A new coasting trade will spring up and

American tonnage on the high seas will his opinions are valuable enough to largely increase The committee says that great trans the Forum, in which he says: "Westatlantic powers are looking with coverous eyes toward the Nicaragua ern roads have undergone no improvement in the last twenty years." project and the foreign government-

The committee says it is no longer t

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to pass out of our hands."

STEAM DREDGE AT WORK

villing to share with the world, but

whose control should never be allowed

Road Methods.

No man speaks with more authors-

y on any subject connected with

Western economies than Mr. Howe,

of the Atchison (Kan.) Globe. For

nearly twenty years he has been ed-

and aided in all the enterprises that

made Kapsas what it is, he knows

the conditions of other States, and

e sought for by such magazines as

the dusty road. She was a little woman, hardly thirty years of age, with a dark face, which must have been very pretty once; c'ad in rags, barefooted er hair dishevelled, with a sleeping infant on one arm, she toiled along in perfect silence. About a hundred yards behind came a girl, twelve years of age. She ist a mop of tangled donde hair curling over her head and almost in her eyes; she was barefooted, as light and agile as a wild goat, and ever and anon she would leave the road and scaling the side of the deep ditch, would gather mushrooms and put them nto one of the baskets which hung from her shoulders. The mushrooms picked by Nella could be eaten with is much safety as if they had been se ected by a learned professor of Natural listory. The girl was also an adept in the art of basket making, and her graceful work generally found a ready sale, the proceeds always being suffiient to keep the master, Antonia, in brandy and tobacco.

"Stop!" cried the leader of the little caravan suddenly, "here is a good place to camp, under these oaks. Unarness Isidore, and make a fire, while go and inspect the woods. They ok very promising, and I should like have a rabbit for dinner."

"Look out for the keepers," said his wife. "I always have my eves open."

pied the colossus, getting off the wagon, "I know how to talk to keepraif they interfere with me," and made a significant motion with his enched fist.

He soon found that there was an bundance of game in the woods. llabbits were seen boldly nibbling at the grass-blades, but with cars crect eady to dart back under the brushwood at the least alarm; a pheasant trutted proudly across a elerring and imppeared under the farze; two od over the road ditch after colecting their tithes in a neighboring set-field, and all this within a few ainutes. A large flock of wood-pigeons lighted at the summit of a chump of trees, after prudently describing several circles in the air by way of in Potting the surroundings; turtle doves ing on all sides, especially housing the ends of dead boughs which still caught the fast fading sun-

beams, and the stillness of the forest was radely broken by magpies, which a group harshly like a group d quarrelsome market women. Antonio Valencia, the juggler and

lacher, was not aware that the land te was trespassing upon belonged to he Baron de Sainty, a former Colonel Cavalry, who devoted his days to it, living indeed for nothing else. fe was known in the neighborhood as "the old wild boar," for some secret sorrow carefully coacealed but more difficult to heal than the wounds received in Algeria, the Crimea or Mex-, had made him misanthropical and He was the possessor of robust health in spite of his advanced year-, and every day from sunrice to unset he was out of doors with his un un ler bis arm, roaming about in woods and fields, and along the hores of his lakes, or stopping at a "eper's c thege or a farmhouse to part ke of some game of his own shooting. sometimes the day's exertions and faare were not sufficient to satisfy his moods, and he would spend he night in the open air, wandering done ex opt for his dogs, whose company indeed, he generally preferred to

of man. More than satisfied with his tours of inspection, Antonio, the poncher, re-furned to his camp. Nella had made a fire of broom and pine-cones, placed two pieces of wood to serve as a crane after the fashion of the gipsies, and suspended a little iron kettle just over the flames.

