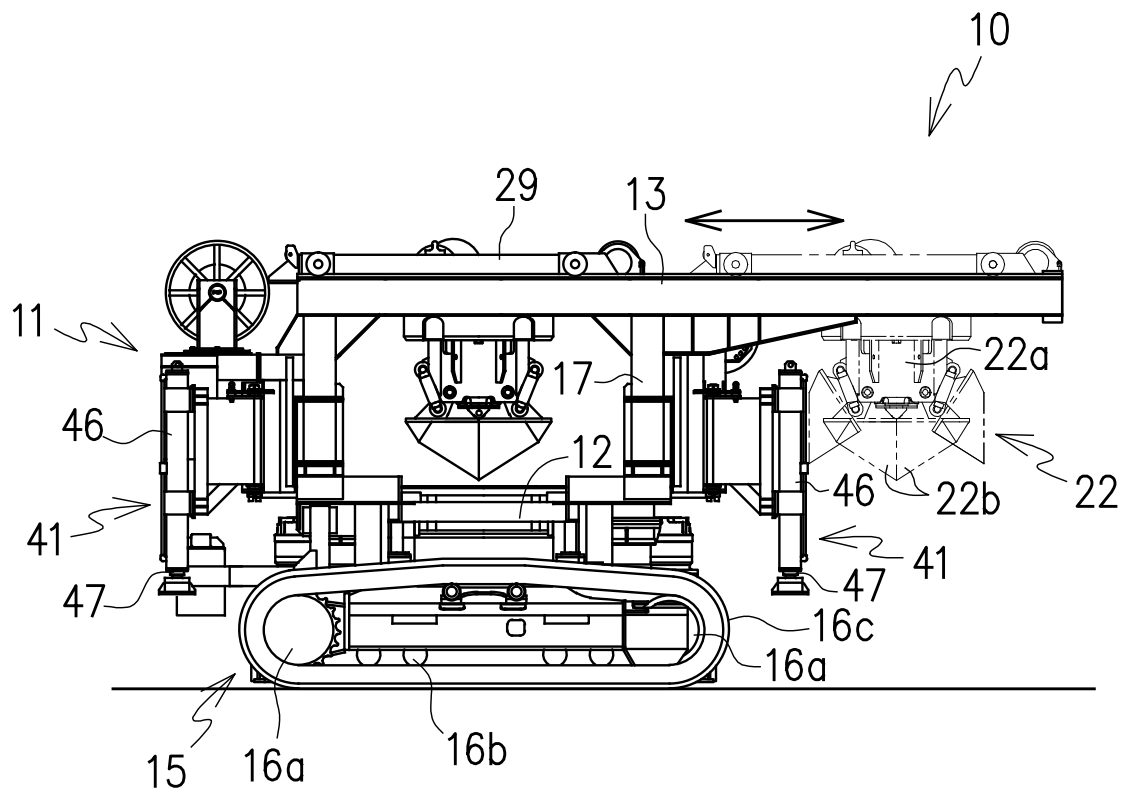


FIG. 1



- 10...Low overhead clearance boring machine
- 11...Machine body
- 12...Tubing member
- 13...Horizontal frame
- 22...Excavation unit (Hammer grab)
- 41...Lift mechanisms

