



Abstract of the Disclosure

"SOCKET OF PIPE JOINT"

A socket of a pipe joint has a socket body (1), coupled to an end portion of a first fluid pipe, for
5 removably receiving a plug (25) coupled to an end portion of a second fluid pipe to be coupled to the first fluid pipe, a valve mechanism (11) provided within the socket body and situated in an open position to allow
10 passage of a fluid between the socket body (1) and the plug (25) when the plug (25) is inserted in the socket body (1), and a lock mechanism (3, 4) for preventing removal of the plug (25) from the socket body (1) when the valve mechanism (11) is situated in the open position. A hollow cylindrical valve receiving portion (13)
15 having a valve seat (21) formed on an inner peripheral surface of the valve receiving portion (13), a valve body (12) slidably situated within the valve receiving portion (13) and having a valve head (20) cooperating with the valve seat (21) to constitute the valve mechanism (11), and a spring (18), supported by the valve
20 receiving portion (13), for urging the valve body (12) in a direction to bring the valve head (20) into contact with the valve seat (21) are constructed as a single assembly capable of being inserted in the socket body
25 (1).

Fig. 2