

GLASS PLATE CLEAVING MECHANISM AND A TRIMMING DEVICE
ABSTRACT OF THE DISCLOSURE

To provide a glass plate trimming device for treating a glass plate over the periphery, i.e., for removing the marginal edges by trimming and for discarding the removed glass ears

An apparatus comprising: a conveyor 2 for transporting a glass plate G in a horizontal direction; a cleaving mechanism with cleaving members 3 to 6 and supporting members 7 to 10 located near the front, rear and left, right sides of the conveyor 2, respectively; and glass plate positioning devices 23 to 26 located near the front, rear and left, right sides of the conveyor 2; said cleaving members being provided with pressure elements for applying a pressure to the glass plate and with first end faces that intersect the aforementioned pressure elements, the pressure elements being moveable downward and upward in a vertical direction; the supporting members being oriented parallel to the first end faces of the respective cleaving devices and having second end face spaced in a horizontal direction from the aforementioned first end faces, the supporting members being moveable downward and upward in a vertical direction; the apparatus being provided with first suction means located opposite the second end face of the respective supporting member and with the second suction means formed in the pressure elements.

Figure 1