FIG. 2

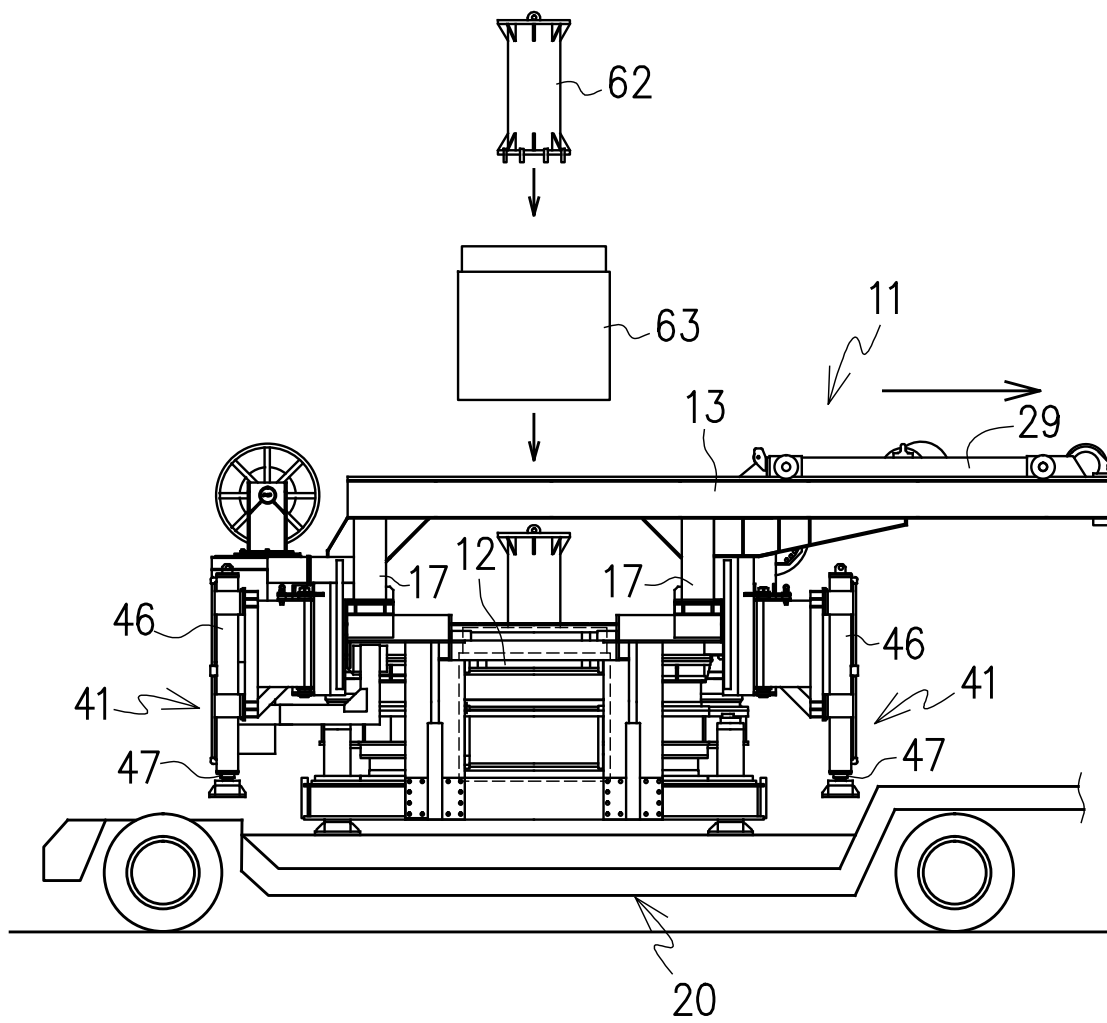


FIG. 3

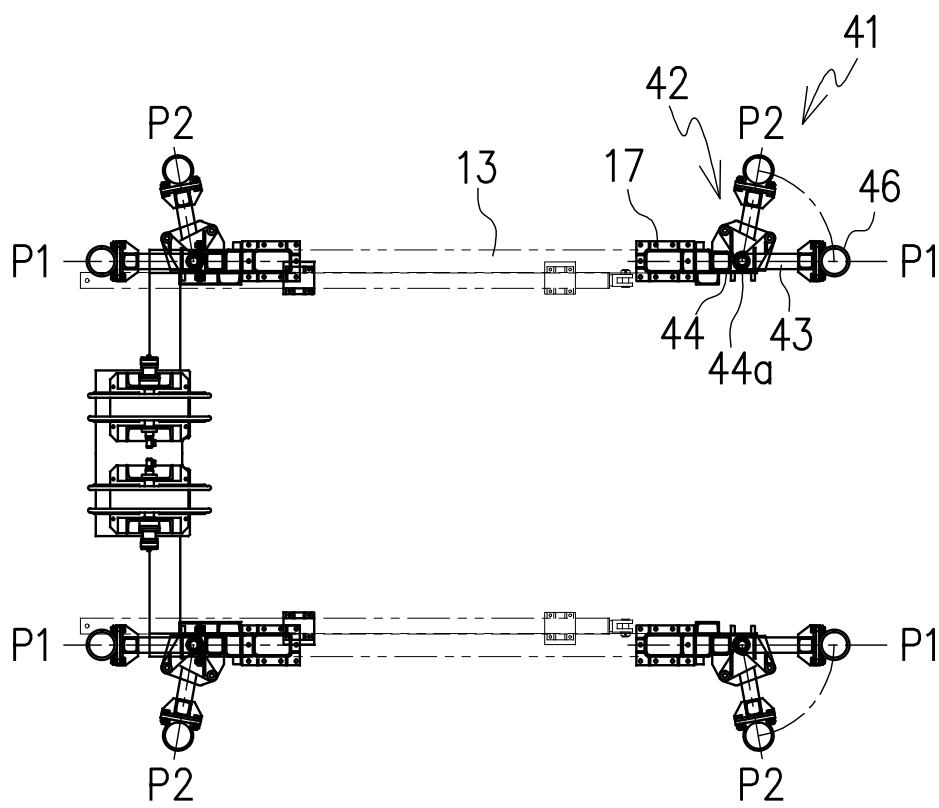


FIG. 4