Unless, the devil himself prevents, we shall have something for dinner tomorrow that will taste better than po-

"I shall see that you receive a the Prince on one occasion that he medal," said the colonel dryly. was often seen with this daughter, to "Take that, you good-for-nothing! which he replied: "Oh, yes, Maude aried Antonio slapping the girl's face sharply, "and I will give you some and I are great chums." more pretty soon, to teach you to mind

your father." "You are not my father, and you sent me with the traps," she retorted,

and the baron interfered by forbidding Antonio to strike her again. "I shall attend to your case to-morrow morning," he said as he turned away, "and if you try to escape during

the night you will be arrested, you may be sure of that. Remember, you are not to hurt that poor child." The next day the baron sent a message to the Mayor, and while waiting the arrival of that personage, went out for a strell as usual. Great was his surprise at finding Nella on the very spot where he had first seen her. She was standing up, however, leaning against a tree-trunk and seemed to be reflecting sadly.

"You here again?" he said, and the girl responded:

but I am not poaching this "Yes time. I came here to see you. "What can I do for you, my child? But look, there is blood on your dress -it is covered with drops of blood!"

"He beat me again last night; he dragged me by my hair and kicked me. Look, two of my testh are broken and my lips are cut-1 am black and blue all over.

"I will attend to him, the black-guard!" cried Baron de Sainty in a fury, but the girl added hastily: Den't do any thing, I beg of you

I know how to revenge myself and I can do it, though I am little. My time has come. I cried all night long but versity, now I shall not ery any more."

listener looked at her in silence. Her cholera in hogs, and by a continued pale face showed an unflinchseries of experiments has demonstraing determination, her ink-black eyes ted the possibility of preventing the were glittering fiercely, and her whole disease by inoculation. If the Profesframe was quivering with rage. sor's experiments stand the test of

To what race could she belong? What wild, reckless blood was flowing proof, even in a majority of cases, it in her veins? means a saving of many th usands of "I will protect you, my poor child," dollars to the pork producers of the

said the baron, and her voice softened country as she answered him: "You are the only person who has ever been kind to me. I came here to thank you and to ask you to accept a present from me." She took from in condensing the watery vapor coming from the human lungs, he ob-

her pocket a sort of poulard and hand-ed it to him, saying, "my brother left tained a polsonous liquid capable of producing almost immediate death. it to me and I want to give it to you. The poison is an organic alkali, and It is all poor Nella has to give, and it is very pretty. Keep it as a souvenir

of your kindness, for you will never see me again." She turned away, throwing him larger numbers than ever in the past. kiss as she went, and he looked after are taking a direct and practical way her for a minute, then muttered with a to settle the annexation business. puzaled air:

"What a strange creature! But 1 Among the wealthy classes of Japan must give this dagger back to her at the first opportunity." it is considered undignified to ride a horse going faster than a walk.

As soon as Nella was out of sight of

篇 RAILBOAD THROUGH & LAGOON.

way of Nicaragua, and points out that the conventions of the two great political parties have indorsed the

project. It appears that all the engineers have agreed in expressing a decided preference for the Nicaragua route, because, among other reasons, only 264 miles of the entire distance of 16 g m les from the Atlantic to the Pacific Ocean through Nicaragua will have to be excavated The other 1423 miles consist of Lake Nicaragua, the San Juan River, and de pressions in the surface of the earth. Lake Nicaragua will constitute a harbor sufficient to accommodate the navies and commerce of the world. It is 110 railes long, 60 miles wide, and is 250 feet at its deepest points. Vessels en-tering the canal from the Atlantic Ocean

The young Princess Victoaia, who will sail on a level with the ocean for is the eldest daughter of the Princess 123 miles, at the end of which they will of Wales, is very much like her moth be raised by three locks to the level of er, both in appearance and manner. the lake. They will sail along the San She shows her Scandinavian ancestry Juan River and the lake on the lake level to a point within 35 miles of the Pacific Cosan. Here they will be lowin the rather remarkable combination of black hair and blue eyes. She is a very pretty girl and a very close stued by the locks to the level of the Pacific Cocan. dent, having all of her mother's love

Cost of the Canal.

