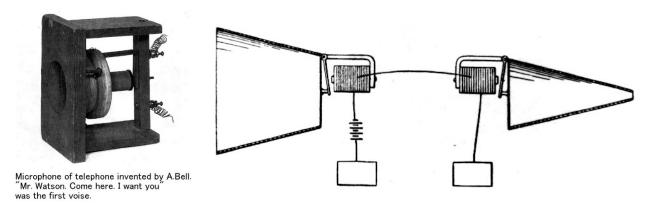
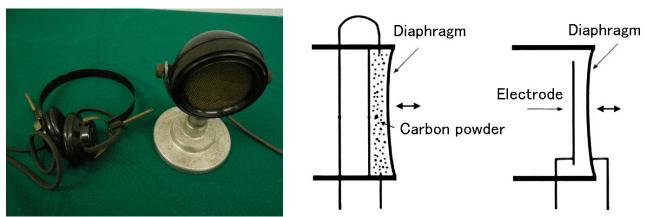
## Wired communication

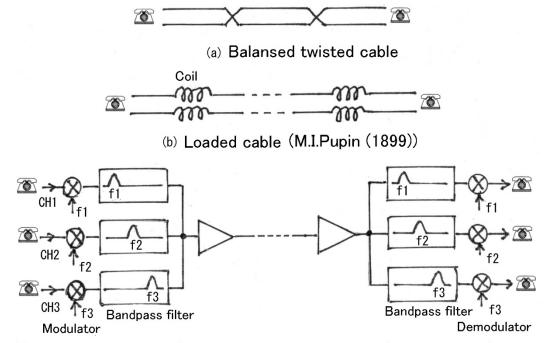


Telephone by A.Bell (1876) Electromagnetic microphone and receiver (I.Sagara: History of electronics in 20<sup>th</sup> century, Nikkei electronics (1996))



Electromagnetic receiver and carbon microphone

Carbon microphone Condenser microphone Edison (1877)



(c) Multipled communication using unloaded cable (S.Matsumae (1932))

Donation by Emeritus Prof. Yakichi Higo of Tokyo Institute of Technology