ISTHMIAN CANALS.

Panama Route.

Came to be Arranged and What It Provided For - Is It Yet in

Harper's Weekly.

There is no doubt that the time is arious forces at work which are hos- had been amicably and honorably ad ile to one another, and necessarily justed." anal, and Government control, and survival by asking Lord Granville to here Government participation, includ- dent Cleveland recognized it. The hat nothing but the public welfare is ment prevailing between the friendly sentionsidered. The country has made up tries and from more coords ts mind that a canal ought to be contructed, and, as matters now stand, ne Nicaragua canal is the only one in ne public contemplation. Indeed, this oute has been the only one in the houghts of the people for many years, and also the only project which has been presented to Congress in such a ions for commissions charged with he task of making investigations and urveys. The Panama route has been long surrendered to French exloiters that the public seems to have orgotten that the United States Gov. THE UNITED STATES' POSITION. rnment has rights there other than hose represented in a physical way by the Panama Railroad.

RIGHTS IN PANAMA. The rights of this country in Panama are contained in a treaty which was negotiated with New Grenada, in 1846, and which is still operative bein 1862. Under this treaty the United States have "the right of way or transit across the Isthmus of Panton that now exist or that may hereafter be constructed." This right is

Covernment to Covernment of citizens of the United and the citizens of this country, and States may be imperilled or lost. there is a further guarantee as to tolls to be charged. In return for this, "the United States guarantee positively and efficaciously to New Grenada, by the present stipulation, the perfect neutrality of the before-mentioned isthmus * * * and, in consequence, the United States also guarantee, in the same manner, the rights of sov-Grenada has and possesses over the ing, if the Nicaragua route is to be aid territory." As we have already insisted on, is for the executive. late as President Cleveland's first dministration, troops of the United States were landed on the isthmus, under its provisions, for the suppresion of disorder and the protection of he property of the Panama Railroad mpany. The advantage which the United States have under this treaty the joint control of the canal with New Grenada for purposes of comerce, it being stipulated that the charges and tolls imposed upon the ne shall be no greater than those imed upon the other.

Thus much for the treaty status of Panama Canal, and the rights which this country possesses in the stual construction of a canal is a uestion which is now interesting enneers. All that we care to state in article is that if a canal be built at Panama the rights of the United ns and vessels engaged in commerce is concerned, will be the same is those of Colombia, and will, we think, be practically the same, so far

THE NICARAGUA ROUTE. The first arrangement for a canal was made by this Government with Government of Nicaragua, and intemplated the construction of a ip waterway over the route from reytown to the Pacific, by way of ake Nicaragua. This arrangement as entered into in 1849, and resulted om the acquisition of California in ay, 1848. As soon as the concession obtained, however, conflicting ghts or claims on the part of Great Britain were encountered. That Govnment exercised a protectorate over the Mosquito Indians, who occupied learly the whole of the eastern coast Nicaragua, over Belize or British iduras, and over the Bay Islands and other islands adjoining Honduras. was therefore realized at Washngton that if this country undertook to aid in the construction of a canal, nd to control it, especially if it was built through territory which might be claimed by the British Government is the property of the Mosquito Inlans, serious difficulty might result. Therefore, Mr. Clayton, President meself, and I tell you I found the whole place invaded by fat cattle and cows."

One day Cleary met John Comiskey, after both had failed to secure the nomination Lord John Russell was the head, to ent to the construction of the canal through Mosquito territory. The British Government declined to do this, and the result was the negotiation of the Clayton-Bulwer treaty of April, 1850. In this treaty the two vernments agree that "neither the e nor the other will ever obtain or naintain for itself any exclusive conrol over the said ship canal; agree-ng that neither will ever erect or intain any fortifications commandthe same, or in the vicinity thereor occupy, or fortify, or colonize, assume or exercise any dominion er Nicaragua, Costa Rica, the Mosquito coast, or any part of Central America, or of owning or exercising

any dominion over the same." We have quoted this at length from the first article of the treaty because t has nearly always been contended by the United States that in continuto exercise a protectorate over the Mosquito Indians and over some of the islands Great Britain has violated the treaty from the beginning, and that ore the convention is, and always has been void.

