British market, would quickly develop a production that would of the cost of water gas. Professor Love, as stated in the supply the mother country's import requirements several times report of the judges of the Novelties Exhibition, claims 80,000 over. In return the colonies to admit British manufactures at cubic feet of gas from a ton of anthracite at a cost of 10c. half the duties imposed upon foreign; it being admitted that per 1,000. This would make the total cost of the gas from a customs duties they must have in order to raise a revenue, ton of coal \$8 instead of \$1.80. Of this \$1.80, 50c, was for There would be a commercial union for you that would coal culm, and \$1.30 for other expenses. Assuming that the guarantee the permanent coherence of the Empire, and be the expenses are the same when anthracite coal is used as when wonder of the world. If anybody has anything better to projecular is used, the coal in Mr. Lowe's figures would cost \$6.70. pose let us hear it.

WATER GAS AS FUEL

THE fact has been widely published that, since natural gas came into such extensive use in Pittsburg, a number of large manufacturing companies have either already removed to that wonderful hive of industry or have determined to do so at an of many millions of tons per annum, and something like a | much to be preferred to solid fuel." revolution in the iron and glass trades is even now going on. The question, "How long will this big rush of natural gas last?" is already debated with keen interest; and a very practical question it is, to be sure.

What we hear quite recently from Scranton (Pennsylvania), however, is not as yet so generally known. The Scranton district is finding its fortune, not in natural gas, but in the immense heaps of waste coal, the accumulations of many years, around the mines Recent inventions, it is said, render it possible to make use of all this waste or refuse, heretofore so called, thus making the cost of fuel merely nominal, as stated in a despatch which will be found on another page, under the heading of "Iron and Machinery." 'Two large iron establishments will remove there, owing to the powerful inducement! of cheap fuel, and others will doubtless follow. The despatch tells further of the great revival in Pennsylvania's iron industries now going on, and will be found interesting reading.

The Scranton Board of Trade has issued a report on "Pow pression on people who have a turn for looking ahead. The where the summers are too short for wheat. There is, how wherever coal for its production is available. Mr. J. A. are disposed to encourage the industry in the North-west. Price, the president of the Scranton Board of Trade, the author of the report, estimates the amount of culm produced leading Belfast manufacturers are disposed to encourage the since the opening of the anthracite region, and now lying production of flax in the Canadian North-west. But we subabove ground, at 40,000,000 tons, of which one half, or mu that it would be still more satisfactory could we so manage 20,000,000 tons, has been wasted by the weather, used in things as to have the flux manufactured at home. And, by filling and grading and fired in the culm bank. leaving the way, it might be a good plan for the people of the North duce 100,000 cubic feet of water gas, this culm will produce its production, as one of the possibilities of the future for that 2,000,000,000,000 cubic feet of gas.

Price, is as follows:-

One ton waste at producer	\$.50
Labor handling same per ton	
Expenses of plant per ton	1.00
100 000 mbie foot une	81.80

or less than 2c. per 1,000 cubic feet.

This is regarded by the American Manufacturer as certainly an astonishingly low figure, much below the usual estimates Parliament should put them on at the first opportunity.

Our Pittsburg contemporary further says; -"That water gas will eventually play an important part as a fuel gas we have not the least question. That the best method for its production, or that the gas now made is the best for some pur poses, say iron-making, may be questioned. There are diffi culties in its manufacture, there are objections to its use in furnaces in which it comes in contact with iron, but these will early day. Natural gas is there displacing coal to the extent be overcome, and even now for many purposes water gas is

FLAX EXPORT OR MANUFACTURE.

THE Montreal Gazette observes that Imperial Federation lays much stress on a paper, read by Mr. E. B. Biggar, in the Conference Hall of the Colonial Exhibition, on the raising of flax in Capada. Hitherto the factories of the United Kingdom have been mainly supplied with that material by Russia, but if flax and tow can, as Mr. Biggar urges, be grown in Canada, of excellent quality and in sufficiency to meet all needs, there is certainly no reason why Russia should have the preference. The statements made by Mr. Biggar were, moreover, confirmed by the speakers who followed him, some of whom had large experience in the agricultural industry in question. The fibre of the flax grown in Manitoba and the North-west is said to be superior to that of Ontario. And yet the latter, of which 1,000 tons were exported to Belfast during the present year. was pronounced by trained judges to be superior to the Russian article. Some agriculturalists held that flax is more profitable dered Anthracite and Gas Fuel," which is making a great im than wheat for breaking up virgin soil, and that it will flourish idea advanced is to utilize the mountains of anthracite dust or ever, ample room in the North-west for the raising of both "culm" lying around the mines for the production of water- crops to any extent that the European demand can require. gas, which is by some looked upon as the fuel of the future, It is satisfactory to learn that leading Belfast manufacturers

It may be satisfactory to learn that, as the Gazette says, 20,000,000 tons available. Estimating that a ton will profixest to keep their eyes on the manufacture of that, as well as vast region. No matter what some people may say, authorities The cost of the production of this gas, as given by Mr both scientific and practical are agreed that flax is exhausting to the soil, and that it must have a strong soil to grow in. But the prairie soil of the North west is of exceptional strength and endurance under crop, that of Manitoba in particular. We suggest, therefore, that it would pay the people of that Province, first of all, to give special attention to the flax crop, and to try what they can do in the manufacture of the fibre too. If higher duties on flax goods be required, the Dominion