AT LEVEL OF SEA.

Panama Canal Commission's Plans for Isthmian Waterway.

Washington, Feb. 28,-The first defi-Washington, Feb. 28.—The first defi-nite enigneering plans for the construc-tion of the Panama canal have just been laid before the Iethmian canal commission by the engineering comit-tee of that body, consisting of Com-missioners Burr, Parsons and Davis. The principal recommendations are summed up in this resolution: "Resolved, That this committee ap-prove and recommend for a bea-leve." Russian Army to Make a Stand JAPS MAY DRIVE THEM FURTHER

FULL RETREAT

at Tie Pass.

Draw Near Mukden and Camp

Followers Stampede.

whole army will be in flight before the

The Russian general's objective is to reach Tie pass in the hope of establish-

ing another line of defense there. The

elaborate and complete campaign

planned by Marshal Oyama, if carried

extremely difficult of fulfillment, how-

or that they must face surrender event-

continued heavy fighting last night.

From the front have come reports of

Heavy artillery firing has been the

feature of the tighting again, the Jap-

anese continuing to hide their move-

ments under the smoke of the large

guns. The attacks developed under

this cover and during the night time

have been flerce and in most cases ef-

Admit They are Beaten.

St. Petersburg, March 4 .- It is now

generally admitted that after the long

and heavy battle which has been wag-

ing before Mukden, General Kuropat-

kin has been forced to abandon at least

a part of his most advanced position

under the fierce attack of the enemy.

The next stand will probably be made

at Tie pass, and little doubt is expressed

of the ability of the Russian commander to bring his forces safely from the scene of the present conflict and firmly establish himself in a new position.

FEAR RUSSIANS WILL FLEE.

Japanese Eager to Decide War with

Present Battle.

victorious Japanese.

ually.

Japanese.

fective.

the commission a plan for a sea-leve, canal, with a bottom width of 150 feet and a minimum depth of water of 35 feet, and with twin tidal locks at Mira-Left and Center Beaten - Japanese flores, whose usable dimensions shall be 1,000 feet long and 100 feet wide, at Tokio, March 4 .--- While a few offi-

a total estimated cost of \$230,500,000. "Such estimates include an allow cial dispatches from the army before nce for administration, engineering, Mukden have been received, nothing sanitation and contingencies, amounting to \$38,450,000, but without allow-ance for interest during construction, has been given out officially. Other reports state that the Japanese attack expense of zone government and collat-eral costs and water supply sewers or against the Russian left and center has been entirely successful. The right paying of Panama or Colon, which last items are to be repaid by the inhabiwing of the Russians has held so far, tants of those cities." The committee estimates that a but it is believed that, on account of other reverses, it is only a question of

level canal can be completed within 10 or 12 years from the present time. a few hours until General Kuropatkin's

These recommendations are the con-lusion of a report to the committee prepared in the canal zone under date of Febraury 1 last, and based on complete engineering reports on all of the problems involved. The committee decided that, under

o circumstances, should the surface of out exactly as outlined, will make this the canal be more than 60 feet above the sea, and estimates that this level the cost would be \$178.013.06. A 30ever. It is probable that Mukden must foor level is estimated to cost \$19,213,be entirely abandoned by the Russians, 406.

MINERS LOSE LIVES.

Twenty-Three Killed in West Virginia Mine Explosion.

The heavy cannonading could be plain-Bluefield, W. Va., Feb. 28. ly heard and the greatest confusion result of an explosion in shaft No. 1 of the United States Coal and Coke company, at Wilcoe, today, 23 miners are supposed to have lost their lives, P reigns in Mukden, according to the latest reports. Every means of transportation is being utilized by the peoand it is possible that the number will ple, who are hurrying away before the

Up to 8 p. m. 15 bodies had been taken from the shifts. A large rescu-ing party is in the mines tonight. It is barely possible, but not likely, that some of the remaining entowhol and shattered windows a mile distant.

and shattered windows a mile distant. Immediately after the shock great num-bers of miners, who were off duty, rushed to the shaft to find great clouds of smoke and dust gushing from its month. Mothers, children and othes relatives soon were weeping and plead-ing for the rescue of those dear to them entombed in the mine. The officials of the mine were soon on the seem. of the mine were soon on the scene. The company usually work in this shaft about 75 miners, but today the men were not all in, and the small loss

VICTORY IS BARREN.

