



Tannoy , PX4 SE, 1932

This schematic are redrawn from Jean Hiraga's good book. Nice straight forward design. Note the parafeed driver and the 1:4 step up ratio at the tapped autotransformer.

Roger Modjeski,(Music Reference), kindly points out that It is also worth to note the metal selenium rectifiers.Such was made of a series of anode and cathode cells, separated by a thin layer of Selenium. These rectifiers were rarely used in audio amplifiers* , possible due to relatively high costs, a limit of 25V per cell, large size and highly toxic fumes in case of failure. The HT Voltage doubler that Tannoy uses here are possible due to the metal rectifiers.

(The Siemens Klangfilm KV20W, 1928-30 had metal rectifiers installed too.)

Anyway it is a good example of the typical English Single End amplifier as they were used in the domestic radios. This one obviously had a "gramophone" as well.