

ABSTRACT

A tunnel boring machine 1 according to one embodiment includes a cutter drum 5 and a door 7. An inner wall portion 53 of the cutter drum 5 is provided with an opening 5a for entry into the cutter drum 5. The door 7 is fixed to the inner wall portion 53 by a closure bolt 6 in a state where the door 7 closes the opening 5a. The closure bolt 6 includes a head 61 and a shaft 62. The shaft 62 has a tip on which a thread 63 that is screwed into a tapped hole 78 provided in the door 7 is formed. The shaft 62 is provided with a small diameter portion 64 having a diameter smaller than the outer diameter of the thread 63, the small diameter portion 64 being closer to the head 61 than the thread 63. The inner wall portion 53 is provided with a tapped hole 48 into which the small diameter portion 64 of the shaft 62 of the closure bolt 6 is inserted and into which the thread 63 is screwable.