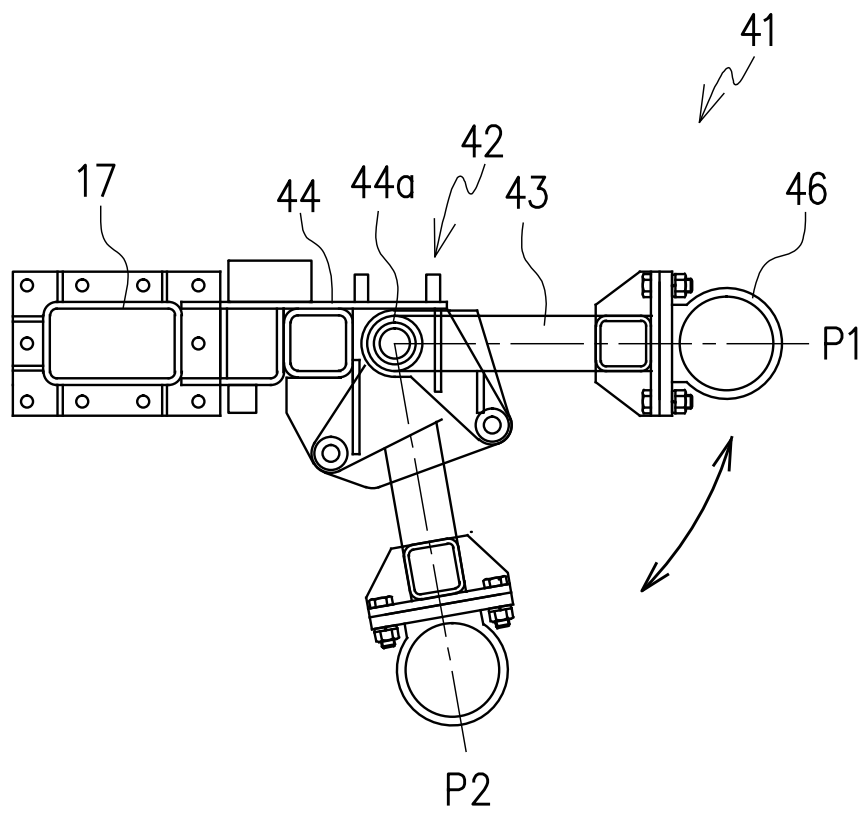


FIG. 5

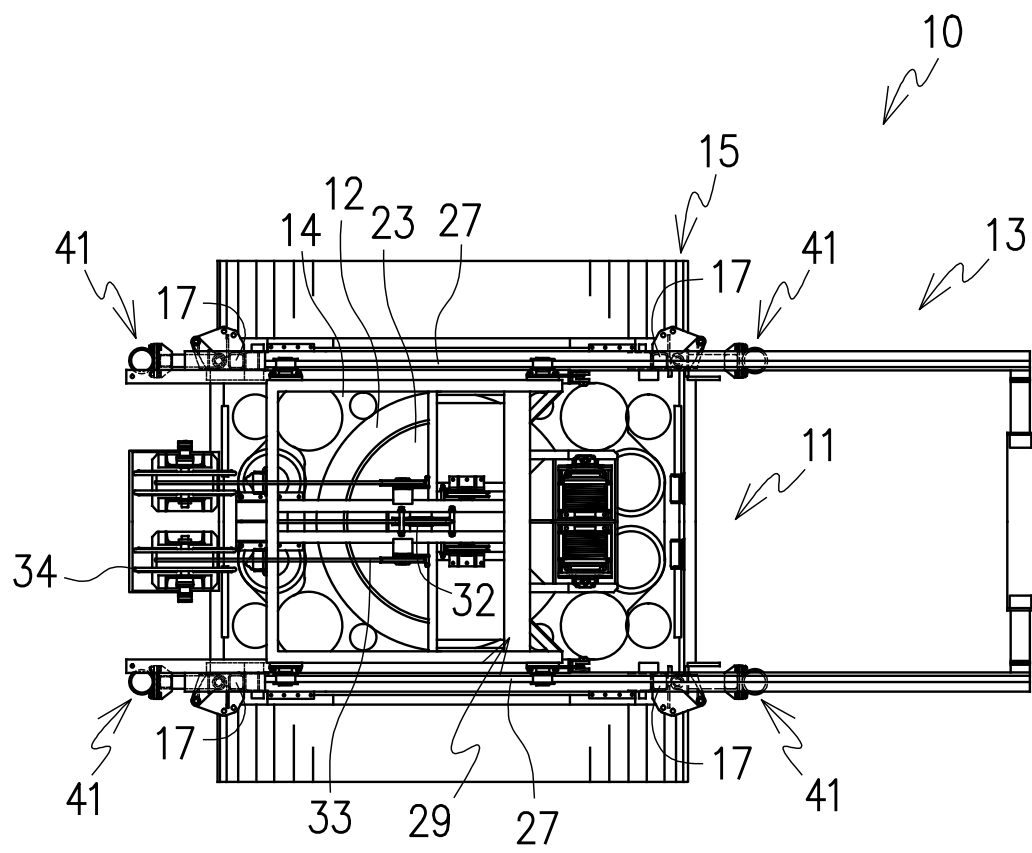


FIG. 6

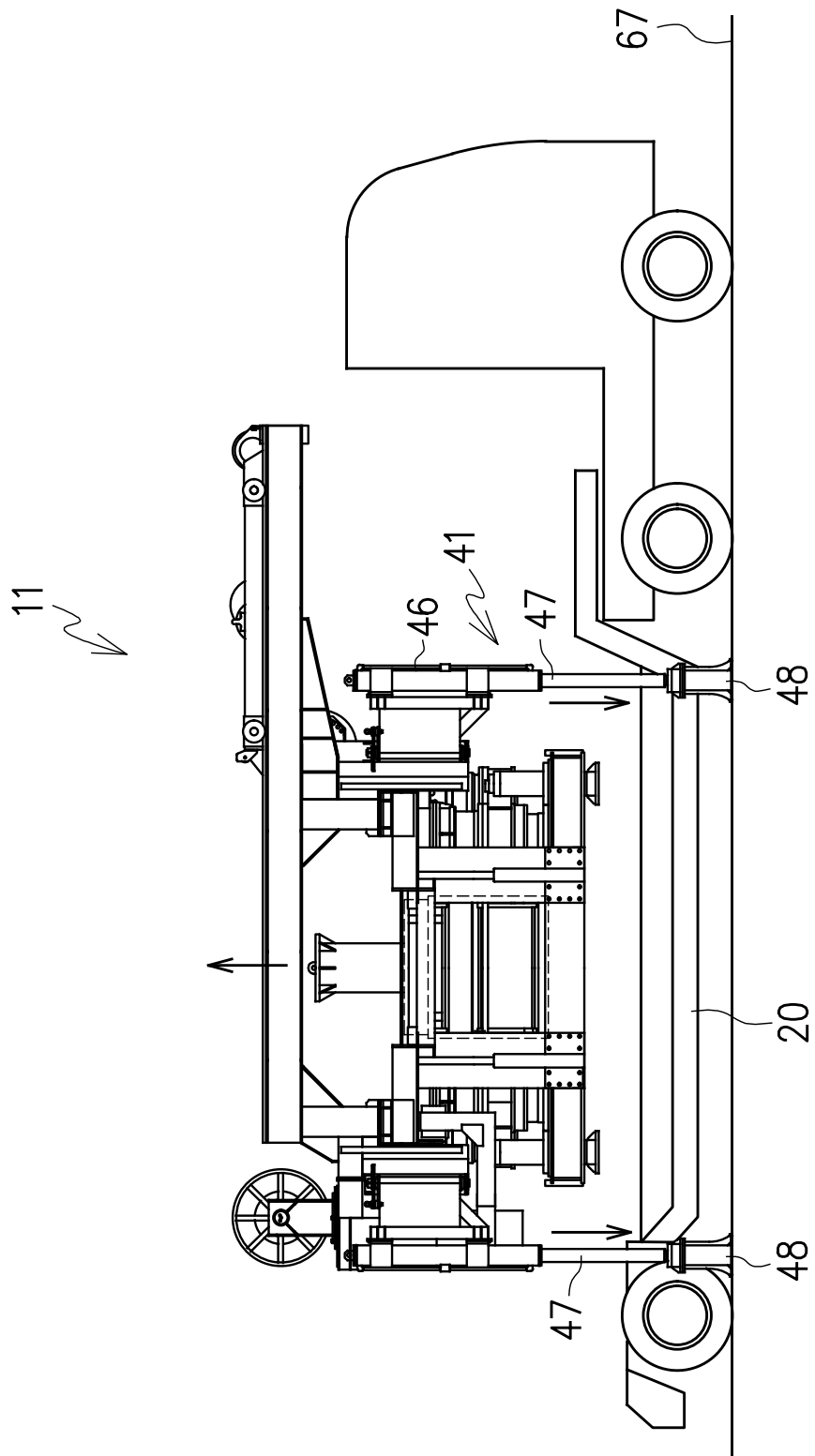


