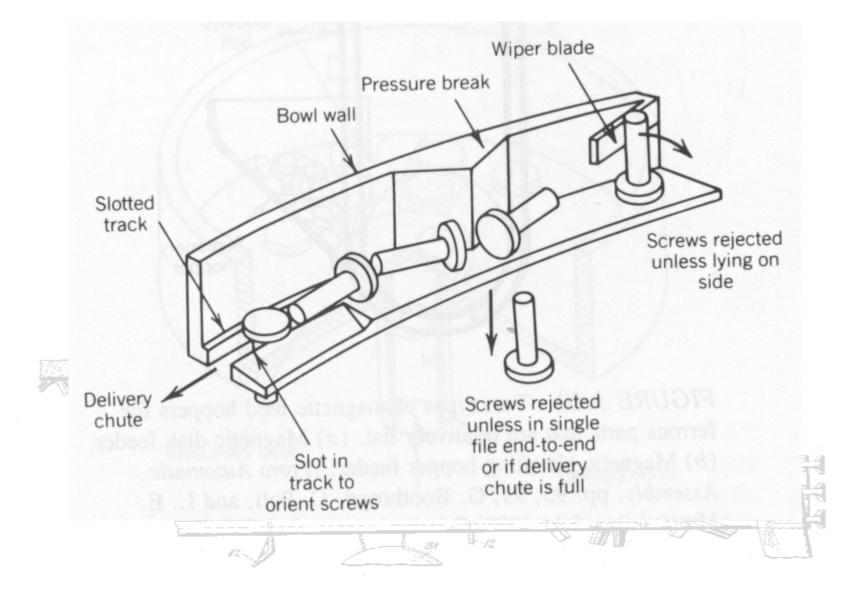
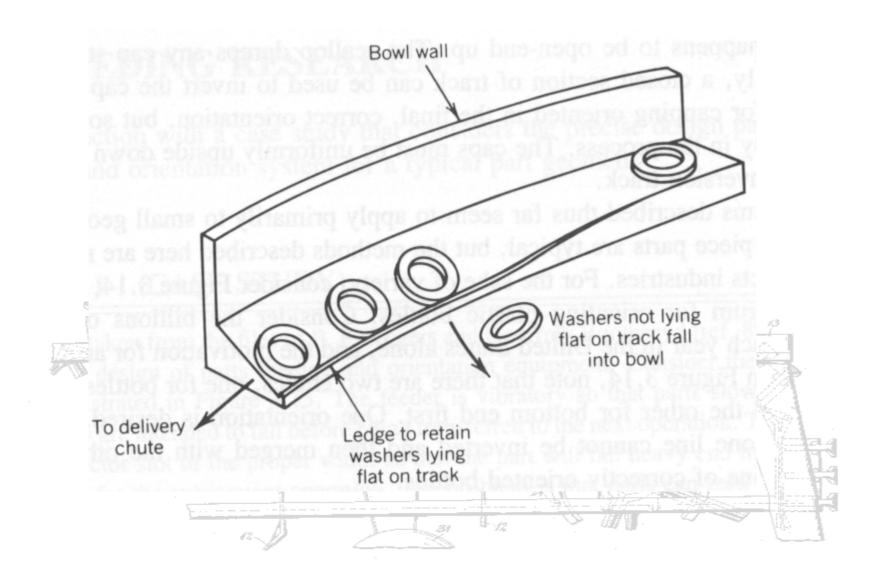
CARE & FEEDING OF MACHINES