DISPUTED POINTS.

It has been also contended by vaoritain has not only continued to ex-reise a jurisdiction which she was sound to surrender under the Clayon-Bulwer treaty, but that she has nlarged her jurisdiction and violated er agreement not to colonize the Centhrough a treaty made with Guate-

mala in 1859, in which her Honduras "settlements" were transformed into "possessions." This contention was made by Secretary Frelinghuysen in S. Interests in the French his instructions to Mr. Lowell in 1882, and in the same instructions he insisted that the intention of the Clayton-Bulwer treaty was "to dispossess Great Britain" from the Mosquito territory. Mr. Freylinghuysen also conlayton Bulwer Treaty - How It tended that the treaty failed for lack of consideration, its one object, the building of the canal by the concessionnaire of 1849, not having been accomplished. Nearly all American Secretaries of State have contended that the Clayton-Bulwer treaty is void; but President Buchanan, in his fourth annual message, 1860, declared that early here for the construction of a through treaties concluded by her with anal uniting the Atlantic and Pacific Henduras and Nicaragua, Great Briceans, but the questions involved, so tain had relinquished her protectorate ar as the Government is concerned, over the Mosquitoes, and that, theree grave and difficult, and there are from the Clayton and Bulwer treaty

Subsequent presidents and secretanake speedy action impossible. There ries, however, did not agree with Bure the antagonisms, in the first place, chanan, although Mr. Blaine seemed etween Government ownership of the to assent to the theory of the treaty's consent to its abrogation, and Presig endorsement of a private corpora- difference of opinion on this subject on. Then there are the internation- between the two Governments, howquestions involved. There is no-office holding that the treaty is in hing, however, of such serious import hat it may not be settled, provided on the force. However this may be, it is hat it may not be settled, provided on the first of the fir ies, that the difference can be ar ranged, and that Great Britain will agree to give to the United States all the ownership that Congress may de sire the Government to have, and full control of the canal besides. It is not likely, moreover, that any bill will be passed by both Houses of Congress namer as to excite an interest sufficient to be formulated and embodied struction to the President to agree struction to the President to agree struction. with Great Britain in a renewal of the essential feature of the Clayton-Bulwer treaty that the two powers shall guarantee the neutrality of the canal.

There are some difficulties too is the way of the pending Morgan bill to be found in the Nicaragua concessions, especially one which seems to forbid control by the United States. Whether this can be so readily overcome is a serious question. The Nicaraguan Government is not friendly to the Maritime Canal Company, but is evithe 9th of next October. Probably a upon any modes of communicathen the question with Nicaragua wil aranteed both to the Government interests of citizens of the United At any rate, so far as the Government is concerned, it is clear that it same manner, the rights of sov- events, it seems as though the neces-

ENGLAND'S NAVY PERSONNEL Official Schedule of the Scheme for Enlarging It.

From the London Gazette. ed ranks upon the active lists will be as

follows: Flag Officers, 89. Admirals of the fleet 3 Admirals................ Rear Admirals Total.....

will be as follows:
Flag Officers—One each year, commencing
on Jan. 1, 1899. tates, so far as the transit of per- Captains-Annual increase of four in 1898, each succeeding three years. Commanders—Six each year, with 1898.

In the executive lists the rate of increase

think, be practically the same, so far as the passage over the isthmus of troops and war vessels is concerned.

THE NICARAGUA ROUTE

with 1898.

The Chief Gunners, Chief Carpenters, and warrant officers will be increased to the following numbers:

Chief Gunners and Chief Boatswains (including 10 officers holding such rank by virtue

BULLS BY CLEARY.

