



STRAUB'S WATER WHEELS.

thick, as we have personally frequently seen, the non-evaporative power of the boiler becomes no longer a matter of surprise.

Most of the present numerous feed-water heaters seek to prevent this deposition by separating the insoluble precipitates in the preliminary heating before entering the boiler. This no doubt serves most effectually to diminish incrustation, but that it is thereby totally prevented we do not believe. Also, there

are many cases where boilers are without these separators, either from the impossibility of their application, inconvenience, or perhaps prejudice. However this may be, there is, as a fact, as much as fifty per cent of the whole boiler power in use, without any separator, depositing rapidly thick calcareous deposits, and the other fifty per cent, though with the best-fitted appliances, still deposit this scale more or less.

In addition to the economic loss by reason of calcareous de-