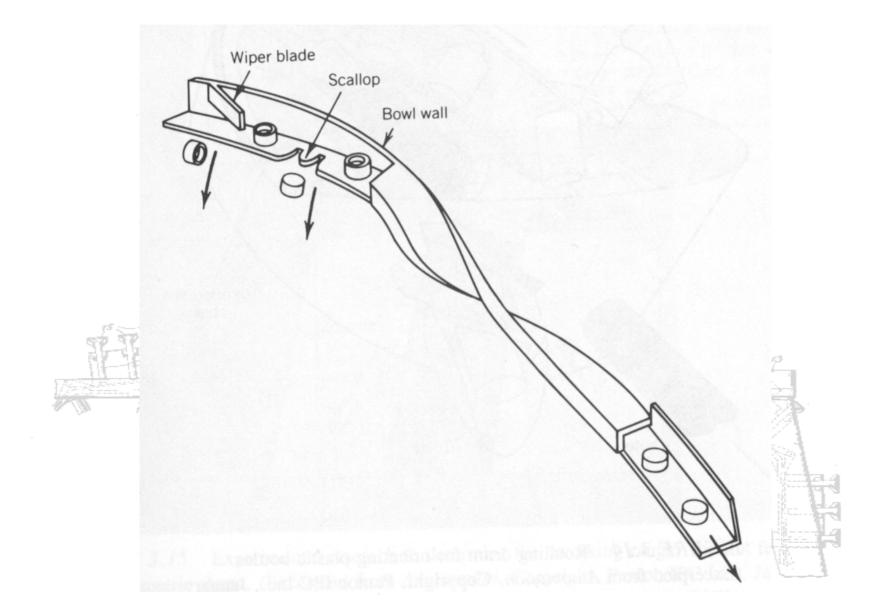
- Feeding parts
 - vibratory feed bowls
- conveyors – pick & place









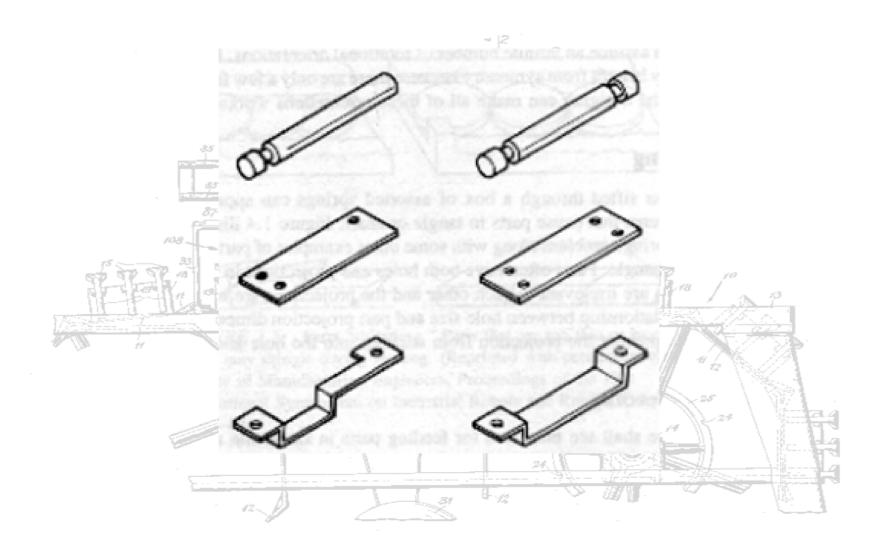


• Design Factors - Part symmetry - Selector efficiency $E = F_o/F_i$ - Recirculation effects k EDk

