

That establishes beyond doubt the cheapness of acetylene light as compared with the others.

Three remains the question of

THE CHOICE OF AN APPARATUS.

The apparatus for generating acetylene may be divided into two classes :—

First—those which produce acetylene in a gaseous form ; second—those which produce acetylene in a liquid form.

We shall not discuss the latter, because they are absolutely rejected by insurance companies, acetylene in liquid form being a dangerous and explosive product.

As regards the apparatus of the first class, they may be subdivided into two groups, namely, those which give the gas at a pressure a little greater than that of the atmosphere, and those which furnish it at a high pressure.

Compressed acetylene is not dangerous like liquid acetylene ; but if the pressure to which it is submitted exceeds that of two atmospheres, the gas thus compressed becomes, in certain conditions, explosive, and therefore presents in its handling inconveniences that may be completely avoided by employing an apparatus which produces the gas at a low pressure.

A low pressure apparatus affords all the guarantees desirable, from the point of view of safety, and it is an apparatus of that description which the Canadian Acetylene Company has selected. The company might have chosen an apparatus still less expensive than the one it offers for sale, but which would have been just as unsafe as it would be cheap. And the company has no desire to deceive the public. The apparatus which it offers for sale is one really scientific in design, and which will meet all the requirements of continual daily use,