

① Radio Mantel. "The Idea" is first to give increased heat radiation from a given amount of fuel, second, to ventilate the room, third to consume as much of the smoke as possible, "operation" causing the smoke to pass again through the heat of the fire will accelerate the flow of the gases, the average chimney, properly built, has ample draught to overcome any retardation by carrying the smoke over round the grate, but, if not, a slight addition to the height or the adding of a cowl will remedy it, "Cost," the average of the present style of mantel is greater than the Radio Mantel need be, of course there is a wide range of choice in both cases.

② Fire Escape, I hope to have the assistance of one of our Fire Chiefs to try this out, it need neither be unsightly nor complicated,

③ Smoke Consumer "Modern Practice" we all know is very unsatisfactory, and, like yourselves I know of no consumer which is giving perfect results, practically every city in Europe and America has a standing Committee on "Smoke mitigation" many of whose