

## REACTION BLADING (Radial Clearance Type)

Figure 1 shows an arrangement of shrouded reaction blading with sealing details by means of which small running clearances are maintained in the radial direction. These blades have the conventional "T-Root" fastening and are held against the top of the groove by half round segments caulked in place at the bottom.

Each row of blades is shrouded with a strip which is fitted over tenons on the ends of the blades and arc-welded in place. Each blade shroud forms a close radial clearance with seal strips as shown. These seals consist of very thin flat strips and are held in place in the cylinder (or rotor) by soft steel locking strips which are caulked into the grooves. The strips, being very thin, permit running with close clearances without serious consequences in case of a rub.

These seal strips are removable and can be renewed if the clearances between them and the corresponding blade shrouds become excessive. The clearances desired for normal operation are given on the "Spindle Clearance Drawing" for each turbine.

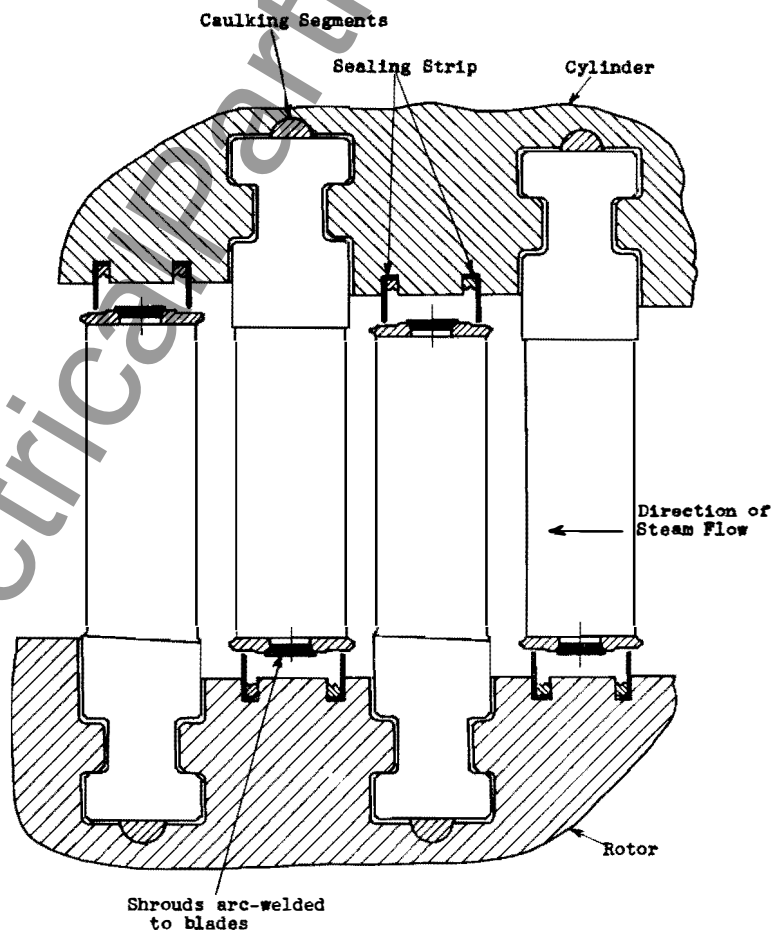


Figure 1