FIG. 7

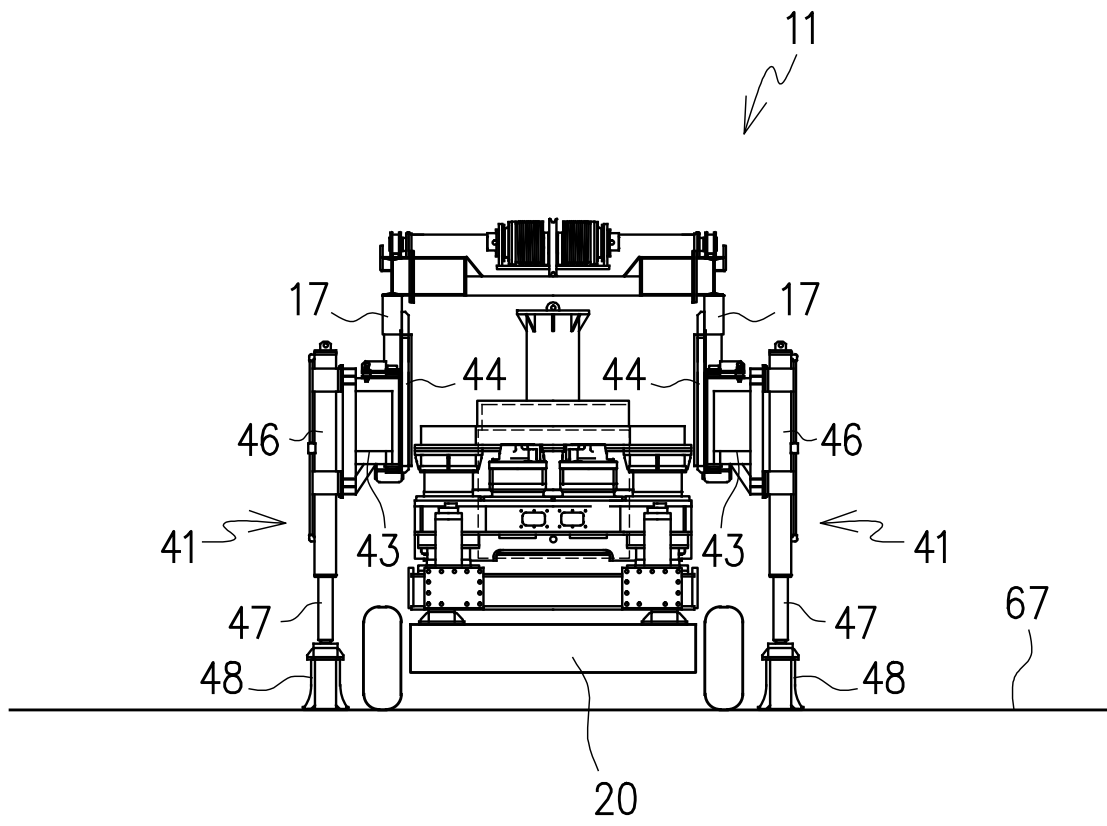


FIG. 8

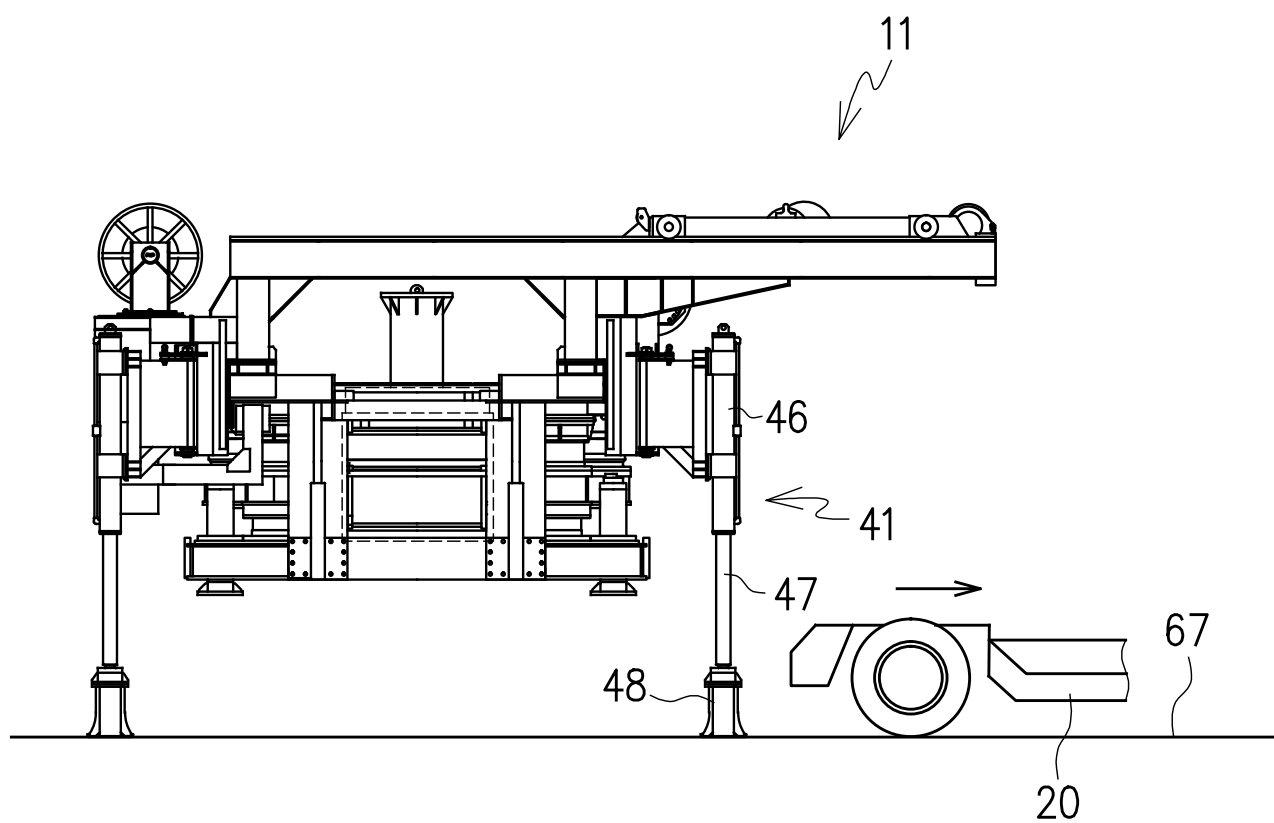


