

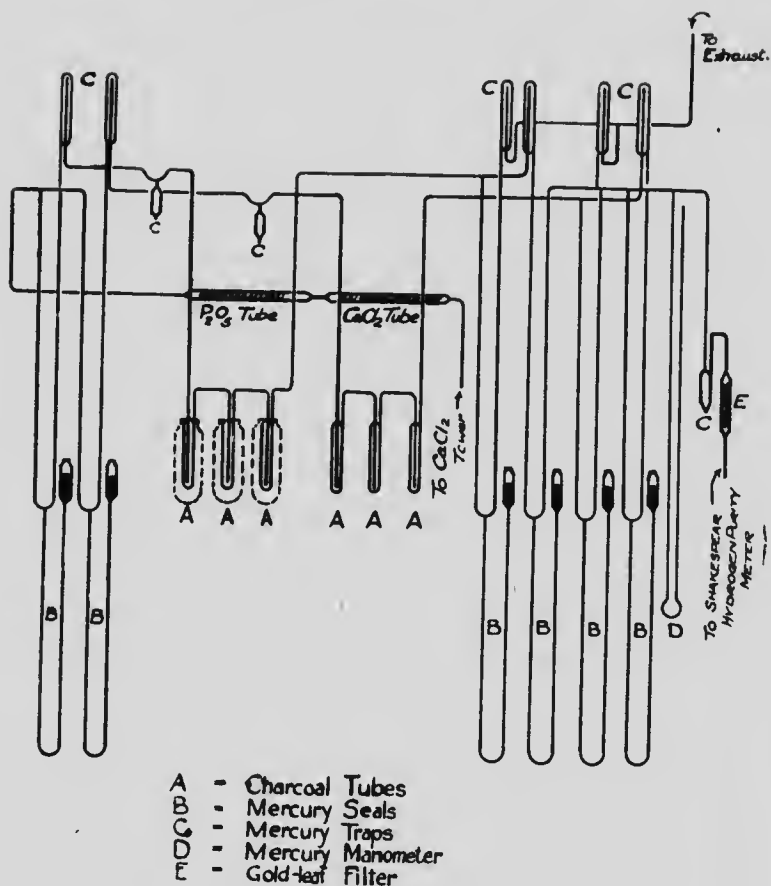


Figure 2.—Central Portion of Flow Apparatus.

to preclude the possibility of air leaks at taps. These seals were operated by lowering or raising the mercury reservoirs according as it was desired to open or close a path to the gas flow.

For use the whole apparatus was first exhausted; the charcoal tubes were surrounded by liquid air and gas was allowed to stream slowly in until atmospheric pressure was attained. When a steady condition was obtained, a flow of gas was started, and continued so long as the purity meter read above 99.8%. When this percentage began to fall the gas stream was diverted through the second set of tubes and the purification continued. Meanwhile the charcoal in