

# THE MARVELOUS PROGRESS OF THE Isthmian Canal

By EDWARD B. CLARK

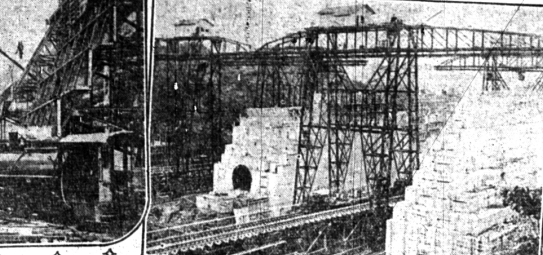
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RESIDENT Taft's word of hope that the Panama canal may be opened for traffic two years earlier than the time tentatively set by Chief Engineer George W. Goethals seems to have redirected the attention of the people to the marvelous (word used advisedly) progress of the isthmian venture since the time when it was finally definitely determined that a waterway was to be opened through Panama and not through its sister State, Nicaragua.

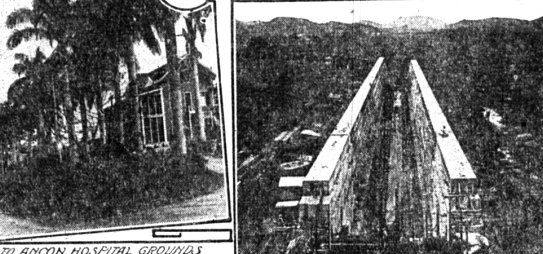
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COL. GOETHALS SPEAKING AT FOLIOTH OF JULY CELEBRATION



ENTRANCE TO ANCON HOSPITAL GROUNDS



GUIDE WALL OF FEDOR MIGUEL LOCKS

of the independence of Panama, an "over-night" proceeding which made it possible for the United States to enter into a treaty with the twelve-hour-old republic which could at once be put into effect. Former President Roosevelt recently has defended vigorously his action in the case of the recognition

States. It was one of the severest strokes ever given to public official. Probably the country does not know the inside story connected with the employment of army engineers to build the Panama canal. The engineers of the army at the outset thought that it should be given charge of the canal work, but influential civilians brought pressure to bear on the administration on behalf of engineers in civil life. It was said by certain civilians of prominence that the army was not accustomed to handling great business propositions and that no army engineer ever had done a work of anything like the magnitude of the one proposed. There were all sorts of attempts to belittle the engineering work of the army.

This sort of thing had its effect, although it is probable that it was with considerable reluctance that the administration disappointed the proper ambition of army engineers to be assigned to the work of canal building. When three civilian engineers, one after another, had given over the work, President Roosevelt and Secretary of War Taft concluded that the time had come to give the army a chance. In effect the president told the secretary that no army officer would desert his post, even by the resignation route, for discipline and incited will to do his duty would keep him at the digging until it was finished, or until failure had come. Moreover, it was known that no army officer would flee in the face of yellow fever in fear of death from any cause. Colonel George W. Goethals of the West Point class of 1880 was selected by the secretary of war to take up the work that the civilian engineers had dropped. Colonel Goethals is still at it and colonel chose at the outset as two chief assistants, Lieutenant Colonel David D. Galliard and William L. Sibert, who graduated from the military academy in the class of 1884. Since that time other army officers have been detailed in addition to the three who were first assigned, three who are still working and hope to be present at the opening of the Panama canal. Day and night he has labored, not with the assistance of writers, but personally, often with his own pen writing the speeches which have become chief part of the agitation which has resulted in unifying public sentiment in the United States in favor of the canal.

He stands here in his old age, one of the historic figures connected with this canal controversy. He may not be the man who began the agitation but for nearly a generation he has kept it up. No man has ever exhibited within our knowledge any such marvelous industry, energy and sagacity as he has put into the project for the Nicaragua canal. Day and night he has labored, not with the assistance of writers, but personally, often with his own pen writing the speeches which have become chief part of the agitation which has resulted in unifying public sentiment in the United States in favor of the canal.

It is perhaps useless to discuss the causes which led to the resignation of civilian engineers. All sorts of stories were told, from the fear of yellow fever to inability to maintain discipline in the working forces. It is probable that one engineer's case tangled for a long time with the trouble which was given him by Secretary of War Taft, who is now the president of the United

# REQUISITES FOR NEAT AND RAPID WORK AT KILING TIME

Method of Farmer Who Thoroughly Understands the Business—It Is Necessary to Have Good Scraper, Sticking Knife, Hog Hook and Convenient Place to Labor In.

