

EMERGENCY RELEASE SHUTTER ASSEMBLY**ABSTRACT**

A security louver screen (10) for a window has a plurality of generally vertical blade elements (11,12,13) which are mounted, both at their upper and lower ends, in casings (21,30). Each blade element (11) consists of a central tubular part and two oppositely extending wings (14,15).

The upper casing (21) supports a plurality of upper blade spindles (16) corresponding in number to the number of blade elements (11,12,13). Each blade element (11) is connected at its upper end to a respective blade spindle (16) via a slot (31) formed in the spindle (16).

Each spindle (16) engages a respective upper gear housing (18) in such a way that the spindle and blade element can be rotated by operation of a drive shaft and gear assembly (17,18,19,32). The upper blade spindles (16) slidably engage within a cylindrical cavity (36) of upper gear housing (18).

The lower casing (30) also supports a plurality of lower blade spindles for connecting each of the blade elements (11,12,13) at their lower ends. Each blade spindle engages a respective slot (25) formed in the lower casing (30). The lower casing (30) also includes a removable panel (24), whereby removal of the panel reveals one or more casing slots (25) so that a required number of lower blade spindles may be removed from the casing (30) by sliding action, taking with them their blade elements. The upper blade spindles of these blade elements can now readily fall out from their cylindrical cavities (36) in the upper gear housings (18).

This Sheet Has Been Replaced

