Draining A Delta.

Louisiana to Reclaim 9,000.000 Acres of Mississippi River Land's.

NO. 28

(Christian Science Monitor)

There are astonishing, even astoundling facts connected with the Mississippi River that are utterly unknown to the average American. This statement is made pertinent at present by the announcement that the state of Louisiana is now ready to begin work upon the reclamation of the Mississippi delta, which will represent an ultimate outlay of \$200,000,000.

The Mississippi discharges annually into the Gulf of Mexico 21,000,000,000, 000 cubic feet of water, and then deposits no less than 400,000,000 tons of solid matter silt from the imperial valley which it drains. This, of course, is spread by the gulf currents over a wide area, an area much wider than was the case before James B. Eads constructed the jetties at the river's mouth, or ages before and for decades since the Mississippi has been constructing its delta, or extending it farther and farther out into the gulf. As the new land is formed it is either naturally or artificially leveed and the river maintains its passage sometimes mere bayous, sometimes wide passes with numerous branches. sometimes channels deer enough to float the largest merchantman or battle-

Within the zone of the delta there are now estimated to be subject to reclamation more than 9,000,000 acres of the richest land in the world. It is proposed to cut this area up into units of from 5,000 to 10,000 acres. The drainage is to be accomplished after the manner common to the lower Mississippi valley. First, a canal is cut, the dredgings being used to form an embankment, or levee. This not only keeps all water out, but prevents the water inside from escaping. Powerful pumps, however are put to work, and soon the interior is practically dry land, but low enough to be easily irrigated from the canals by gravity streams. Moreover, the canals are to be navigable, thus affording easy and cheap cummunication between the plantations and the gulf and river.

The possibilities of this great tract are not unknown. They can be estimated very closely. Based upon what such rich soil ought to yield, the returns will be enormous. The crops raised, presumably will be mostly of sugar, rice, cotton, and corn, but the delta should become also one of the most wonderful vegetable and fruit gardens in the world The state of Louisiana is assuming full cost, controlland responsibility for the reclamation of the land, and the expectationdthat it will prove to be one of its greatest assets bids fair to be fully raeled in a peaceful death after more bezin

Brought Up on the Bottle

An Irish doctor, while enjoying holiday in the country, took the opportunity along with a friend to go fishing. During operations the doctor's sinker came off and was lost. He was in a dilemma-no sinker, no more fishing that day. Happy thought; he had a bottle in his pocket. The bottle was filled with water, carefully corled, and sent down on its mission.

After a few minutes interval the doctor had a bite and pulled at his line at racing speed, finding a fine pair of ssh, one on each hook.

"Ho! doctor, twins this time!" exclaimed his companion.

"Yes," quoth the doctor, "an brought up on the bottle, tod !!

ACHING THE STOMACH Billous Headache, Singgish Liver, In-

"Dr. Hamilton's Pills Cured."

digestion and Stomach Disorders.

"From using a cheap remedy recommended by an unscrupulous druggist, my condition was made much worse, writes Miss Minerva E. Michie, daughter of a well-known citizen of Port-land. "I suffered so terribly with in-digistion and biliousness that the very sight of food made me shudder. It was two years ago my hearth began to fail. At first I had constipation, liver sluggishness and occasional bedances. sluggishness, and occasional headaches. My appetite was variable—I wanted too many sweets-then I lost all desire to stomach, attacks of dizziness, pains between the shoulders, stifling pleeling after meals, and felt I wasn't going to recover and less list and less list

The moment I used Dr. Hamilton's few pills my chest and back were raheyed of pain, and my head felt clear and no longer was full of blood and ruching noises. I kept on using Dr. Hamilton's Pills and slowly but surely my appetite returned and I gradu-ally regulineam strength. color, and spirits. To-day I am as well as ever and artificite my present splendid condition leftirely to Dr. Hamilton's Phis."

Stypin are triubled like Miss Michie was (and most people occasionally are)



HERE are few improvements possible which do more to make farm life pleasant than an ice be convenient for working. Its stored blocks not only make it possible for the farmer to increase his profits by improving the

It is so easy and inexpensive to have an abundant supply of ice all summer that it is really surprising that every farm is not provided with an ice struction on the farm has been foll lowed by the erection of such build and Canada, and it is the purpose o this article to give some suggestions which may help those who have not yet built to plan their ide houses.

Concrete, being bindestructible and not easily penetrated by heat or cold, is a splendid material for the walls. It has the added advantage of being comparatively cheap, since sand, stone, el and water are usually available

done by the farmer or his assistants, at seasons of the year when spare time is plen-Moreover. concrete walls are not affected by the dampness and do not rot like wood. The saving in painting and repairing, to say nothing of superior ice-keeping qualities, in a few vears amounts to more mothansid the concrete building.