HOW ROBERT ROGERS, MINISTER OF THE INTERIOR, IN WINNEPEG ADDRESS, ISSUES WELCOME OF AMERICANS TO WESTERN CANADA.

(By W. HANSON, Illinois.)  
In order to get rapid work at hog-killing time, it is necessary to have a good scraper, sticking knife, a hog hook and a place that is convenient for working.

For scalding, a barrel is commonly used, and it is all that is needed unless the hogs are very large. If very large hogs are killed, a scalding tub will answer the purpose for scalding much better than a barrel.

I have one which is made of two pieces of sheet iron, one on each side and sheet iron for the bottom. It is six feet long and three and one-half feet wide, with a depth of two, and one-half feet.

Two hooks are fastened near the top on one side, with a pair of track chains to run under the hog, to facilitate the turning and withdrawing from the tub.

It is placed over a furnace, which is made by digging a trench in the ground and when in place, a few pieces of wood across the bottom, in order to keep the hog from coming in contact with the iron bottom and getting too hot.

I find that the proper temperature for good scalding is from 150 to 170 degrees, and if a barrel is to be used, the water should be boiled, which is dipped out of the kettle, as the barrel will cool it some.

If a scalding tub is used, the water should be cooled by dipping a bucket of cold water before the hog is put in. To insure a correct heat of the water, use a thermometer. Small quantities of boiling water will have no effect in removing the hair, but will cause the scurf to come loose more readily.

Hog hook is almost indispensable, and if one is to be made it should be made in the form of a bay or bale hook. In fact, I find that a bay hook answers the purpose better.

In handling the hog, stick the hook in the flesh of the lower jaw, just behind the fork of the jaw bone. However, the hook may be stuck under the tendons of the hind legs.

Keep the hog in constant motion while being scalded, and draw it out to see occasionally. When the hair and scurf slip easily from the body the scalding is completed.

In scraping and cleaning the hog, I cut the feet and hang near them the legs, and last but not least, the body.

I hang the hog with a rope and pulley, as it is more easily hung in this way than any other. But it may be hung with the ordinary gambrel, a stick which is sharpened at each end and inserted under the tendon strings of the hind legs.

A short stinger will be found to answer for a gambrel-stick. If there is sufficient help at hand, the hog may be hung on a pole put up for the purpose.

After the hog is hung up, raise it down with scalding water, remove the entrails by running a sharp knife slightly down, marking the belly straight, cutting to the bone between the thighs and in front of the ribs, which bones I split, with an ax, being careful not to cut beyond them.

Open the abdomen, and spread out the knife one will seldom cut the entrails in removing them. However, I have a few short strings at hand to use in case any of the entrails are cut.

After removing the entrails, liver and heart, spread the carcass apart with a stick and rinse it down with cold water. When cooled sufficiently, remove the leaf fat and kidneys and cut out the lungs.

I usually salt down on a bench or in a box as soon as it has cooled enough to trim, but I never put into a scald or running water, as the water will cool and washes off the weather's skin.

During the course of a reply to an address presented to Hon. Robert Rogers, the newly appointed Minister of the Interior of Canada at a banquet given at Winnipeg in his honor that gentleman spoke on immigration. The tone of his remarks was that he intended to pursue an aggressive and forward policy in the matter of immigration. In part, he said:

The most important branch perhaps of that department (interior) is that of immigration.

There is anything more than another other we want here. It is a greater population, and it shall be my duty to present to the people in all parts of the world who desire emigration, that we intend to be found the advantages and the great possibilities of this country. We have received in the past a reasonably large immigration from some of the international boundary, and in this connection let me say just a word for our American cousins who have found happy homes among us, and whom we hope to welcome in greater numbers in the years to come. There are hundreds of thousands of them in our prairie provinces, happy in the enjoyment of a freedom as great as they ever knew, and all contributing in a material way towards the development of Canada. We are not blind to their value as settlers. They come better equipped with scientific farming knowledge than most of our emigrants, and constitute without doubt the wealthiest class of emigrants any new country has ever known. As hence of the immigration department will be my privilege to offer them a welcome hearty and sincere, and to so contribute to their welfare that a degree of the protecting folds of the Union Jack they will enjoy as great a degree of liberty and happiness as under the Stars and Stripes. The border government cherishes nothing but the kindest feelings for the people of the great republic to the south, and will do all in its power to increase the happiness and kinship and neighborly good feeling that has so long existed.

(Hear, hear.)

