

Equipment.

The equipment in our department was allowed to run down during the war as we were unable to get competent help. Much of the equipment was over twenty years old and was none too good in 1914. Our instruction suffered also due to the fact that we had no room for new apparatus. All the apparatus used for internal combustion work was housed in a lean-to against the Mining Building. This was difficult of access and a most unattractive place in which to work. The pressure on the boilers had been reduced by the boiler inspector to seventy pounds per square inch where originally it had been one hundred and twenty-five pounds per sq.in.

We were fortunate, after the war, to get a very efficient man as laboratory engineer. We repaired, properly, such of the apparatus that was worth saving and scrapped the rest. We endeavored to carry-on with what we had, augmented by some new machinery that we simply had to have until it was decided to do away with the pattern-shop, foundry and smith shops.

The Mechanical Engineering Department was given a portion of the space vacated by these and an up-to-date well equipped internal combustion laboratory was installed. This marked the great advance made in the material equipment of the Department during the period of years covered. Later, all the antiquated apparatus in our boiler-room was removed and a new 385 pound B. & W. boiler was installed, complete, with pumps and accessories. At the present time therefore, we have examples, in good running order, of most of the apparatus used in the production