Some of the Funny "Breaks" the Noted Character

Chicago Inter-Ocean. When Colonel P. M. Cleary was county commissioner an appeal was made at one of the board meetings for a requisition for a fence for the normal school, when Commissioner Gunther, of Blue Island, and several others objected to the expenditure on the ground that it was unnessary extravagance.

"Extravagance is it?" retorted the colonei. "It's no such thing, gentlemen. Why, I was out there yesterday afternoon for sheriff.
"What claim did you have for the nom-

sympathetically remarking in reference to the manner in which they had been "thrown down" by their friends.
"Falth, John, 'tis hard lines when they have to go behind a man's back to cut his throat."

Soon after the colonel was addressing Soon after the colonel was addressing a meeting at the Irish around celebration at Ogden's grove, and as his remarks defited to the beautiful scenery in Ireland he would end his speech as follows:
"And, ladies and gentlemen, if I live until I die, and with the help of Providence I will, I want to tell you that I will see old Ireland once more before I leave Chicago."

CURE ALL YOUR PAIRS WITH A Medicine Chest in Itself. Simple, Safe and Quick Cure for GRAMPS, DIARRHOEA, COUGHS. COLDS, RHEUMATISM. MEURALGIA. 25 and 50 cent Bottles.

PERRY DAVIS'

BUY ONLY THE GENUINE.

BEWARE OF IMITATIONS

OF FREE PRESS. GREETING

1899.

Another year has rolled into the past. As I from door to door do take my way, Another year of history has been cast, A page that gleams more brightly day by day. And once again revolves the great birth hour When He the Highest as the Lowliest came, Stooped from His throne of everlasting power And moved by Love returning love to claim. And step by step the great world rising higher, Nigh to the summit of two thousand years, Man's restless thought outrunning doth aspire To read the secrets hid from ancient seers. This land, where peace and plenty doth abide, Where countless happy homes are filled with joy, While other lands present a bleeding side, Where mothers sadly mourn an absent boy. The garnered stores, the cattle on the hill, The pleasant joyance of the warm fire's glow, The books that please, the gentle song that thrills, Are joys that each faithful, earnest heart may know. Here is our Free Press, paper free from stain! No breath of scandal soils the unsuffied page, And like the vintage pure of Southern Spain, The better grows with an advancing age. A merry Christmas all! a harpy year! I give you greeting in old Caxton's name! Without the printers' aid it doth appear A weary Christmas many a soul might claim!

R. BOAL.

DEVASTATION OF FORESTS Minnesota Warden Tells How

Swiftly Trees Are blaughtered.

The Legislature May Take Action Industry.

Duluth, Minn., Dec. 17.-"A pine tree that has been 200 years in growing to merchantable size can be cut, the time the axe is first laid to its roots." So states Forest Warden Andrews, of Minnesota, in an interview. ache, biliousness, indigestion. Price He was endeavoring to show how 25 cents. the growth of the railway built for the transportation of logs from forests to mills had increased the slaughter

reforestation of cut-over lands, this will all be out of the way in the next twelve to eighteen years, and the lumber industry of the State will be gone. Minnesota is the last remaining lumber State east of the Pacific Slope. The pine of Michigan and Wisconsin is

practically all cut, and west of Minnesota are the treeless prairies. The pine that is cut in Minnesota in a winter represents \$5,000,000 as it stands on the ground; cut, it is doubled in value, and four-fifths of the increase is in labor. Not far from 20,000 men are employed in the mills and fcrests of the State the entire year, and all this value of product and wages to labor will be a thing of the past unless the Legislature of the State takes up at once the question of reforestation. A movement is on foot now to inaugurate action by the State at the session of this winter.

