may be obtained from the Chemical course of our Colleges. He prepared the pupil
should be allowed the use of instruments of the Analytical Laboratory and under the
immediate inspection of the Professor be taught fully the various methods of
analyses both qualitative and quantitative. In this course of instruction there
will be but little room for lectures. A part of this course of instruction will
be common to all pupils in Chemistry whatever be their professional aim.
After this has been gone over according to the wants of each pupil he shall
receive special instruction whether it relate to Agriculture, Mineralogy, Metallurgy
Pharmacy, manufacture, the investigations of the Electro-Chemical, &c.
In this course of manipulations it is proposed to add a course of lectures on
Agricultural Chemistry as modified by our own climate and soil and to
this end the professor in this department hopes ere long to fully acquaint him
self with the peculiar wants and capabilities of S. Carolina and the other
Southern States. Other lectures may be given as our necessities indicate.
The apparatus necessary for the commencement of our labours will, as soon
as we can learn cost from seven to eight hundred dollars. The most costly
article will be a furnace contending to furnish a sand-bath, evaporating
chambers, hot and distilled water. Prof. Hinton directed one for Yale
College which is generally thought to answer every purpose. And we under
stand that it will cost about three hundred dollars. Balance will
require about one hundred dollars. Retorts, bottles, lamps and fixtures will
in all probability remember the rest of the $75 or $800 for a beginning. The Prof.
in this department would like to know what is the sum he will be allowed to
spend on his laboratory. It will be altogether the cheapest to import chemical
glass & porcelain ware of many of his instruments as they are admitted duty
free when intended for scientific institutions. This is the common
practice of the Institutions in this part of the country. And it is of importance
to have these things at the beginning of our instructions. These remarks will
apply but not so forcibly to the procuring instruments for use in Engineering.