The committee says the cost, includ ing the poyment of interest during the cleared of timber for twenty miles, and progress of the work, will be less than a railroad twelve miles in length con-\$100,000,200, and the time required for structed and equipped. The biggest the completion of the work is within five dred ing plant in America, that former) The climate of Nicaragua is used at Panama, has been purchased years. healthy, and out of 1,600 Northern men ind over a mile of the canal has been employed in constructing a railroad iredged. The exclusive franchise for

to be the patriotic and political privilege of the United States to complet the canal. The commercial and nava supremacy of the nation which might se cure control of the canal demands in peratively that its control should no ass away from the people of the Unit-d States. It is made plain that two fleets would be required to block an American leet in Nicaragua where one would be necessary elsewhere. As a foothold from which to attack or defend, to

threaten or protect all the coasts, isi ands and adjacent seas, it is a more commanding power than Gibraltar. Would Benefit the Unit d States.

Among the beneficial results foresee are a more practical drawing togethe of the remote parts of the vast domain the world and a firmer cohesion he widely separated sections of th nited States, added to a stronger feel ng of neighborhood and community be ween the Atlantic and Pacific boards. The consummation of the work whose feasibility has already been der onstrated, is asserted to be of far greate mportance to the Western hemisphere han the Suez Canal is to the Eastern It is said that no precedent can be cited upon which to predict the future of American commerce when the gateway of the Interopeanic Canal across Nicaragua shall be open to it.

All surveys and examination of strate equiring removal have been completed The jetty has been constructed and the harbor of Greytown has been restored so that vessels of fourteen-feet draft have an easy entrance. Extensive wharves lan ting places, and permanent buildings

have been constructed, temporary camp erected, a telegraph line made, the cana



H. J. Detmers, of the Ohio Uni Columbus, Ohio, has disperiod of four months. Of 200 Northcovered the bacillus that causes the who have worked for the canal company for three years not one has d'ed from a disease incident to the country. By the Nicaragua canal the distance aved is shown by this table:

Hiles present Retween-X Y. & San Fran. Cape Horn, 15,660 N Y. & Puget Sound Magellan, 13,055 N Y. & Hong Kong N Y. & Melbourne Cape Horn, 15,760 N Y. & Melbourne Cape Horn, 15,760 Cape Horn, 15,760 N Y. & Melbourne Cape Horn, 15,770 N Y. & Melbourne Cape N. Y. & Melbourne - Cape Horn, 13,780 L'pool & San Fran. - Cape Horn, 15,620 N. O. & San Fran. - Cape Horn, 16,000 Prof. Brown-Sequard has said that

The wheat crop of the Parific coast in 1891 was over 1,800,000 tons and 80 per cent. of the wheat was exported by sailing vessels and a large proportion of it passed around the Horn. The Nicaragua Canal by shortening the route to Atlantic ports would not only save the producer cost of freight, but the revenue

not a microbe or series of microbes. of the canal at \$2 per ton toll would be nearly \$3,000,000 on wheat alone. It is shown that there are 50,000,000 thou-THE Canadians, who are comin over to the United States now in and feet of merchaniable timber in Washington and Oreg n to the value of of which over \$2 per thousand feet would be added by cheap water transportation via the Nicaragua Canal. The gross addition to the value would ount to the enormous sum of \$1,000,-

through a swamp only two died during a 1 he steam navigation of the San Juan River and Lake Nicaragua and an exengineers and skilled mechanics tensive plant for the Navigation Com pany have been ac uired. The govern ment of Nicaragua has acknowledged that the company has complied with the canal grant, which provided that \$2,000, 000 must be expended the first year. It is shown that the amount of money

Nicarag'a Canal. 4,907 5,660 10,635 9,981 7,627 spent to date on the enterprise is over s6,000,000. The enterprise is indorsed by the leading business men of the coun try, and that it will be judiciously economically managed is assured by the character of the board of directors, 4.14 who, by the charter of the company, are accountable to the Covernment of the United States. The Secretary of the Interior has the power to make pub-ic all the details of the corporate man-

agement, thus protecting the investor against the misuse of his money. Big Net Incom*. The Suez Canal, it is shown, saves

only 3,600 miles around the Cape of Good Hope, as against over 10,000 mi es saved by the Nicaragua Canal; and the ollowing table shows the number of and the gross receipts of the Suez Canal for six separate years:

r Ships. Tonnage. (France.) 555 55.500 4363,758 amount to the enormous sum of \$1,000, Year 200,000, even at this low estimate of \$2 1870...