FIG. 9

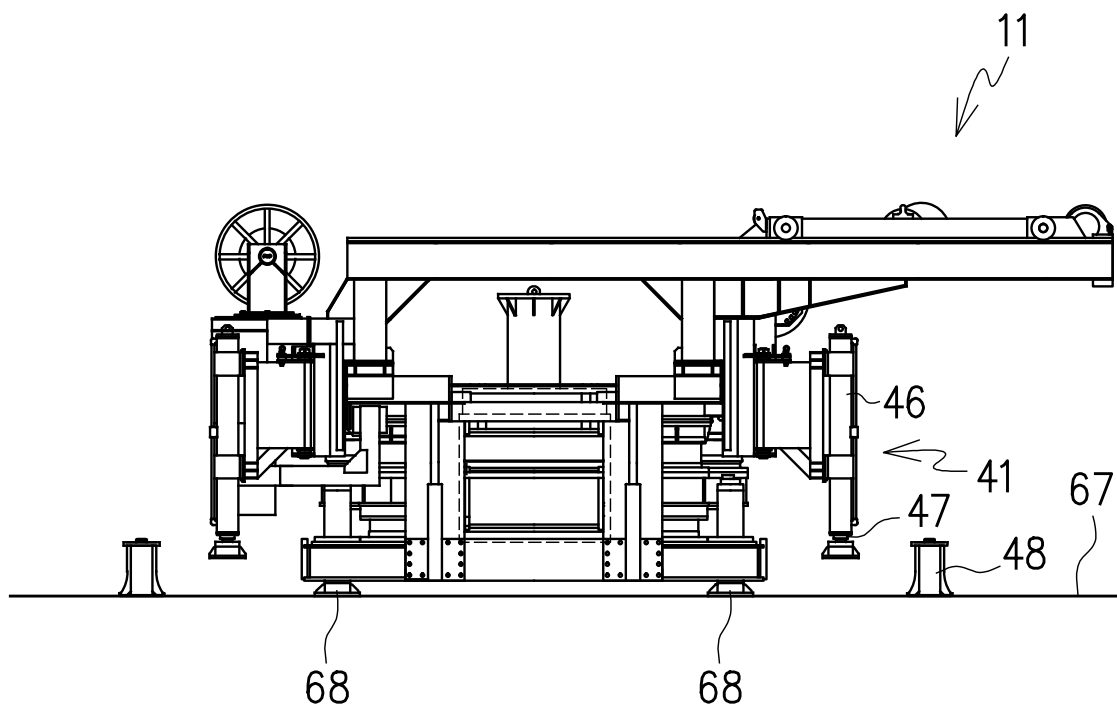


FIG. 10

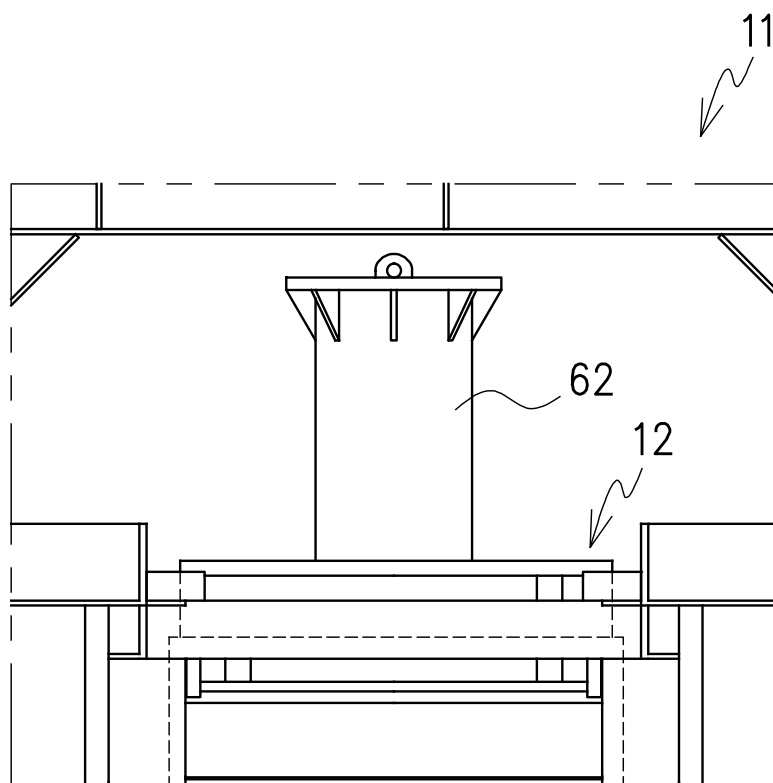


FIG. 11