When I adopt a vigorous emigration policy in this country, we will also adopt the same vigorous policy in other parts of the world. We will go to England, Ireland and Scotland, and to other countries of the world, and we will do all in its power to increase the happiness and kinship and neighborly good feeling that has so long existed.

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A DIFFERENCE

bottom, thus carrying out the stale water and sediment that have accumulated below.

The cistern should be built in the ordinary way and cemented fully to the top. The conductor pipes should be of iron, and extend down to the level of the water in the cistern.

It will readily be seen that as soon as the water rises above the drain it will begin by force of gravity to flow from the bottom up through the galvanized tube and leave the cistern from the top, thus sucking out the foul water and sediment from below and leaving the clean, fresh water at the top.

I invented this device and have been in operation for seventeen years. The water has always remained pure and sweet, and without any attention whatever was given to it.

Unique Selling Plans.

A Lone Island Gardner has been shipping his famous bottled vegetables to New York families. A uniform price of \$1.50 a hamper (holding more than a bushel) is charged the express company. He has been successful, although used on a small scale.

A New England gardener has built up a fine trade in supplying consumers in several cities. Deliveries are made by wagon. His produce is supplied regularly and printed matter is distributed soliciting further trade. His business is well organized and this gardener is a success. He says, "I now have more business than I can handle."

Avoid Relationship.

In breeding turkeys, relationship should be avoided. If the cock bird has considerable wild blood in him, the offspring will be stronger. When a cock bird is mated after a few years the young will be liable to have crooked breasts and other deformities.

Best Draught Horses.

An experiment station says that the closer a draught horse is to the ground the better both for service and endurance.

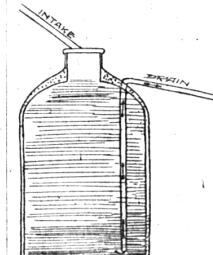
Dr. Pierce's Pleasant Pellets cure constipation. Constipation is the cause of many of the ailments of old people and of the disease. Easy to take.

Some girls would lose out, even if very young was a leap year.

## CISTERN THAT CLEANS ITSELF

Method Is Shown in Illustration That Carries Off Refuse Settling at the Bottom.

Cisterns are usually made of brick and cement and are built in the form of a jug. The water is let in at the top by conductors from the eave troughs of the roof of the house or barn. The dirt, dust, leaves and other foreign matter on the roof and in the trough are washed into the cistern, writes Dr. J. A. Wickland in the Wisconsin Farmer. This settles to the bottom.



Self-Cleaning Cistern.

making a heavy deposit of slime and dirt, and the water, which is always drawn from the bottom by the pump, comes up dirty and foul smelling. If the cistern is built as the illustration represents, it will clean itself by overflowing from the top.

## GUARD AGAINST WASTE IN FEED

Farmer Must Systematize Feeding That Good Forage Is Not Refused by Cattle.

Feed has grown to be so high priced that wasting it seems like squandering gold; yet the careless feeder wastes an enormous amount of feed every winter when a little watchfulness and sound judgment would save it.

When the cattle are fed a tempting grain load before or at the same time they are given their forage ration they invariably become somewhat dainty as to what they eat, picking out but the best of the roughage and refusing the rest.

When this habit is once formed stock will often go hungry rather than eat what has been pitched over the fence. Sure, then, it is a waste of money to put out feed that is not eaten.

## Euclid

Mr. Euclid was one of the deep thinkers of the olden days. He invented geometry, but never made much money out of it.

Geometry is a fascinating study, wherein you draw a circle and put in the letters A, B, C and D, here and there, and announce that you have demonstrated the theorem.

When Mr. Euclid began getting up money he simply whittled away his time on squares, triangles and parallelograms. He could speak familiarly of hypotenuses, octagons and circles.

Were he alive today he could do much better with his science. A congressional committee would be appointed to investigate the allegations

that the square of the hypotenuse is equal to the sum of the squares of the other two sides. With Mr. Euclid as an expert witness and a keen lawyer for the government, a test case of excitement could be evoked, which would culminate in Mr. Euclid running for president on a geometrical ticket.

It is thought that Mr. Euclid first awakened to the possibilities of geometry by observing how many places could be made of a boarding house.

True to His Oath.

Magistrate—Now, can you describe the horse in question? How big was it, for instance?

Witness—It was sixteen feet, 'y' honor.

Magistrate—Come, come! Remember you are under oath! Don't you mean sixteen hands?

Witness—Indeed, thin, it was hands I meant; and I do say feet, 'y' honor! Ah, well, 'm' on my oath, we'll let it be sixteen feet, 'y' honor.—Punch.