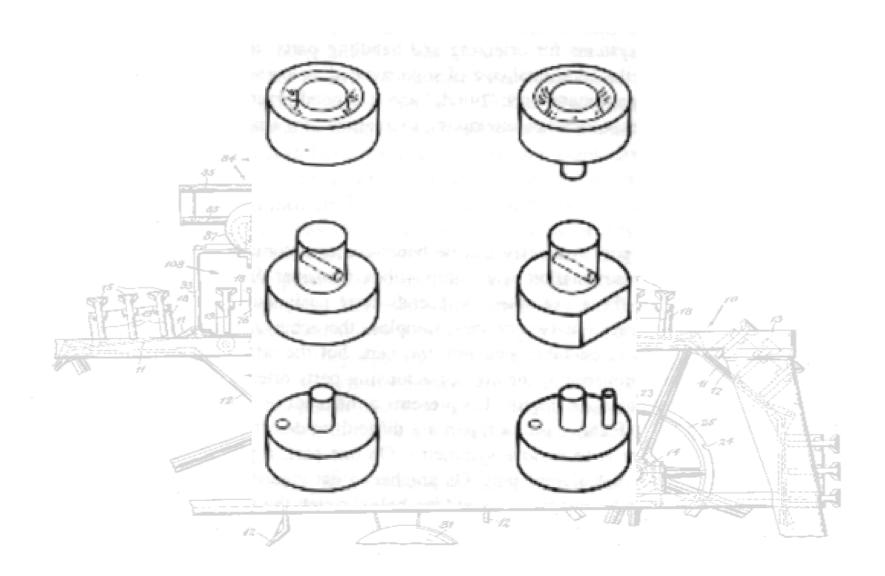
DESIGNING PARTS FOR FEEDING

- Symmetry
- Asymmetry
- Tangling
- Shingling
- Wedging

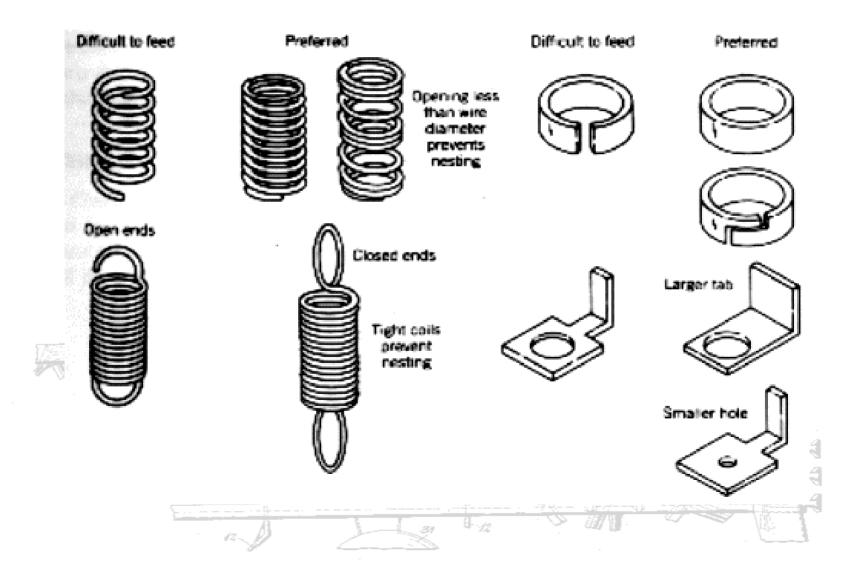
SYMMETRY



