gether and cogged down like the carriage-fenders at P, P, P, P, P, P.

[R S T U Y.] SIGNS OF DISTINCTION.

(Plate 6, Fig 1) are signs of distinction, to illustrate, by the laws of the inclined plane, in what proportion the gravity of the angular levers in the building of each arm presses back towards the abutment from whence they sprang; also what portion of that gravity rests on the end-grain of the said angular levers.

[V, V, V, V.] THE STANCHEONS.

(On Plate 1, Fig. 1 and 2) are the stanchions in the section of a roof that may or may not be added to a Bridge on the author's plan, formed out of and belonging to every king-bent, or sixth angular lever; for the purpose of supporting the purlin-plates, on which the rafters of the roof are to rest; consequently they stand at the same angle with the angular bents or levers.

[W.] THE ARCHIVOLT SPAN BEAMS.

(On Plate 1, Fig. 2, 9 and 10) are the Archivolt span beams, which may be of the form of a double isosceles wedge, as Fig 10, or that of a prism, as Fig. 9, in either shape, one half the quantity of