

- 9.237 Specimen of Yarrow joint.
- 9.238 Specimen of Bainstead joint.

9.24 JUNCTION PIPES, REDUCING SECTIONS, ETC.

- 9.241 Full size 6-inch tile drain, with 4-inch Y junction.
- 9.242 Full size 6-inch tile drain pipe, with 6-inch T junction.
- 9.243 A 4-inch iron pipe, with 4-inch Y junction.
- 9.244 A 4-inch heavy iron drain pipe, with triple junction. On the top surface is a bolted casing to form inspection chamber.
- 9.245 Reducing section of tile drain pipe, from 6 inches to 4 inches.
- 9.246 Expanding section of tile drain pipe, from 4 inches to 6 inches.
- 9.247 A 6-inch tile drain pipe, curve bend.

9.25 DRAINAGE SYSTEMS, ETC.

- 9.251 Model showing simple house drain ; tile pipes laid on cement bed ; manhole with intercepting trap at the far end of the drain. The upper end of the drain is where the soil-pipe enters.
- 9.252 Working model of a system of house drainage, showing the different methods by which the water seals in the traps may be broken.

It also illustrates the disconnection of the drain from the sewer, and the ventilation of the whole system.

The four methods in which a water seal may be broken are as follows :

- 1 Evaporation,
- 2 Suction,
- 3 Back pressure,
- 4 Momentum.