

The process must take place beneath a water cover, preferably stagnant, or in the presence of sufficient moisture to prevent the vegetal matter from forming merely vegetable mold or humus. In some cases all of the tender and delicate structures have disappeared, leaving only the most indestructible debris, such as the grains or lumps of resin left by the completely decayed wood of certain conifers, fragments of hard and resistant cuticles, tough and oily seed coats, and gummy spore envelopes. On the other hand, much of the accumulated material may have decayed relatively little, and the vegetal mass composing the main substance of the coal may consist largely of wood, or, rarely, it may contain tender and delicate tissues of miscellaneous types, including fungi and possibly even algae.

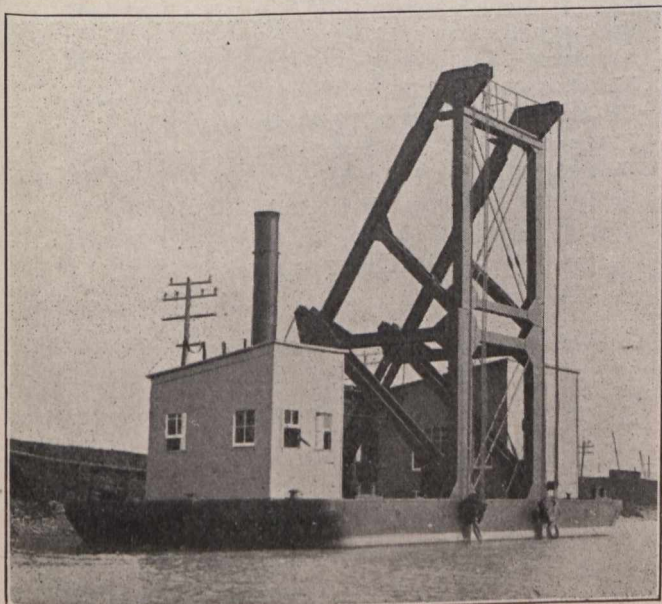
NIPISSING.

Nipissing Mines Co. has declared regular quarterly dividend of 5% payable October 20 to stock of record, September 30. Books close September 30 and re-open October 19. This dividend coincides with the payment made three months ago when the extra of 2½% was omitted. At that time property conditions for a time were not up to normal, and it was decided to eliminate the extra payment. That it was a temporary mine condition, however, was demonstrated by an improvement in earnings which almost immediately set in. The company's cash position during the past quarter has improved slightly. The statement follows:—

	Sept. 8.	June 8.
Cash	\$730,149	\$865,318
Bullion	126,949	250,140
Ore in transit and on hand	507,831	210,412
Total	\$1,364,929	\$1,325,870

LOCK GATE LIFTER FOR TRENT CANAL.

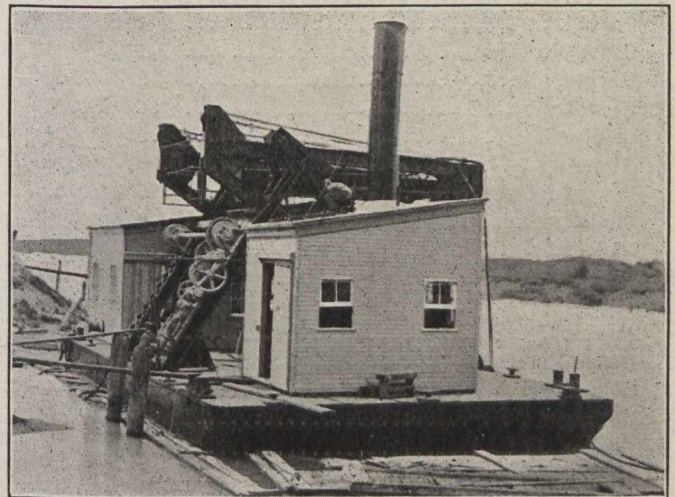
The accompanying illustrations show the steel pontoon lock gate lifter that was recently built for the Department of Railways and Canals, for service on the Trent canal, by M. Beatty & Sons, Ltd., of Wel-land. It was designed and built to lift and place into



Gate Lifter with Derrick Raised

position the lock gates, and its capacity of 50 tons and clearance of 37 ft. above the deck, will enable it to step any of the mitred gates throughout the entire length of the Trent canal. It has a structural steel collapsible derrick, mounted on a steel pontoon, with separate steam engines for each operation.

The derrick is built of structural steel in two units. When in working position the derrick is erect as shown in cut No. 1. In transporting the lifter from one lock to another, the upper part of the derrick is lowered



Gate Lifter with Upper Part of Derrick Lowered

where necessary, as per illustration No. 2, which allows of its passage under overhead bridges along the canal. The operation of raising and lowering the derrick is performed by a 6 by 6 double cylinder engine mounted on one of the back legs.

The pontoon is kept on an even keel by two movable ballast cars under deck.

SETTLEMENT OF COLORADO STRIKE.

Washington, Sept. 15.

President Wilson was notified to-day that the United Mine Workers of America had accepted the tentative basis for the settlement of the Colorado strike submitted by the President last week. The terms accepted by the miners, and also placed before the Colorado operators by President Wilson provide, in brief, as follows:

A three-year truce.

The appointment of a grievance committee by the President.

Open-shop conditions.

Re-employment of strikers not found guilty of crime during the strike.

Withdrawal of the Federal troops.

In a letter to the President, the executive officers of the Mine Workers said their acceptance was, of course, conditioned upon action by the convention of the Colorado branch of the organization now meeting at Trinidad.

The heads of the mine companies involved have notified the President that they are carefully considering the matter.