Every kind of tree that grows in New England, except the beech and hemlock, grows in Minnesota. hemlock, though it is found a stone's throw east of the Minnesota State line, and is one of the most valued trees in Western Wisconsin, has not one specimen in all Minnesota. The beech can

the entire consumption of New York city is estimated at 125 acres of spruce wood per day. Most of this now comes from Maine, but steps are being taken that will make Minnesota and Ontario, north of this Sate, the chief producers of print paper, with the abdute denudation of the forests that this class of lumbering means. After the pulp lumberman has gone over a swamp it looks as if fire had swept it

bare and clean. There are in Minnesota nearly 3,000,-000 acres of waste land, from which the trees have been cut, and on which no taxes will ever be paid. These lands are reverting to the State for non-paymen of taxes as fast as the lumbermen can get rid of them. Active steps are being taken by members of the coming State Legislature and others interested toward the outlining of a plan by which the State shall gradually reforest these millions of acres, and hold the lands as a public property to be lumbered as occasion may require and the State may direct. It is claimed that millions of dollars can be earned by this course, and that the lumbering industry in Minnesota can be ontinued indefinitely and almost uninterruntedly. These new lands, if forested at once, will be ready for the axe by the time the present forests are gone, if the young trees on the present timbered lands are preserved and not ruined by the process of cut-

ting those now large enough to make a board. In Europe the forested acres earn the State from 27 cents to several dollars per acre per year, and Minnesota's abandoned pineries are said to be better soil than most of those in Channel Island stock, and we think Europe. Something like 800,000 acres the Jersey in this country differs in Interesting Experiments Made by Prof. Lawrence erty in absolute fee of the State and several respects from recent importatwo or three northern counties, and on tions. Many of the effects of changthese it is proposed to begin experitions. Many of the effects of changthese it is proposed to begin experitions. NOT ONE SPECIES IS EXEMPT. short time, as soon as the proper laws the control of the breeder if short time, as soon as the proper laws. The condition radical. revenue of 90 cents an acre, which is try are so various in different parts the figure set by the State Warden, of it that examples of the effect of would mean nearly \$3,000,000 a year in environment in changing the estab-This Winter Toward Reforesta- revenue to the State, and a far greater tion - Statistics Regarding the income to labor and capital, all of methods continued.

How It Hurts!

Rheumatism, with its sharp twinges, brought from the forest by railway, aches and pains. Do you know the although this could be largely conput into the boom, hauled like an ani- cause? Acid in the blood has accum- trolled by imitating the method of put into the boom, hauled like an ani-mal to slaughter into the mill, sawed found in Hood's Sarsaparilla which out going into details, it will be obinto boards, dried in a kiln, matched neutralizes this acid. Thousands write and surfaced, and put into the frame-work of a house in sixty hours from illa. that they have been completely cured its living by climbing over the hills in form that has resulted from regular

Hood's Pills cure nausea, sick head-

About Rugs. N. Y. Sun. of the forests. These roads, reaching "Nearly every one who has ever far into the forests where no trees bought rugs," said an expert, "as- supp can be cut if they must be rafted by sumes that he or she, as the case may tracted to fit the food and it differs through any number of tests, and the river to the points of consumption, are be, knows enough about them to in this respect from the call that has great majority were found to be magtapping timber that was a few years make good bargains, but although I been pushed from birth on the farm netic. Those manufactured by water tapping timber that was a few years make good bargains, but although I or in the breeder's herd. It is largely ago supposed to be beyond the reach have been in the business a good this fact that makes range cattle reof the most envious lumberman. They many years I can't say that I know it spond to feed so poorly when brought The future numbers of the undermention- are increasing the cut of pine in Minne- thoroughly. Some of the Oriental rugs to the farm as feeders. The stomach are increasing the cut of pine in which were brought to this country has been permanently contracted by block of clay would make no ceable eating dry food and range grass dideflections in comparatively crude inyearly, and their ultimate results will 30 years ago and more, and which were rectly after the calf is weaned, and, Increase. peints where forests are absolutely sold at that time for prices which as many a feeder has found to his necessary, far up the water courses seemed extravagant, say \$200 apiece sorrow, it is impossible to obtain saand on the ridges and heights of land, are now worth ten times that much later on. Mr. Lockhart, manager of pusquetism. A certain amount of lime Since lumbering began in Minnesota, and I have no doubt that not a few the Alfalfa Land and Cattle Co., at fifty years ago, there have been cut of them are kicked around on floors Colorado Springs, says it cost his brick, such as was used, and its presin the State about 50,000,000,000 feet of pine, and there are calculated to remain for cutting about 30,000,000,000 more. If no steps are taken for the are taken for the aright and over the state around on floors Colorado Springs, says the company \$25,000 to learn the fact, for they no appreciation of their value they learned it by experience.

