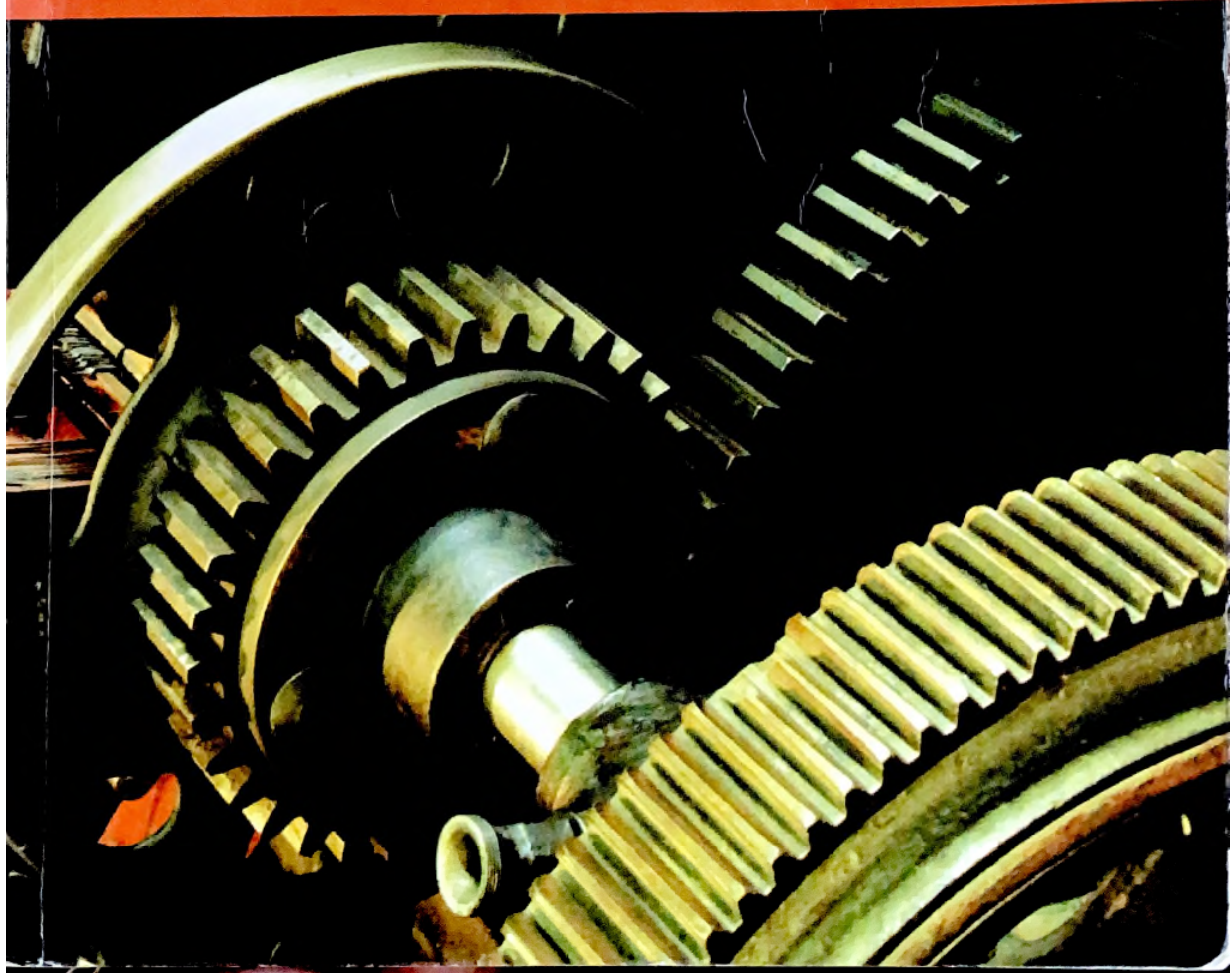


G. H. F. Naylor

Dictionary of
Mechanical
Engineering



controllable-pitch propeller A variable-pitch propeller in which the blades can be set to predetermined pitch angles while rotating.

convergent-divergent nozzle See *propelling nozzle*.

conveyor A device for moving parts or materials from one place to another, usually over a short distance and/or from one level to another, often on a continuous band called a "conveyor belt." (See Figure C.20.) See *apron conveyor*; *band conveyor*; *bucket conveyor*; *chain conveyor*; *drag conveyor*; *gravity conveyor*; *non-carrying conveyor*; *pneumatic conveyor*; *pneumatic tube conveyor*; *roller conveyor*; *vibrating conveyor*.

slat conveyor An *apron conveyor* (q.v.).

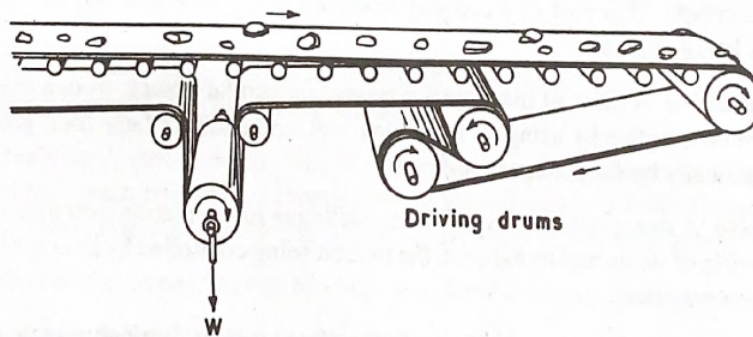


Figure C.20 Conveyor belt mechanism.

conveyor screws Different types of screws which operate conveyors are shown in Figure C.21.

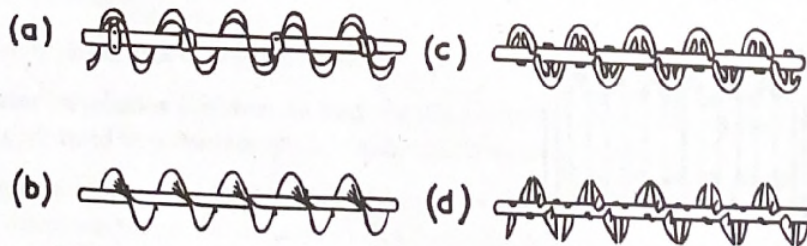


Figure C.21 Conveyor screws.

coolant (a) A liquid (or gas) used as the cooling medium for an engine; for example, in the jackets of liquid-cooled piston engines or as a film on the inner wall surfaces of combustion chambers and the nozzles of rocket engines, or a molten metal, such as sodium in hollow exhaust valves and certain atomic reactors. (b) Fluid used during machining to cool and lubricate the cutting or other tool and the work. See *emulsified coolants*.

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About the Author

Gordon Nayler served an engineering apprenticeship with de Havillands in Britain before studying for his M.S. at Cranfield College of Aeronautics (now Cranfield University). He then worked for 13 years as a dynamics engineer on the design of Concorde in Bristol, UK, after which he was involved for many years in space systems and spacecraft structures. Nayler now works as a consultant on the design of jigs for the handling and transportation of large aircraft engines.

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