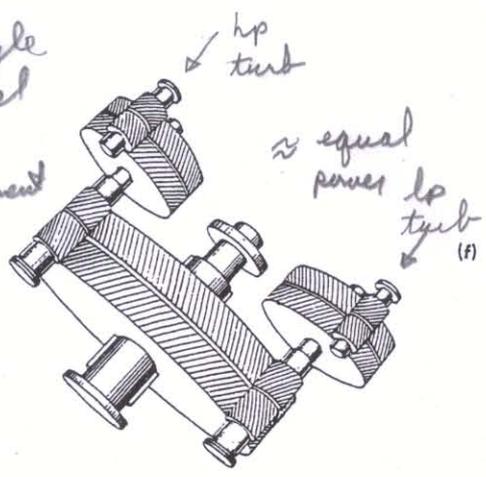




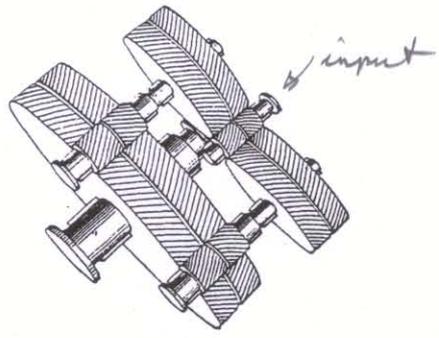
(a) Single reduction, single input

eg single diesel or aux equipment



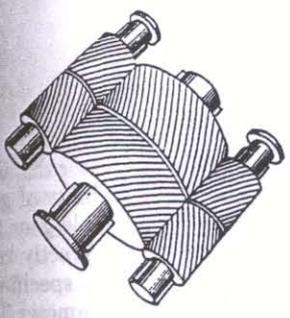
(d) Double reduction, double input, articulated

eg two diesels
tandem (in line)
articulated - flex coupling between 1st reduction gear and 2 ^{HP} pinions

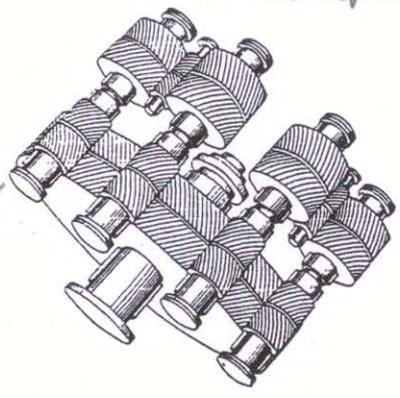


(f) Double reduction, single input, locked train

gear elements \propto for $\frac{1}{2}$ power \Rightarrow smaller \Rightarrow smaller size & weight but more parts, torsional flex shaft required

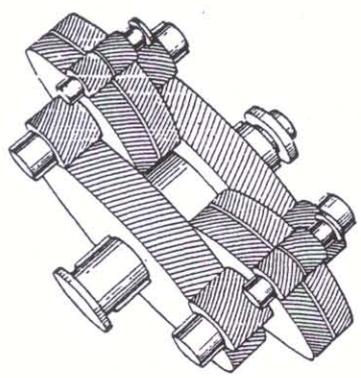


(b) Single reduction, double input

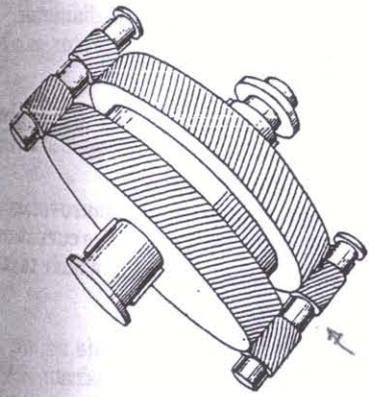


(g) Double reduction, double input, locked train

hp & lp turbines
2 gas turbines



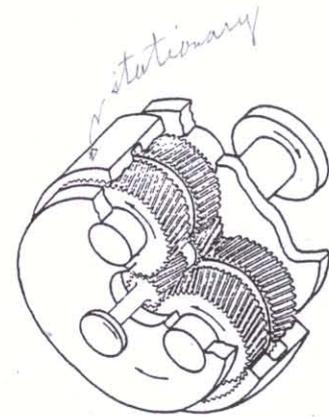
(e) Double reduction, double input, nested



(c) Single reduction, double input, three-bearing pinions

early turbines obsolete
R up to 20:1

extra bearing



(h) Single reduction, planetary

(later)

Fig. 1 Gear arrangements