Location, to strag Ji dates of solet das was producted as a fact of the contract of where the buildtopswheeds and indica hained by an unrife from derground line of drain tile. If possible it should be placed where the strandous dereshinged structures, will no heatuributhes midwork of

day sungaied noitaxinay bedmade of a Route W fand cement, clean crushedta rock anorido

clean succeeding day the wires are cut and bank-run gravel may be used.

Naturally, the size of the ice-house will adepend before the number of pounds needed daily and the number of days ice will be used. A cubic foot of ice weighs about 57 pounds, and a ton withdolfoperscent allowance for seams between the cakes, oc-cupies 38 cubic feet. It is not neces-sary to pack the ice between the cakes, but on the floor, around the sides of the building and on the top of the ice there should be placed 12 inches of sawdust, well rammed. An 18-inch thickness of prairie or marsh hay may be used instead of the saw-dust, provided it is well weighted down on top of the ice. Making allowance for sawdust packing and 8inch concrete watts, a house 10 feet square (inside measurement) and 8 feet to the eaves, will hold 10 tons.

ASQUITH SILENCED BY A that of que bevMILITANT TACTICS

Tandon, Nov. 29-In pursuance of their recently revived policy of militant tactice, suffragettes invaded the City Temple to-night and by noisy interruptions prevented Premier Asquith from deliverin, a speech on settlement efforts to g et a hearing, left the church

in disgust. The trouble began as soon as Mr. Asquith mount ed the rostrum. Scores of women who had gained admission to the famous nonconformist church greeted him with cries of "Votes for women." One of their number chained herself to a pillar and was removed only after a violent struggle, during which the audience was in an uproar.

James Ramsay MacDonald, the labor leader, who spoke after M.r. Asquith had left, described the scenle as an insult to the prime minister, and a degradation to English public life.

It takes a wise woman to transform

The materials may be hauled to the site at odd times, and piled so as to

The wooden forms for the concrete may be either fixed or movable. Fixed maket value of his dairy products, but also, to enjoy the comforts of a the other with an 8-inch space behome supply of ice. the bottom by timbers called "liners," and should be well braced. To save lifting the concrete, the outside boards and walls have reached their full may be nailed on as the concrete is placed in the forms. Movable forms require less bimber than the fixed variety. Such forms are built in sections 2 to 4 feet high and in lengths to a feet high and in lengths convenient to handle, usually 8 to 10 feet. The 2 by 4 inch uprights are the bottom by timbers called "liners," feet. The 2 by 4 inch uprights are

on the farm, and the work can be previous day's concrete work. Each the foot in the direction of the drain

end walls, place a door frame (21/2 by 6 feet clear) within the forms. Brace it well so that the concrete will not bulge it out of shape. Place the con-crete in layers 6 to 8 inches thick carried around the entire building. in the concrete walls of each gable end set a frame for ventilating doors (21/2 by 21/2 feet) in the same way as the large door frame was placed

As the forms are filled, at intervals are made of 2 by 4 inch studding of 18 inches, imbed bent iron rods or spaced two feet and sheathed next to twisted wire in the concrete around the concrete wall with 1 inch siding. the corners of the building. Likewise The forms should be held in place at put two %-inch rods or an old wagon

spaced three to four feet. Cross-cleats After the building is a week old, the at the top are provided to keep the forms may be removed and the forms eight inches apart. Near the concrete floor built directly on the After the building is a week old, the ottom twisted wire ties are used to ground. Begin at the back of the draw the farms up tightly against the building and slope the floor 's inch to

> tile at the door. Lay the last few sewer pipes of the 5-inch drain with well - cemented joints and include a tile known as a "trap," having a bend which always contains The water acts as a seal to keep out the warm air in the floor end of the drain with a trash strainer.

slots or grooves and provide a door

the same time keep out the rain. Stores the was previous ly instructed.

On an air-tight, heat-proof build-On good drainage, with the drain "trapped" to keep out warm air; On careful and thorough packing of the ice; On well regulated ventilation in the

roof space over the ice.

A well-built concrete ice-house fulfills these conditions. Every year it is ready for use without repairs. And by means of ice, farm life can not only be made more comfortable and at-tractive, but fruit, poultry and dairy products can be marketed to better

For an ice-house 10 by 10 feet, 8 feet to the eaves and 13 feet to the roof peak, with 8-inch walls, 4-inch floor, and a foundation 10 inches by 3 feet, the following materials will be required for the concrete.