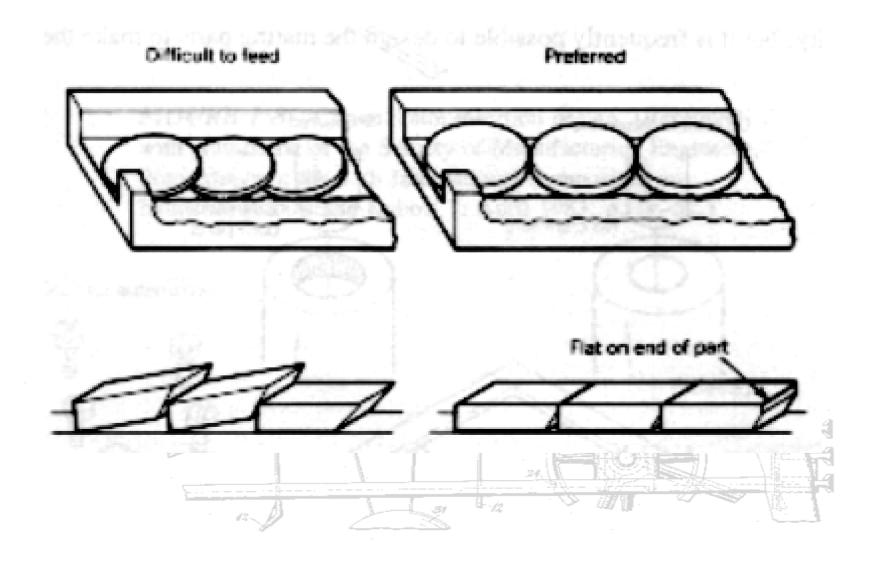
ASYMMETRY



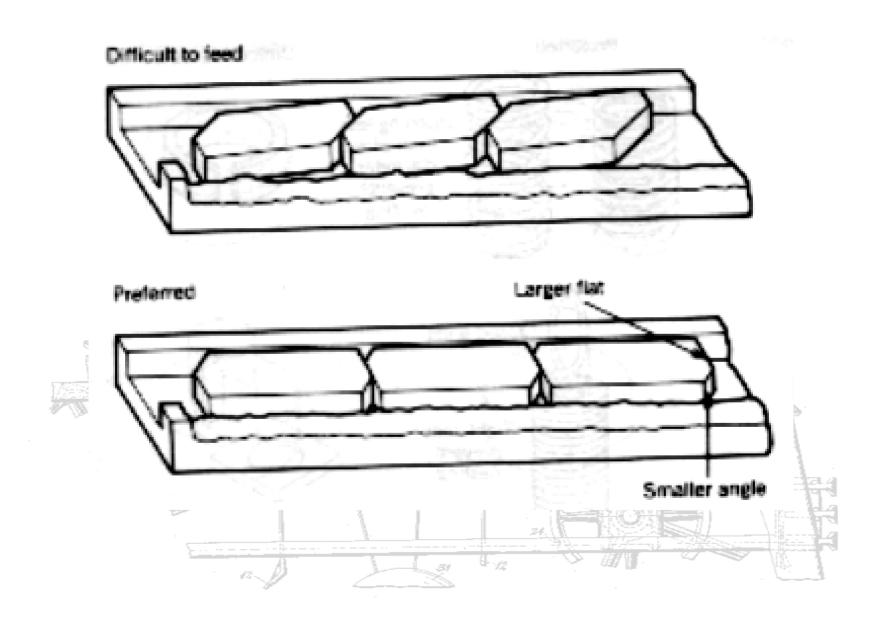
TANGLING



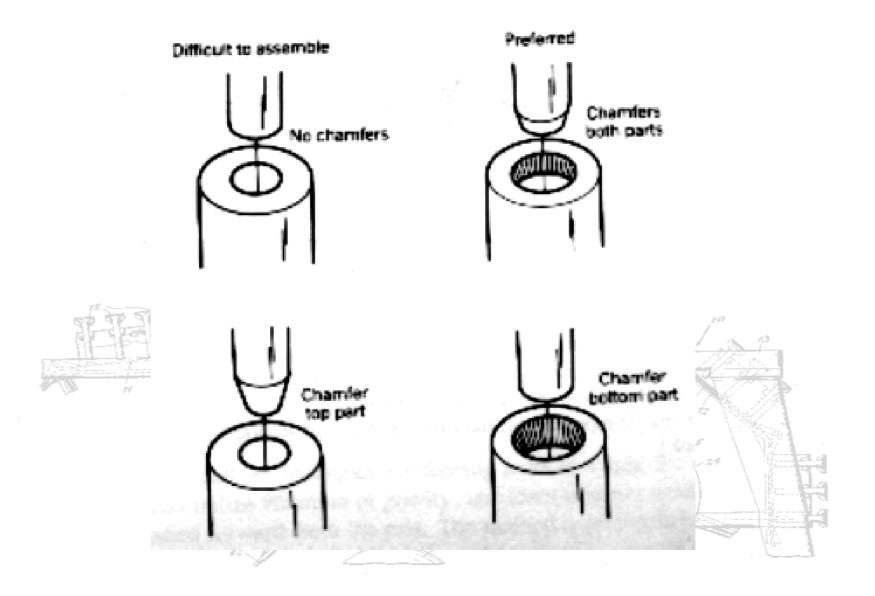
SHINGLING



