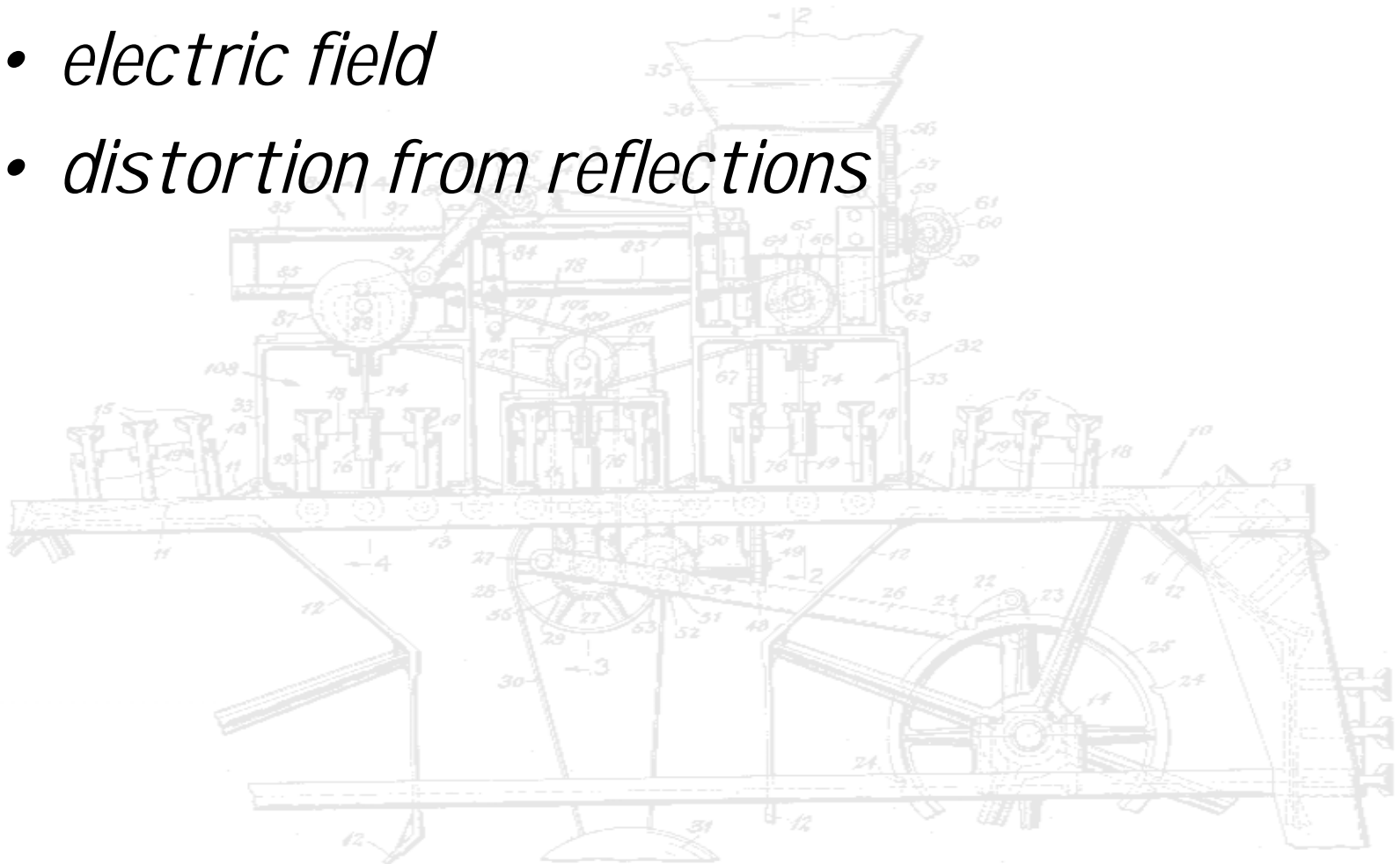


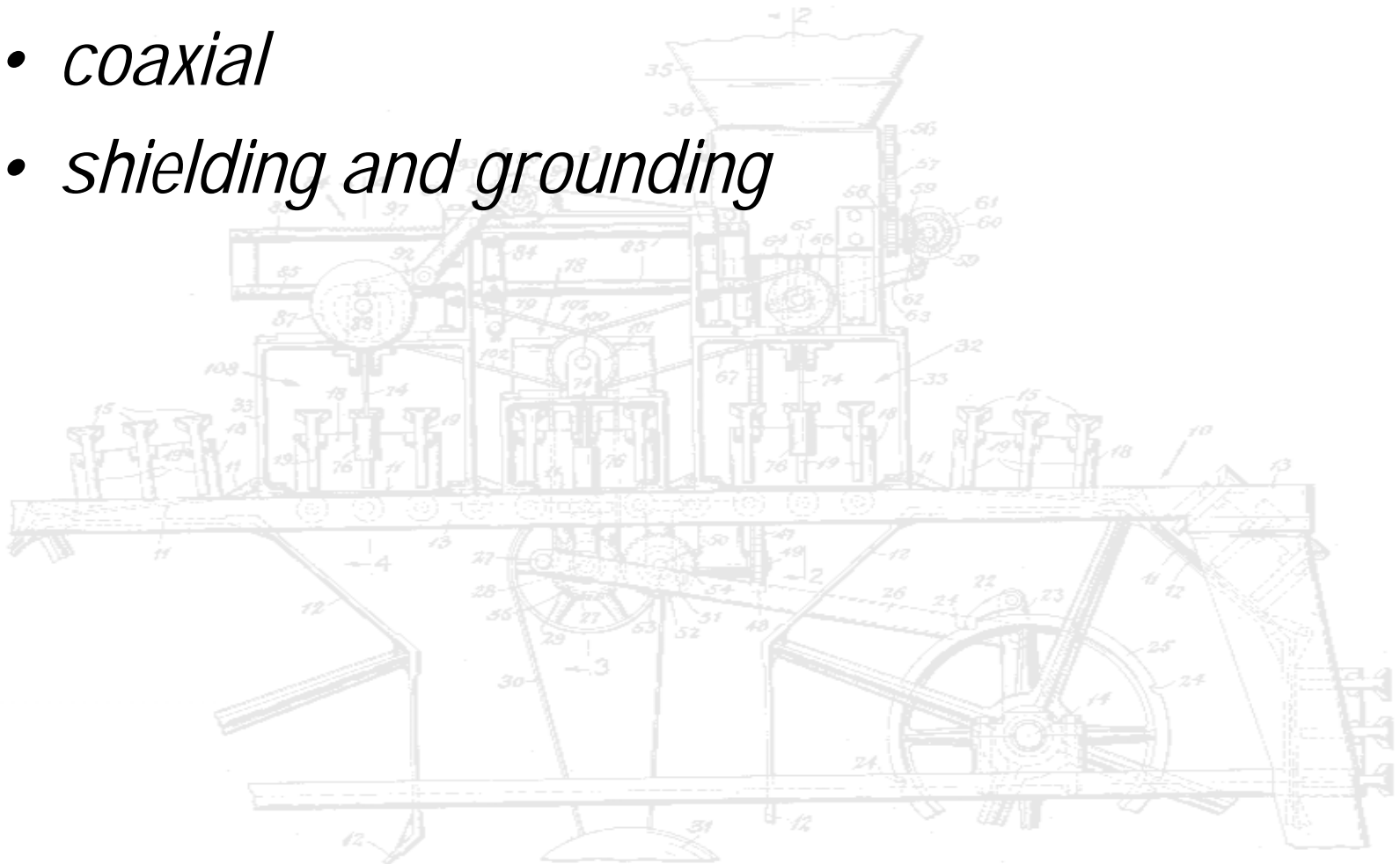
NOISE COUPLING

- *common-impedance*
- *magnetic field*
- *electric field*
- *distortion from reflections*



WIRING METHODS

- *individual wire*
- *twisted pair*
- *coaxial*
- *shielding and grounding*



DIGITAL SIGNALING

- *Bipolar serial - RS232*
- *Communications parameters*
 - *speed (baud "rate")*
 - *start bits, stop bits, and parity*
- *Differential serial - RS422/485*
- *Point-to-point vs. multidrop*
- *Ethernet*
 - *clock encoded in data*
 - *CSMA/CD*