

COMBINED LIGHT FITTING AND CEILING FAN

Abstract:

A combined ceiling fan and light fitting (fan/light) (1) having folding fan blades (12) is provided. The fan light (1) has a blade support (13) arranged to be rotated by an electric motor (6), with blades (12) being secured to the blade support (13), a root end of each blade (12) being pivotable between folded and operative positions about a blade pivot axis-(14) fixed in the blade support (13). In one aspect of the invention, an improved mechanism is provided for synchronizing movement of the blades. This uses a sun gear (16) mounted to the blade support and arranged to mesh with planet gears (17) that rotate about the blade pivot axes (14). In addition improvements are provided to blades (12, 33, 60) and blade mounting arrangements that balance compact folding of the blades (12, 33, 60) and good air moving effectiveness.

(FIG. 1)