

of civil engineering in the country will be completed. More than 1,290 feet of the tunnel proper is now ready for trains on the Michigan side, and 900 on the Canadian."

"The tunnel itself is over 6,000 feet long, so that the entire length will be more than two miles. Of this distance 2,310 feet are under the river, 2,390 feet on the Michigan land side, and 2,100 feet on the Canadian. The grade is 1 foot in every 50, except under the river bottom, where it is substantially level. It is an iron cylinder tunnel—the only one of the kind in the country. There is neither brick nor stone used in its construction. Neither are there any stays or supports, simply a mammoth iron tube, built in sections underground. It is designed for a single track.

"The method of construction is simple. A great cylinder, weighing more than 60 tons, 20 feet in diameter and 16 feet long, is driven into the blue clay, which constitutes the entire bottom of the river, by the use of hydraulic power, with as much ease as cakes of soap can be carved out of a general mass. Inside this cylinder, which is called a shield, twenty-two men are at work removing the dirt. As fast as the shield is pushed forward, which is about 2 feet at a time, the clay thus brought inside the shield is dug out to the edge of the great cylinder. Then the hydraulic jacks are again started, and slowly but irresistibly the immense iron tube moves another 2 feet into the solid earth ahead of it."

HON. MR. ABBOTT—My hon. friend communicates to me that if the Government will do what I suggested a moment ago—that is, if they will cause an estimate to be made of the cost of this metallic subway across the Straits by competent persons, he will be satisfied. I have no hesitation in repeating what I said before, that the Government will have great pleasure, if the House desires it, in having such an estimate made and submitted to Parliament as soon as possible.

HON. MR. HOWLAN—In that case I am willing to withdraw my motion, relying on my hon. friend's assurance that he will cause the promised information to be furnished.

HON. MR. POWER—I am generally reasonable, and I am not disposed to be unreasonable now. The amendment which I moved was a reasonable one. If the enquiry that I spoke of has been already made, it will not be necessary to make it over again. If the information is to be submitted to us, that is all we need. It may be that some scheme such as that indicated by the hon. member from Shediac may be found satisfactory. I like very much to listen to the eloquence of the hon. members from Prince Edward Island, but rather than have them go to such trouble every Session I think it would be well to have a thorough enquiry made once for all to cover the whole ground. The Government have a great deal of the information,

or most of it, in their possession already, and I think it would be well to let us have the whole of it.

HON. MR. ABBOTT—The hon. gentleman's motion has this defect: it assumes that the Government have not already made an investigation. Of course, it is impossible that the House can vote for a resolution like that while they believe that the Government has already made an investigation, the result of which they are prepared to furnish. If anyone wishes to ascertain a particular fact, or any number of facts which the Government have in their possession in consequence of having made this investigation, the information will be furnished, and the particular fact which my hon. friend from Alberton wishes to get is the probable cost of this tunnel. That I can furnish within a moderate time, but of course I would not be disposed to favor a motion that would imply that the Government has not done all in its power to accomplish what my hon. friend's motion asks them to do.

HON. MR. POWER—I suppose, as my hon. friend from Alberton has agreed to withdraw his motion, mine would naturally go with it, and as I have a reasonable amount of confidence that the Government will do what they promised to do, I ask leave to withdraw my amendment.

The motion and amendment were withdrawn.

BILL INTRODUCED.

Bill (AA) "An Act to amend the Canada Temperance Act." (Mr. Dickey.)

THE WALKER DIVORCE BILL.

THIRD READING.

HON. MR. SANFORD moved the third reading of Bill (N) "An Act for the relief of Emily Walker."

The Senate divided on the motion, which was agreed to by the following vote:—

CONTENTS :

Hon. Messrs.

Abbott,	MacInnes (Burlington),
Boyd,	Merner,
Cochrane,	Odell,
Dickey,	Ogilvie,
Glazier,	Perley,
Haythorne,	Read (Quinté),