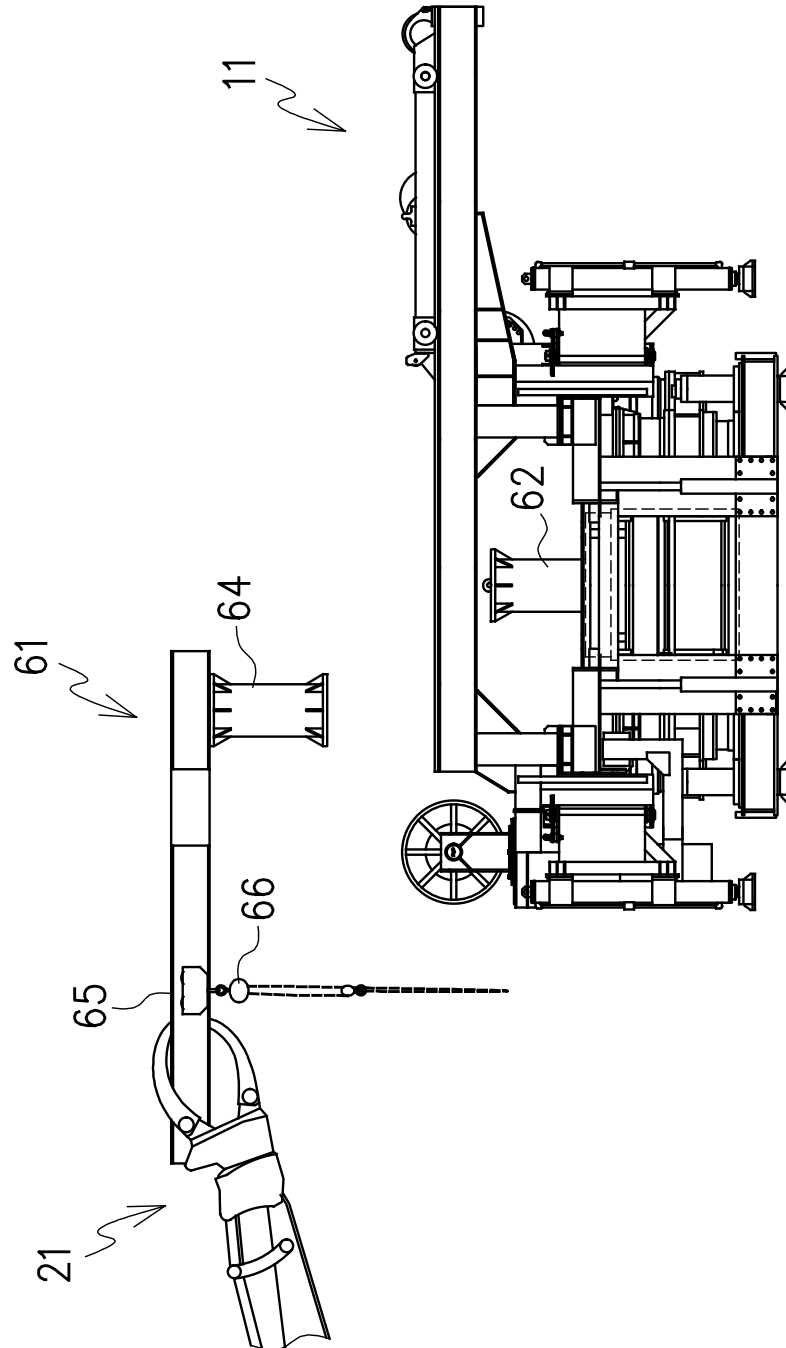


FIG. 12

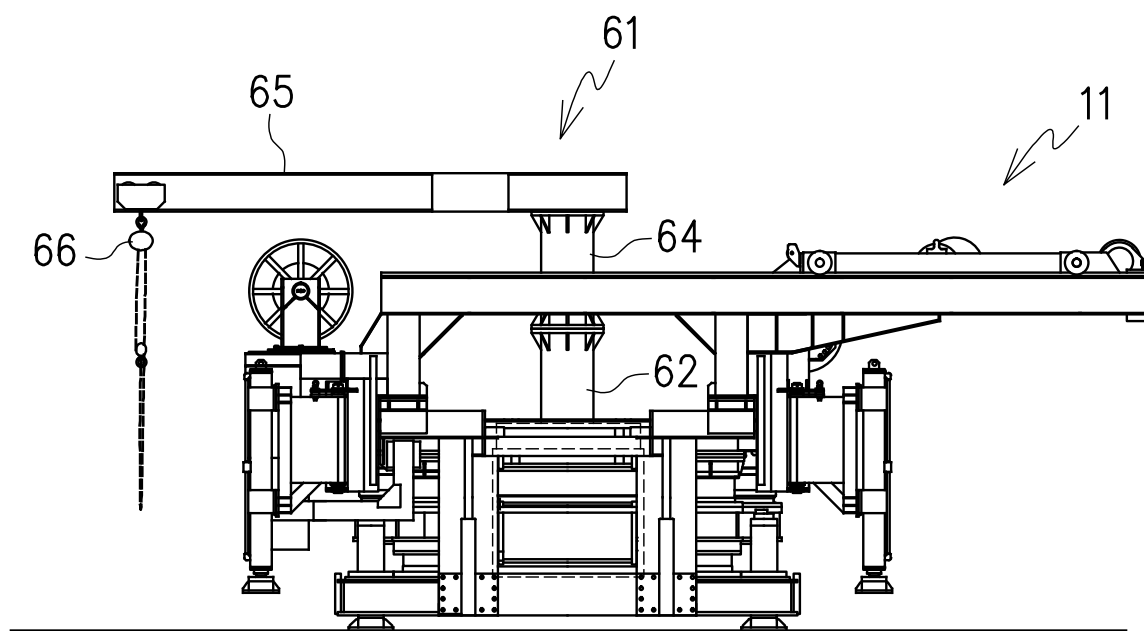


FIG. 13

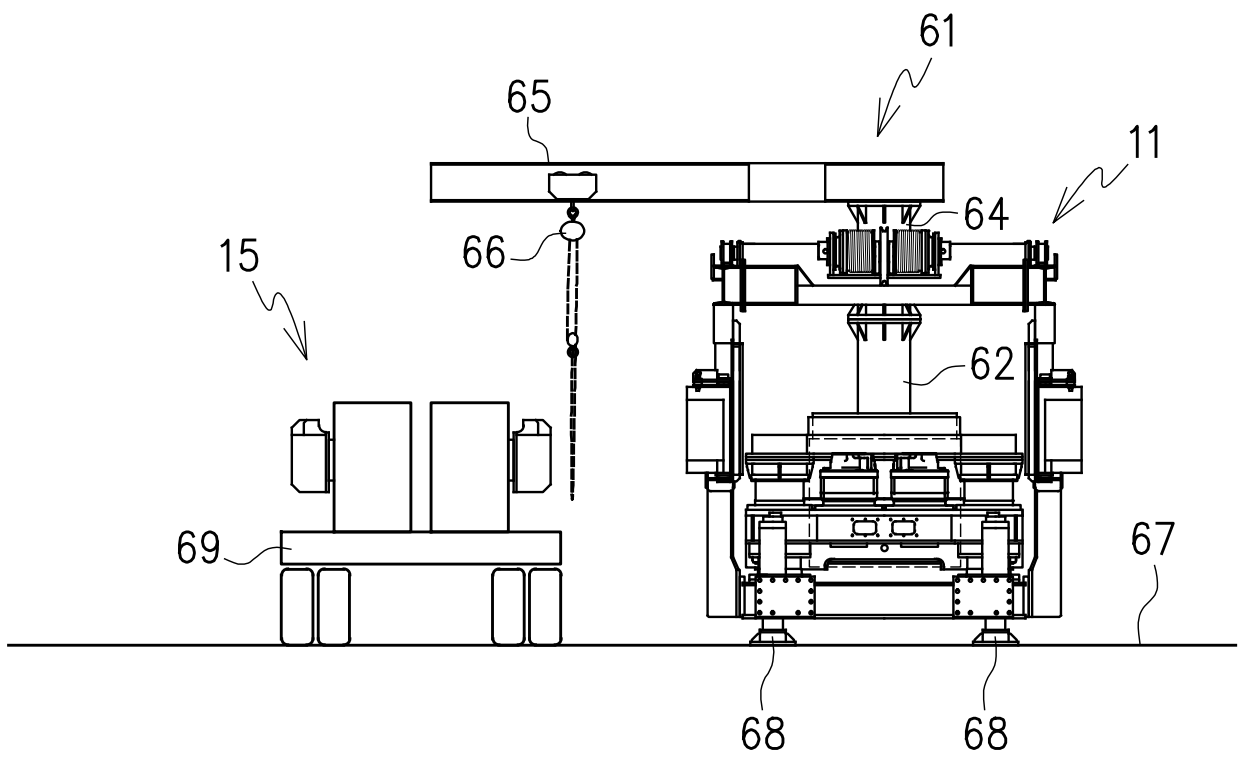