Russians Were Able to Retire from

Tokio, Feb. 28 .- The reports that are arriving from the front indicate that the severe engagements of the last few days are the prelude of what now seems will prove one of the bloodiest battles of the war. A large portion of General London, March 4.—A dispatch from Tokin to the Daily Telegraph states that the Japanese are endeavoring to force a decisive battle in Manchuria, with the advantage on the side of the A THAT OF STREET

will retreat, fighting a rear-guard ac-Reports from the Shakhe river indithe Russians were enabled to retire in cate, says the same correspondent, that the Russian morale is seriously im-paired and that there are numerous pass, which is now being attack

Western Rallroads Decide Upon Livestock Rates.

IGNORE

WILL

WILL MAKE TEST CASE IN COURT

To Obey Decision of Interstate Com merce Commission Would Mean Heavy Loss To Roads.

Chicago, March 2. - Executive offichildren of Western railroads today decid-an old fruit miser. For twelve yes ed to ignore the order of the Interstate he experimented to obtain the fruit. Commerce commission requiring them to charge no higher rates for livestock to charge no higher rates for investors than are charged for the transportation of the products of livestock. By the advice of general counsel the matter will be tested in the courts, as the railroads have determined that it will be impossible either to lower the livestock rates or to increase the rates on pack-ing house products. There is an inclination to do the latter, but the con-tract which the Great Western road has with the packers for an 18-cent rate between Chicago and the Missouri river makes such action impracticable. A reduction in livestock rates in compliance with the decision of the commission would mean a minimum cents, and the reduction of about 8 fully 40 per cent of all the livestock larger and better the fruits been the traffic west of Chicago. reduction of 316 cents per 100 pounds and a maximum reduction of about 8 traffic west of Chicago. A compliance every way." with the commission's order by a re- Apple cul duction in the livestock rates would mean, it is now estimated, a loss to western railroads of at least \$2,000,000 trees in bearing, from which 250,000. annually. They say that such a loss, 000 bushels of fruit are annually har-in view of the contention of the rail-road officials that the rates are even give a yield of 400,000,000 bushels. now unremunerative, is not to be

POISON IN VIAL.

Mrs. Leland Stanford Drinks a Fatal

Dose and Dies in Agony. Honolulu, March 1. - Mrs. Jans athrop Stanford, of San Francisco widow of United States Senator Leland tauford, died at 11:40 o'clock night, 40 minutes after she was taken ill, at the Moano hotel here, under suspicious circumstances, pointing, in the opinion of the physician who attended her in her dying hour, and seemingly in that of others, to poisoning by the administration of strychnine n a vial of bicarbonate of soda given just before retiring.

An autopsy on the remains showed that the cause of death was tetanus of the respiratory organs, but how this was brought about will not be known until after an examination of the con tents of the stomach.

Mrs. Stanford built the children's hospital, Albany, N. Y., costing \$100,-000, and supported by an endowment of \$100,000 more. She also gave \$160, 000 to kindergarten schools in San Francisco. Since the death of her husband Mrs. Stanford had devoted her attention to the development of the university, and had been residing at Palo Alto, Cal.

TALK OF RETREAT.

Jaranese Have the Russian Army in

Very Tight Place. St. Petersburg, via the frontier, March 2.-Official circles at the Rus-sian capital have been seized with great alarm, owing to the ominous news from the Far East, and a conference has been held of the military experts, who discussed the Japanese movement and debated at length what action the Russian government should take at the present time to uphold General Kuro- great a sensation when brought before oatkin.

LAW After Years of Experiment a New Soedless Fruit Has Been Produced. The coreless apple has been pro-inced and it is full of possibilities. The new fruit is regarded as "the vorid's greatest discovery in horticul ture," says a writer in the Nineteenth Century and After, and in fruit-grow-ing circles is called "the wonder of the

NOW CORELESS APPLE.

Its flavor is beyond question. If it proves as large as its rivals trees pro-ducing the new wonder, which is a winter variety, will be planted by the million in the commercial fruit fields at home and abroad. There is little likelihood of its impeding the profits. ble sale of ordinary apples of high grade.

The new apple, which is both core less and seedless, was introduced by an old fruit miser. For twelve years The tree is described as blossom ess, the only thing resembling a blos som being a amail cluster of tiny green leaves which grow around the newly formed apple and shelter it. Be ing devoid of blossoms, it is claimed that the fruit offers no effective hiding place in which the codiin moth may iny its eggs, which it usually does in the open eye of the fruit. Moreover, there is nothing to fear from frosts. The color of the new apple is red dotted with yellow on the skin. As with the seedless orange, so with the seedless apple, a slightly bardened substance makes its appearance at the

Apple culture is more important

pounds a head of the population a year. By bushel measure the American ap ple crop is four times greater than the entire wheat yield of Great Britain

and Ireland. Billions of apple trees are grown in the orchards of the world, and millions of them are still being planted each year. The apple imports of Great Britain alone range between 4,500,000 and 5,000,000 hundredweight. In ad-dition, the writer estimates the census of our apple trees at 20,000,000.