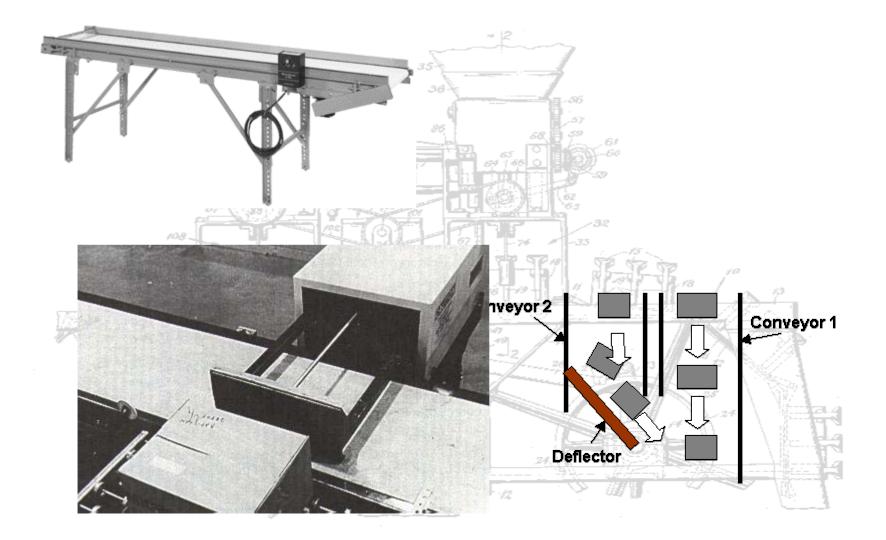
WEDGING



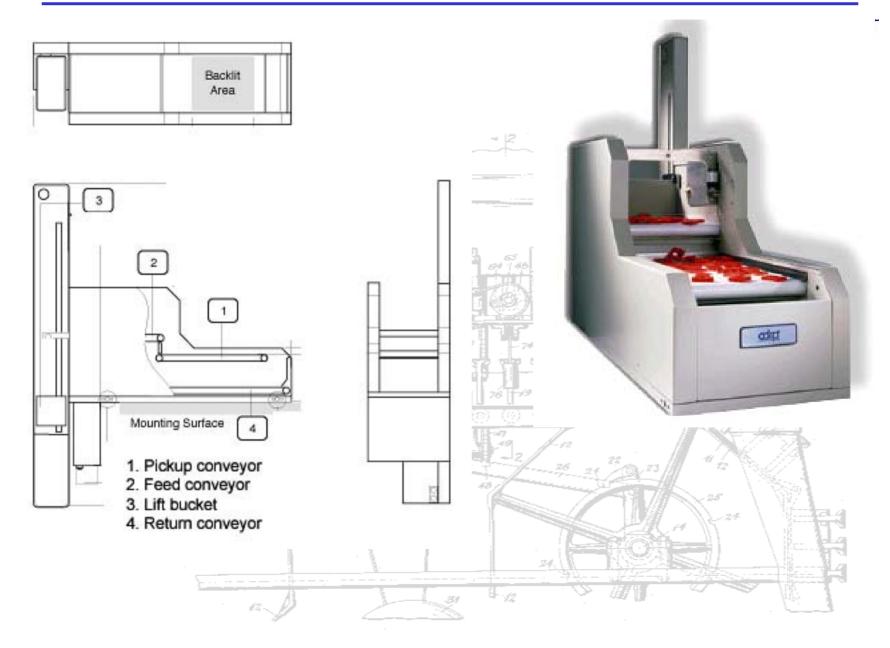
DESIGNING FOR INSERTION



FEEDING PARTS - CONVEYORS



CONVEYORS



OTHER FEEDER MECHANISMS