speaking, of course, brace an opportunity to take advantag of the enterprise with unlimited capita oads that still are worked under the d system of calling out the hands strument is ready. It is supposed that and prompt energy, but it conceives i by road district supervisors, and not if these delicate little machines were of the gravel and macadamized roads | left ready for use they would wear that have been built by the toll companies, or within the last few years by taxation under free road laws. This latter class of roads is confined | an assay the weight had to be absolutely correct, or else the result would foot almost exclusively to Ohio and Indi-

up wonderfully in the long run. mistake in an assay, say, of the weight Any one who has passed into midof Mr Warner's moustache strand, dle age and who in his youth has should be made, when the total result done road work under the system of on a sum of one hundred and twenty calling out the hands-meaning the five thousand dollars came out, there tax-payers by the supervisor, must, would be a deficiency of over a hun

f he happen to revisit the scenes of dred dollars. That is why such fine his early manhood about road-making | calculations in weights have to be made time, be struck by the absence of im- | Some signatures, he said, were heavy, proved methods. Dirt still is piled especially if written in ink. on top of dirt, a shallow ditch is dug quested the reporter to write his signa along the sides of some of the places that are so utterly vile as to have Down went one of the little pans, and that are so utterly vile as to have the perpendicular needle showed that carned the distinction of bad holes the signature of pine letters weighed among men used to roads that are exactly two milligrammes, or the fif wholly bad in bad weather, in case teen thousand five hundrath part of an of a slough branches of trees are ounce Troy. And yet the lettering was cut and spread upon the swamp, and not heavy. - Yankee Blade.

dirt is piled on them, and then the job is done, the tax is worked out, the supervisor has no power to call on the road hands for another hour's work, and he has no means with which to hire other labor. The road

is just as had as ever as soon as a HOW TO HAVE FUN WITH GUNPOWDER AND heavy rain has fallen on it, and as oon as a few heavily laden wagons have mashed down the branches to the old level of the swamp.

Gunpowder, as is well known, is com posed of potassic nitrate (saltpeter) sulphur and charcoal. Of these ingre The farmers are not wholly ta blame for this lack of improvement dients the first is very soluble in water and the others insoluble. The amateur No improvement worth speaking of can be made under the present sys chemist can perform an interesting extem. A trifling road tax-generally periment by separating the soluble paid in work, and expended under It is only necessary to place a the direction of a supervisor who is httle gunpowder in a glass half filled not a practical road maker, and who with water and allow it to stand for a often works the hands mostly on that day or so in a warm place-such as a part of the road that runs past his sunny window sill. own farm-cannot produce good re The saltpeter will first dissolve in the sults.

Where dirt is the only available material for road making, thorough drainage is the first necessity. B thorough drainage the construction of an open ditch on each side of the roadway is not meant. Where grave and stone abound, good drainage still is necessary to the construction of a good road-bed. Drainage is the be ginning of road making.

It is obvious that a greater outla of money than the present system provides for is needed as a prelim nary to road construction. Legisla tion that enables county commission

years, upon application of a majority of the land-owners benefited by improvement of roads, has been passed n some States, and it has been found that after one progressive district has essayed this voluntary taxation others have followed in a succession almost too rapid for the commissioners. Land has increased in value as good roads have made ingress and egress easy. Farmers have made money by being able to haul loads in grease, wax or paraffin. all kinds of weather. Villages have developed into towns and the social pleasures of farm life have been multiplied. them.

To watch the cora grow, or the blos chemistry.