There are now 2,000 of these core as apple trees available for propaga-2,500,000 of these trees will be put upon the market.

needless apples.

visible on the Spencer seedless apple plaint may be made in most sections trees, when budded or grafted they in-of the country. sure trees that will produce coreless apples. They are great bearers, and crop freely in any country where the

ordinary apple tree will fruit. In 1826 Abbe D. Dupuy, professor of natural history at Auch, drew atten-tion to the Bon Chretien d'Auch pear, which produced fruit without see eds though when removed to another lo callty the seeds reappeared in the fruit in the usual way. This fact up to that period had led the fruit-tree distributers to treat the pear in one local-ity as the Bon Chretin d'Auch and in nother district ts the Winter Bon Chretin. But the Spencer apple romains seedless in any soli. The coreless apple will produce as



A Fine Table Fowl.

For some years the old English game wi of England has been coming to the front. We see much in print about the revival of the old English game. This fowl occupies a foremost place as table poultry. They are most delicate and fine flavored fowls, a wellknown fact to those who have feasted on what we call plt game. In fact, it is said that they outrank the pheas ants in delicacy when served on the table. They grow very fast and are always plump and ready for the spit any time after they are six weeks old. The colors bred are black breasted reds, brown breasted reds, duckwings, blue reds, piles, black, white and spangies, the latter the most popular. . As shown by the illustration, these fowls are beautifully built and free from the long shanks of our standard games.



They have full, plump breasts and bodies than our exhibition BIGHE In fact, they are the same as antities. At the present time the apple con-sumption of the United States is eighty exhibition form and color and not for the plt .- Country Gentleman.

Cure for the Dog Evil.

The Rural New Yorker says: The nly cure for the dog evil is a law reuiring the owner of one male dog to my a small sum for a metal tag, with name and address of the owner and the date, placing a practically prohibitory tax on additional dogs and female dogs, making it the duty of the oper officers to kill all dogs not ingged. When a dog is killed while wor-rying sheep or other domestic animals or fowls, the tag would show the own er and recourse could be had for dam-ages done. A law something like this tion to supply the orchards of the ages done. A law something like this world. It is estimated that by 1966 was on the statute books of Indiana several years ago and worked well: the revenues from that source The Spencer apple is not the first trebled, and the dog population seedless apple that has been grown. trebled, and the dog population de During the last sixty years about half a dozen such claimants have made their appearance. But in no instance small flock of sheep on their farms was it found possible to reproduce sentiment would soon be molded as trees from them which would bear back such a law. Now the dog owners redless apples. Though no blossom is at any time trends the other way. The same com-

Practical Sheep Barn. The plan shown is intended for a sheep barn, although it would answe equally well for cattle, and is arranged in such a manner that hay is stored



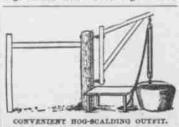
over the pens at the sides, and this

the harness is on, but suppose a buyer comes to look at the colts on the hal-ter, what do they look like bestde those with full manes?-Breeders' Gazertte.

To Prevent Smut in Wheat, Wheat should not be sowed without being first treated if it has any indications of having been exposed to smut. The trouble can be obviated by dip-ping the seed wheat in a solution that is sure to prove effective. Smut is carried over from year to year on the seed wheat. The mode of treatment is as follows: Dissolve one pound of copper sulphate in twenty-four gal-lons of water. Soak the seed in this solution for tweive hours, after which it should be drained off. Then the ed should be souked for ten minutes in lime water made by sinking one pound of lime in ten gallons of water. The seed should then be dried as soon as possible. Care should then be taken that the seed wheat is not eaten by chickens or other stock, as the sulphate is a deadly poison. It is the experi-ence of farmers that land that bore smutty wheat the previous year will not bear smutty wheat if the seed is properly treated, the smut spores in the ground having been all killed by the cold weather.