Crushed rock, 15 cubic yards.

Sand, 7½ cubic yards.

Portland cement, 21 barrels, and 18 ½ by 8-inch round head bolts.

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Parisian Sage

WHAT HELD EM UP.

In a certain "boom" town of the West there were two builders, of a type too familiar, indeed, everywhere, who were said to be the most extraorditary

the forms raised. oH

The sheathing and rafters for the wooden roof may be used in the forms. It is not necessary to cut

them; their ends may simply be al-

owed to project beyond and above

10 inches wide along the lines laid out for the building and should be carried down to solid ground and below frost, usually three to four feet. Bring a

drain tile up within the building lines to the point where the door will be

Mrs. Catharine .guiriMnson, widow

In mixing the zeoncrete Wantight

wooden platform should be used. The proportions are one part Portland cement to 2 1/2 parts sand to 5 parts

crushed rock or one part cement may be used to 5 parts bank run

gravel. In measuring, count one bag of cement equal to one cubic foot.

Foundation trenches should be dug

One day, when the two met and fell to talking of their respective ventures,

"Bill, you always did have better luck than I. Look at my last lot of buildings-collapsed before they were finished. That wind that put them out didn't seem to harm yours. Yet both your houses and mine were built the same - same materials, same work-

"That's true enough," replied the other builder, "but you forget one thing -my houses had been papered."

nce here yesterday with Walter Drew ounsel for the National Erectors' As

no medicine will do you so much last- a "good fellow" into a model husband. quickly stops coughs. cures colds. he.'ls and guaranteed by E. W. Mair.

War On Leprosy By Freezing Process

Dr. Ralph Bernstein, dematologist of the Hahnemann, hospital and Medical college, a world-wide authority on skin diseases and a cancer specialist, commenting on the discovery of two cases of leprosy here, has declared that he could conquer the diseases by freezing with solidified carbon dioxide, says the New York Herald. This is the method he has successfully used in treating epithelioma or skin cancer. The solution placed on the skin causes the cells to expand and nature then breaks them down and carries them away.

"Leprosy can only be contracted through the medium of an open wound," said Dr. Bernstein. "Even this is doubtful, for it has been tried scientifically to produce the disease itself by direct inoculation of the germs in the healthy human living tissue, and it has been absolutely unsuccessful.

"I have come to learn that we need not fear an epidemic of leprosy. It is to be borne in mind that those who have fed and usually live under poor hygienic conditions, and that it rarely attacks those whose surroundings are hy-

"My method is to apply modified, solidified carbon dioxide to the infected portion, which causes an intense freezing of the part, producing what the physician would call thrombosis of the various vessels, which means, in other words, the cutting off of the supply or nourishment of the infected part, and in this wav causing its gradual absorption, leaving in its place a smooth, searless area with a normal skin covering.

"The freezing substance is applied some 120 degrees below zero. It is practically painless, and I have great hopes that it will in the near future be universally used as a cure for leprosy-

"If you take a bottle of water and place it out of doors on a cold night the low temperature will cause the water to expand and break the bottle. Wellit is the same in treatment of leprosy. By applying dioxide, the temperature of which is, as I said, 120 degrees below zero, the cells will expand and become ruptured, thus riding the patient of the decease.

cancer, which is similar to that advanced for curing leprosy, was loudly ap-Congress of Surgeons, who witnessed his removal of a cancer that gave indic. freezing method. The visiting surgeons are unanimous in their opinion that w ders will be worked if the learnsy method suggested by Dr. Bernstein is apside, so they may plied wherever the discease appears

Harry M. Blair, secretary of the board of works, announced this morning that Hon. John Morrissy, chief commissioner of public works, has awarded the contract for the construction of the Durham Bridge retaining wall on Nashwaak River to Messrs, Robert and Charles Forbes, of the parish of Marys. The contract price is in vicinity of \$2,800.

FOR FAMILY

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"Alleviates chest soreness. "Stops coughing instantly.

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Has proven itself a cure for weak lungs, loss of voice, speakers' sort kroaty asthma, bronchitis, catarri, coughs, colds, and Winter ills."

for children and old folks; it makes an ideal family remedy. Recommen ed by the medical profession, and so Giroux Manufacturing Co., Fort Erie, tations, get "Catachozone" only; large Ont. See that the Girl with the Aussize lasts two months, and is guaranteen. Sold face price 31. Smaller sizes 25c and 50c. By mail from the Catarrhozone 11. Company, Kingston, Ont,