Environment certainly does a fact that are kicked around on floors Colorado Springs, says the company \$25,000 to learn the fact, for they learned it by experience. and by watching their sales, I have mean by that a rug worth a few dolworth many times what it cost me at present introducing so largely. Such opportunities are rare, however now so carefully made that they may deceive any one who is not a good judge, and even the patterns of rugs which are worth thousands of dollars of renting a valuable rug to be copied prevails to a greater extent in England than in this country, It would undoubtedly surprise the general public to know the names of well-known people of wealth who are willing to rent their rugs. The manufacturer insures the rug and pays perhaps \$200 owner is protected by the fact that an expert may readily detect a counterfeit from the real, and the manufac-

sign which he places on the market.'

effect of Environment on Type

It is very commonly and truthfully said that the conditions under which an improved breed of live stock has been made must be kept up in order to maintain it and carry on the work of further improvement along the same lines. If the environment is materially changed the type will undergo a corresponding change, which may or may not detract from the value of the breed under the new circumstances depending upon what the nature of the change is. Many a man has found that the mere purchase of good blood was wholly insufficient to insure good stock, and the caution commonly given to those unfamiliar with improved animals who contemplate introducing them, not to do so if they only propose to give them scrub stock care has a sound basis in the nature of things. Quite a number of imported breeds of various kinds of live stock that have been bred in this country for a 'considerable time have undergone what might be called an American modification. Usually where the care has been what it ought to be, the slight change has not been particularly detrimental, but sometimes it has been so to the purpose for which the breed is kept. It is difficult if not impossible, for example, to keep down the size of the Shetland pony when ber in this country for a few generations. On the other hand some of experience in climate, soil and feed all our best breeders of draft horses have been able to ship back to the country from which the breed came breeding animals of their own production that were welcomed as a real acquisition to the breed in the country of their origin. The London Live Stock Journal notes that Jersey cattle bred in that country for several generations The conditions existing in this coun-

lished American type can readily be found. We have recently seen some which now is sure to be utterly swept Poland China swine of undoubted away in a few years, with present purity of breeding in the Big Horn mountain region that were a very different hog from that grown in the middle West. So, too, pure bred cattle of the beef type underwent a change, and not for the better either, vious that an animal cannot pick up and abundant feeding obtained without effort Laziness has been systematically encouraged in it and has produced certain results in form, and when systematic activity becomes the when systematic activity becomes the rule with it, the results will, to some extent, disappear even though they becomes the rested on a brick pier for the purpose of making it plumb. Not long after Prof. Lawrence, while in Ann Arbor, long to it by inheritance. So when a reard of a similar experience occurcalf is weaned and thrown onto ra-ther scant though rich pasturage for ments went on with more zeal than

Only an expert can value these rugs Environment certainly does affect aright, and even the experts are not type, and if the change is radical the infallible. I have discovered that the change in type will be radical too. To be controlled, but it seems probable from time to time picked up at small that they will always have to resort cost a very valuable rug. I don't to the breeders in the Mississippi and minute amount was retained. Missouri river valleys for new blood

experience, especially when we can measurements.

turer reaps his profits in the new deshows and experiment stations have by experimenting with several time our fathers did and the wide ist in no uncertain quantities.

Coughs That Stick.

You don't seem to be able to throw them off. All the ordinary remedies you've tried don't touch them. The cough remedy for you is Dr. Wood's Norway Pine Syrup. It loosens the phlegm, allays the irritation, heals and soothes the inflamed lung tissue.