FIG. 14

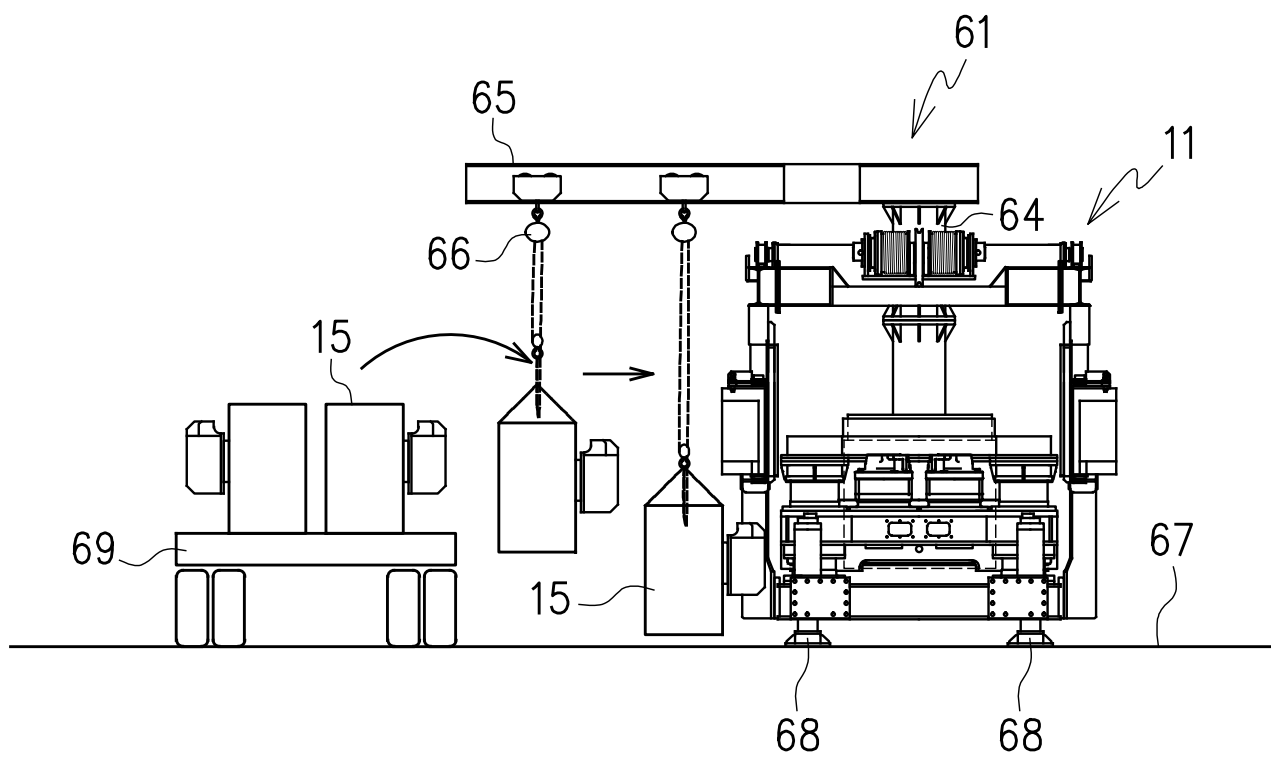


FIG. 15

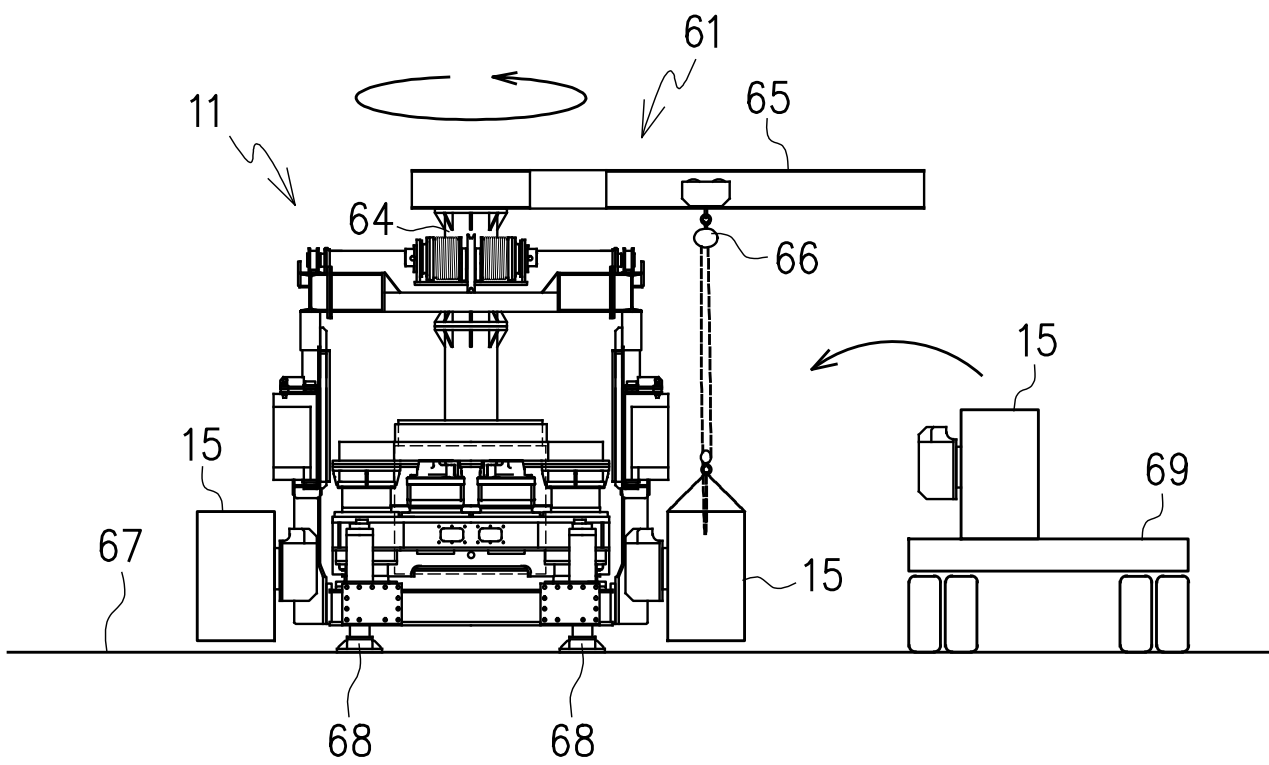