Frofit in Swine, A young, thrifty, growing hog will turn grain into money quicker than any other kind of farm stock. Every farmer who has not an extensive range for his hogs should sow rye to give them a green winter feed. Rake up all the corncobs, burn them, and when in the form of bright coals, throw water on them, thus making charcoal for the hogs. A little sait may be added. Try to feed young hogs regularly; never feed late, especially the evening meal. Which the hogs closely to see if their digestion is good, for if they are not healthy they will not thrive well. To get your hogs ready for market they should be on full feed of corn; but after they are as fat as they can be without detraction from their comfort, put them on the market at once, for they are unsafe to keep, because hogs fattened on the corn diet are very tender and cannot stand any abuse or dis-

ease. The hogs kept for breeding pur-poses should never be put on corn dist, but require feed that has more bone and muscle-producing quality. Keep a few more good brood sows; they will prove to be the best investment on the farm before another year is gone Don't waste good corn by feeding it to hogs in the mud. Your hogs will be



worth the extra cost of a feeding trough. Try keeping an account with your hogs; charge them with everything they eat and give them credit for everything they bring in, and you will be surprised to see how much bet-ter they pay than any other animal on the farm. All kinds of stock are a source of prefit on a good farm. And the farmer who thinks he can leave off stock growing is sure to find his mistake. The pasture must be utilized and fertility of the farm maintained. -Agriculture Epitomist.

Whitewashing the Trees. Whitewash may often be applied to fruit trees, especially apple trees, to good advantage. For this purpose the brine may be slaked in the usual manner with cold water, though hot water is preferable for that purpose. By adding some skimmlik to the wash it can be made to adhere better to the bark. To make it adhere still better, some people add a thin solution of gine to the wash. This whitewash should be of such a consistency as to be easily

nin.

to rescue the boats.

of life can be attributed only to this fact.

Position in Good Order.

that the Japanese are endeavoring to force a decisive battle in Manchuria, but it is feared General Kuropatkin The capture of Beresneff by the Jap anese, while a brilliant exploit, was practically barren of results, in that Tzenti pass, which is now being attacked. According to the latest reports from voluntary surrenders, not only of Poles and Jews, but of recently arrived Euro-pean troops. They relate that the ru-to have access to General Kuroki's col-to have access to General Kuroki's column has been heavily reinforced, especially with artillery, and many of mors are current in the army that the slege guns of heavy caliber which were used by the Russians at Port Arthe army. Reports are current in Tokio, but not confirmed officially, that the Japanese have occupied Sakhalien.

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navel end. But this can be obliterated

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General Kuropatkin has been recalled, and knowledge of the internal troubles

Czar Welcomes Stoessel.

St. Petersburg, March 4. - General Stoessel, who was given an audience of the emperor yesterday and was invited the government is making to luncheon with him, was received by to the railway men and A large dinner was given in his honor last night after his return from Tear-skoe-Selo. No steps have been taken yet toward an investigation of the surrender of Port Arthur.

the government is making concess the ampeon with him, was received by his majesty with a warmth which went far to atome for the cool reception which he was given by several of the which he was given by several of the rife brigade, which left Odessa two rife brigade b

Cannon Roar on All Sides.

Mukden, March 4 .- The thunder of The Chinese are preparing to sow grain. no presents will be acepted.

Knows Nothing of Arid Land Grabs.

Troops Moving Slowly.

London, Feb. 28 .- The correspondent at St. Petersburg of the Times says that latest units ordered for service include some 25,000 men and 48 guns from thes, on being advised from Cincinnati Caucasian garrisons. They cannot that 00 barges and 50 coal boats, all Caucasian garrisons. They caunot reach Ggneral Kuropatkin before April, containing more or less coal, whre coming with the ice, despatched four tow at the earliest.

Prince of Wales to Visit India.

London, Feb. 28 .- It has been offi artillery is heard from all positions. Poutiloff and Novgorod hills are hidden by the smoke from the guns. The bombardments were resumed after the ing a tour of the principal cities and repulse of an infantry attack by the native states, receiving the chiefs and Japanese. A heavy bombardment is princes on behalf of King Edward, Japanese. A heavy bombardment is princes on behalf of King Edward, also in progress in the neighborhood of who, after consultation with the vicetics at Wireballen, Russian Poland, on opening an ordinary fruit box marked "oranges," which was found to contain 100 small bombs. Scores of similar the Shakhe river, apparently in pre-paration for an attack in that quarter. The weather continues fine and warm.

Deacons Await Their Prophet.

type of those used by the terrorists. Washington, March 4.—Replying to a resolution of the house, the secretary of the interior today gave the informa-tion that the general land office had no knowledge of the "surreptitious" ac-tion that the general land office had no knowledge of the "surreptitious" ac-Lugansk, Poland, March 2 .--- The sitnation is growing worse. men struck at the Hartmann works. quisition of land set apart for irrigation uses, as alleged by resolutions of the National Business league, of Chicago.

atkin. It is felt that the Japanese have him few years ago. The orange is a luxin a very precarious position, and one ury; the aromatic apple has become an in which it may be necessary for him absolute necessity.

again to order a general retreat. It is scognized that the Japanese movement at this time is prompted by a desire would compel the czar to sue for peace because of internal conditions in Rus-

Ice Tearing Things Loose.