MR. WM. FERRY, Blenheim, Ont., says: "I can recommend Dr. Wood's Norway Pine Syrup as the very best medicine for coughs and colds, sore throat and weak lungs.

Dr. Wood's Norway Pinc Never fails to Cure.

over America is developing a great live stock country, and we can win the greatest success in the markets by producing the best quality, under the advantages of our abundant cheap feed that enables us to supply the markets of the world.-Chicago Live Stock Journal.

MAGNETISM IN BRICKS.

at Muchester University.

Probably the idea that a humble red brick would ever play any part in electrical experiments has occurred to However, this is just what a certain lot of bricks composing a pier at the Reynolds Laboratory did and will continue to do as long as they are within reasonable distance of the delicate electrical instruments used in the laboratory. A suspicion that the above contingency might exist has been in the mind of Prof. Henry E. Lawrence, of the University of Rochester, tor some time past. That it is a reality he now feels sure, and the methods he used to come to that conclusion are

most interesting. The professor, in collaboration with Otis A. Gage, a special student in electricity, began a series of experiments covering some months. The performances of a magnetometer which was used in measuring the magnetic power of a steel bar was the first cause for suspecting that the bricks were other than what their appearance would lead one to think. The magnetometer had ever. Bricks of all varieties were power, known as "hydraulie" bricks, proved to be exceedingly strong, one equalling the power of a steel needle 2.3 centimetres in length. This same deflections in comparatively crude instruments, while delicate ones would

futter perceptibly, One of the bricks, a plain white one, magnetism. A certain amount of lime enters into the composition of a white ence undoubtedly had much to do with the absence of magnetic power. It was discovered that the bricks gained riagnetism in the presence of a dyname, though the surrounding of the auctioneers of rugs sometimes make some extent the change which the bricks by wire coils made no percepa mistake to their own disadvantage range environment makes can in time tible difference. Heating the bricks served in a measure to decrease the magnetism, though in each case a

To just what cause this is due neilars more than I gave for it, but one to keep up the improvement they are ther gentleman is ready to state. It is the present opinion, however, that The above, from the Wisconsin there is more or less magnetite in the The imitations of Oriental rugs are Farmer, shows the value of experi- clay of which the bricks are made. The ence in stock raising. Some farmers made of manufacture is also thought prefer to get this experience by per- to have something to do with the sonal application, no matter how ex- phenomena. As stated above, the prespensive, rather than read the stock ence of lime served to decrease the journals and get the experience of magnetism, while the absence allowed of greater power. The professor thinks Farmers who make the most money the importance of his discovery get the most experience they can from obvious. The slightest trace of unsusall available sources. Life is too pected magnetic power in the struc-short to try to find out all about tural part of a laboratory is necesbreeding and feeding from personal early fatal to nicety of electrical

for the use of it for a week. The rug's to save time, labor and money.

That clay, when worked ever so little by human agency, gathers mag-The more we study the science of netic properties has been thought for breeding and feeding the more we see some time. Eminent Italian scientists there is to learn. We have learned have made innumerable experiments the value of improved breeds for their in that line during the past half dozen special purposes, and the fat stock years. Their greatest proof was found given us the value of early maturity amples of ancient pottery which had and special feeding that has enabled been buried for centuries. Crude as us to market our stock in half the they were, magnetism was found to ex-



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Dear Sirs,—I received your butions at about ten o'clock, and had them all sold by a puarter past. It is not work to sell them, but only play.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

The Lever Button Co., Gentlemen,—I have used my chum's Paisy Air Rifle that he got from you and it's a dandy.

DEAR SIRS,—I received my watch yesterday, it is a little brauty, and it is much nicer than I expected. Please accept my thanks.

Free with 500 rounds of ammunition for Selling 2} Dox. DEAR SIRS,—I received my watch and chain Saturday night. It is twice as good as people said I could get.

Many thanks for your kindness and also for your honest way of doing business. I never could have got a prettier watch easier in my life.

Vernie McLean.