FIG. 16

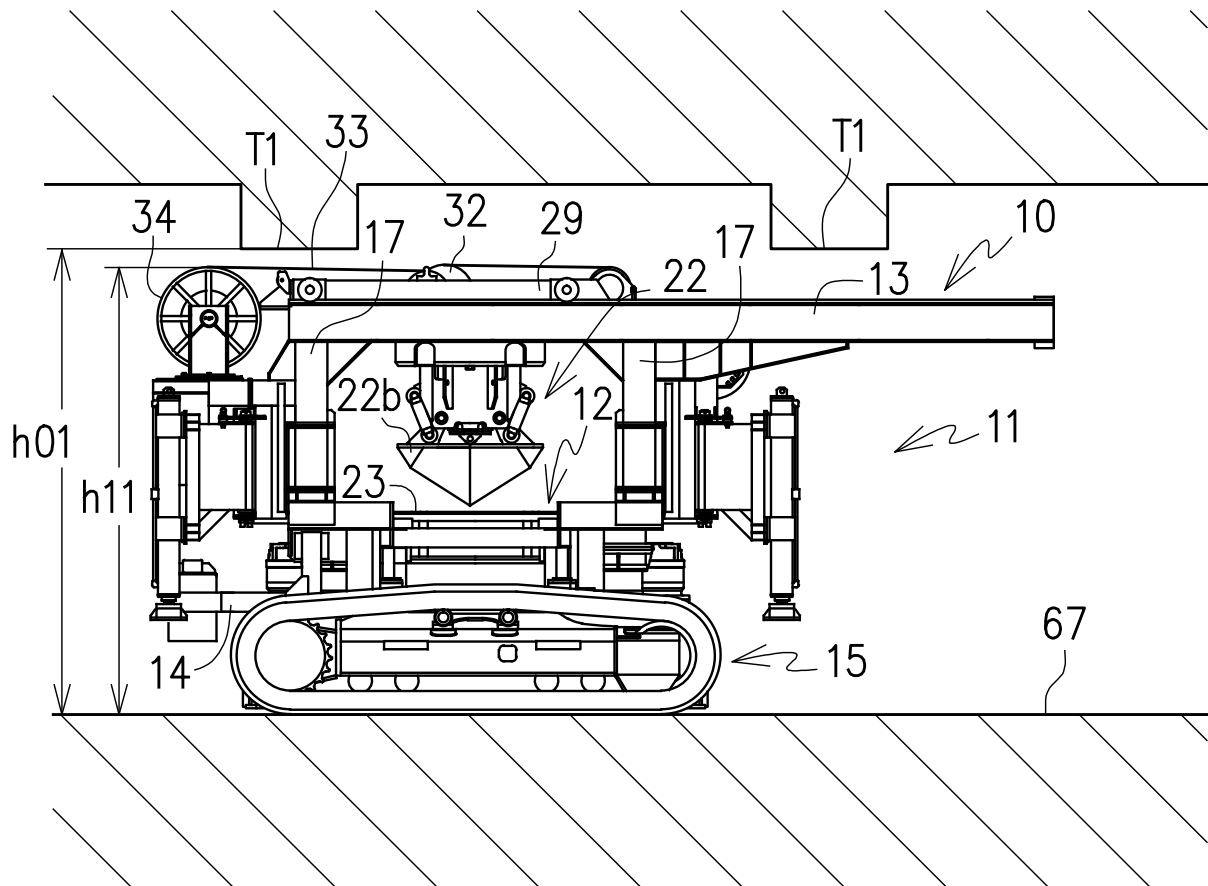


FIG. 17

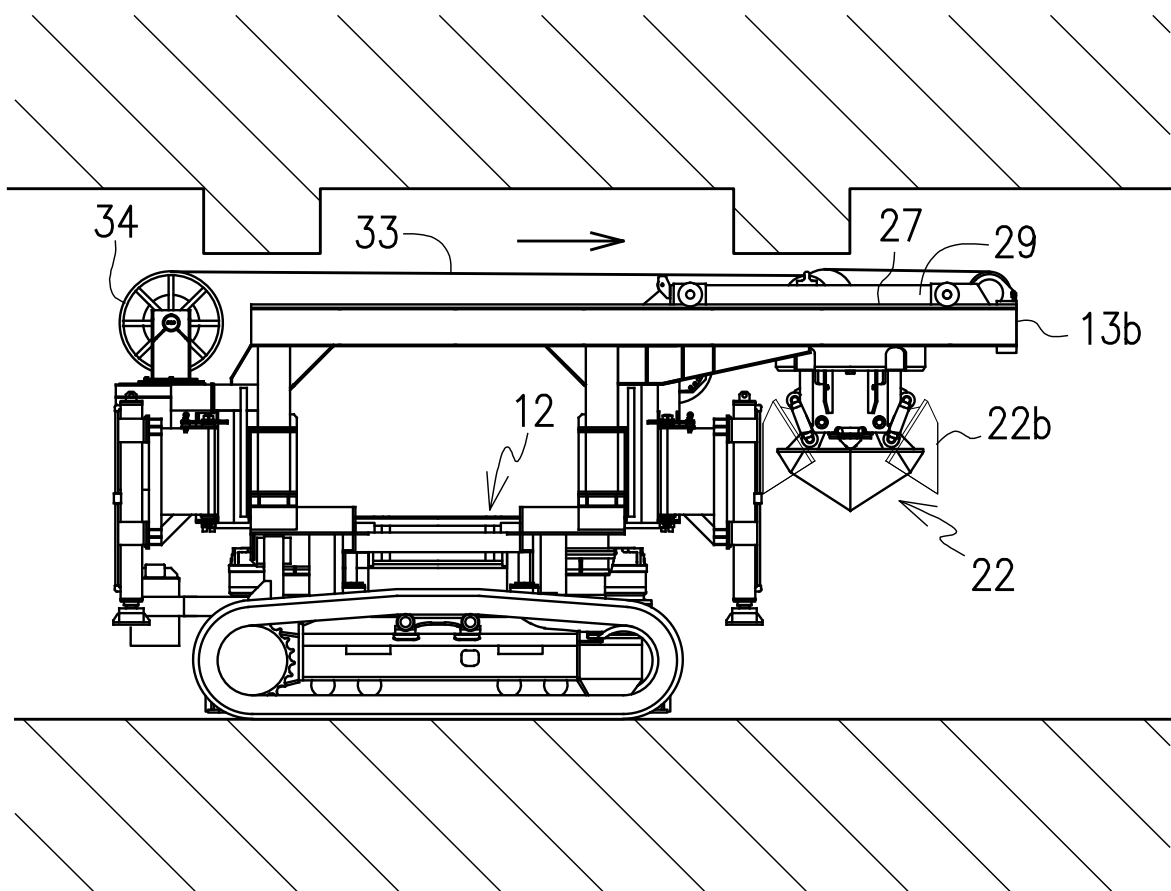


FIG. 18