Words, money, all things else, comparatively easy to give away, hu when a man make a gift of his daily lif ships [assing through, the net tonrage] and practice, it is plain that the truth whatever it may be, has taken p sees

Farrots are only ten cents apiece

their rests. The -So light is the solder's web that a or needle, settles to zero, and the in pound weight of it will reach around the world, and then leave enough to reach from New York to San Francis. more and not be as sensitive to weight. These scales are used in making as-says. Mr. Wilder said that in making

that might, perchance, get on one end

of the balances and cause the perpen-

dicular needle to oscillate. Then the door is carefully closed, so that not

one .Eolian breath of air can sing with

heavy tongue against any portion of

One peculiar fact is that the scales, or

FOR CURIOUS BOYS.

A GLASS OF WATER,

delicate scales. They generally

-The weeds on the monitor Monadnock, which vessel has been lying for some time past at the Mare Island (Cal.) dockyard, were found recently If o be from three to four inches long.

-It was at Freyburg Academy in Maine, which recently celebrated its centennial, that Daniel Webster Legan 'he study of law.

-An industrious and economical woman in Atchison, Kan., collects bugs from the machinery at the electric light station and feeds har chickens with them. He re

> -The Indian name Michigan means "great lake"-the same name that the latter-day inhabitants apply to those large inland bodies of water, of which Michigan 18 one.

-The Germans believe in doing things decently and in order. In the large cities before they can start for the scene of a fire the firemen must salute their commander.

-An alligator at the Crystal Palace, London, lived in perfect health upon nothing for eighteen months. It lately took a piece of very high mutton with relish.

Out of 50,000 guesses on a big cake of somp on exhibition in Berlin only two were correct. The cake was a soap maker's advertisement, and it weighed 122 pounds,

-Japanese jugglers are deft smokers. Several of them will sit before a cur-tain and from the tobacco smoke, which issues from their mouths, will form a succession of readable letters. -The natives of Vera Cruz, Mexico. do a large trade in fireflies, which they catch by waving a burning coal at the end of a stick. The insects fly toward 'he light and are captured in nets.

-If the dead of London were each allowed a grave two by six feet, with a very thin wall of earth between, each year her 80,000 corpses would nll a cemetery of about twenty-three SCTES.

-In the Oriental Department of the British Museum, a tablet has been deciphered as containing an offer of marriage made by a Pharoah to a daughter of the King of Babylon, about 1530 B.

-Tornadoes originate in the tropics, and are chiefly found in five localitiesthe West Indies, Bengal Bay and the Chinese coast, north of the equator, and in the South Indian Ccean, off Madagascar, and, in the South Pacific, near amoa.

When Jumbo, the mammoth elephant, was dissected, a pint and a half of gold, silver, copper and bronze coirs were found in his stomach. In the lot there was coins of three kingdoms, two republics, five dukedoms, two principalities and one dependency.

--- It is calculated that 1000 thrifty coffee trees will yield a fair average of 200 pounds of coffee per annum.

THE example set by the very pro gressive Japanese government might well be copied by many of the effete monarchies of the old world. Two thousand Japanese subjects, selected from the middle class, are to be sent to the World's Columbian Exposition. presumably to study the vast object lesson there presented, all expenses of which trip are to be borne by the Japanese government. Contracts with American railway companies to convey these visitors across the continent prove that the Japanese are genuinely in earnest in this commendable undertaking The Czar of all the Russias might make a note of this fact.

soms set; to draw hard breath over the ploughshare or spade; t . think, to love. to pray-these are the things to make men happy.

sion of him.

Central America

ers to issue bonds, payable in twenty

water, and then creeping up the sides of the glass will crystalize around the edge as shown in the illustration. The

creeping property of certain salts is a very interesting-and sometimes a very annoying-one to the chemist. Ammonic chloride, or sal ammoniac, possesses it in a high degree, and it may often be observed incrusting the edges of electric batteries, in which its solu-

tion is used as an exciting agent. It may be prevented by covering the edges of the vessel containing it with The residue left in the tumbler con-

sists of sulphur and charcoal, but there is no simple method of separating The sulphur will diss lve in bi sulphide of carbon, but we cannot recommend the use of this inflammable and offensive liquid to the amateur in