Bombs Imported as Oranges

St. Petersburg, March 2 .--- Vast quan-tities of hand bombs are being imported

boxes have been coming in for weeks, and the authorities fear they are already

distributed. The bombs are not of the

More Strikes in Poland.

nech

ably

authori

Today 4,000

into Russia. The discovery was dentally made by the customs an

Chinese Food. A German epicure comes to the reo crush General Kuropatkin in the cue of the Chinese in regard to their selief that a Russian defeat at this time alleged habit of eating rotten eggs. The eggs, he says, are simply pre-served in lime until they get a con-

sistency like that of hard butter, and they taste somewhat like lobster. He declares them one of the choicest dell-

Louisville, March 2 .- Drifting with he ice, the steamer New South, one there are no better cooks in the world there are no better cooks in the world d the largest passenger and freight than the Chinese. When he went to oats on the Ohio, was today sighted at live among them his friends predicted The South Carrollton, Ky. A mile below Milton, he would starve, but he had a good Odessa two Ky., men finally succeeded in getting a time, and gained weight-more than line aboard and tying the boat up to the wanted to .- New York Tribune, the bank. The local harbor authori-

Soothed to Rest.

The story is told of a man whose wife had arranged an "authors' even-ing," and persuaded her reluctant husboats up the river. They will attempt band to remain at home and help her poselve the fifty guests who were asked to partuke of this intellectual feast. The first author was dull enough, but the second was still duller. The rooms vere intolerably warm, and on pre-

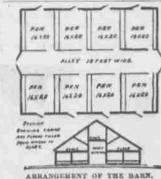
tense of letting in some cool air, the unfortunate bost escaped to the hall, should be well cleaned twice a day, where he found the footman comfort. Before breakfast they should be thorman's ear, "wake up, I say! You must have been listening at the keyhole!"

Hitchener's Way.

One of the London dailles tells the "On one occasion the Gov-Kitchoner. ernor of Natal wired to the Com. sble night's rest. ener's reply: 'I do not agree with either you or your ministers,-K.'*

driven through the center alley.

The space at each side of the slicy is divided up into separate pens by the feed racks and each pen has a sep arate window and door. This gives



denty of light and permits egress to ards outside. While this barn is only ten feet at the side, it gives ample storage for hay and a large amount of oom without any waste space. The ost will not exceed \$500.

Draft Colts on the Farm. Draft Colts on the Farm. Grooming is all important.

are he found the fournant settee. ily asleep on the carved oak settee. "Wake up?" he said, sternly, in the "Wake up?" he said, sternly, in the summer when the hair is short. After the day's work is done and the team ster has had his supper-the horses will be dry then-they should receive their second cleaning. Be sure to refollowing characteristic story of Lord move all the sweat and dirt and leave the horses in shape to take a comfort The manes and talls mander-in-chief, 'My ministers and myself consider we should be vouch-all things, do not cut off any of the anfed further news.' This was Kitch-

applied with a spray pump, and the application should be made in the spring. It aids in keeping off fungous diseases and insect pests.

How to Revive Meadows.

Where mendows show indications of failing, give an application of manure this winter, leaving it on the surface. In the spring apply fifty pounds of nitrate of soda, 100 pounds of sulphate of potash and 200 pounds of acidulated phosphate rock. This should be done in April, the bare places to be seeded with seeds of a variety of grasses. Keep the cattle off until the grass makes considerable growth.

Pin Feathers.

Do not expect eggs when the hens are moulting.

If the fowls be stinted in food they annot lay up material for eggs.

Aside from the question of eggs a varm quarters is a great saving of feed.

Chickens that are of a marketable size should be fattened now as soon as possible.

In having food constantly before fowls the great risk run is of baying them too fat.

Ten days after the hens are cooped up with a cockerel the eggs will hatch true to the mating.

From this on chicks cannot be expected to grow very rapidly unless particularly well housed and fed.

Kerosene on the roosts prevents lica on the fowls. An ounce of kerosene worth more than a pound of lice.

The purity of one bird is not im-proved for breeding purposes by being bred to another of a different breed.

Now is the time to store a good lot of dry earth. None is better than drained and dried peat or muck, and none