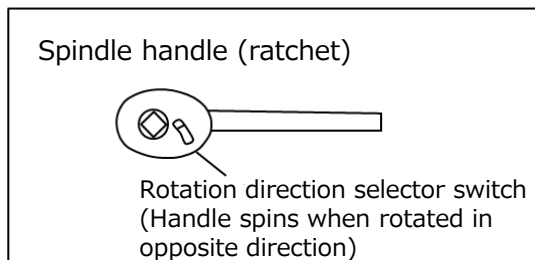
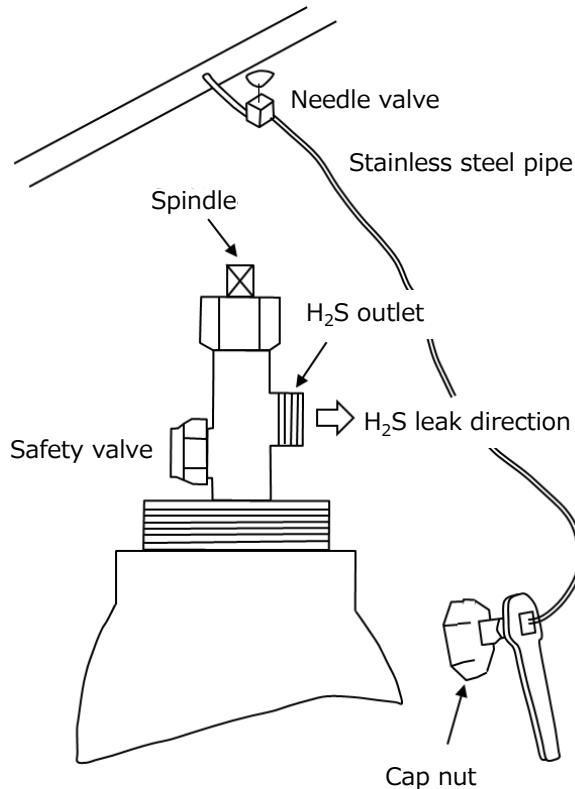


Case involving hydrogen sulfide poisoning during hydrogen sulfide cylinder replacement



[Location of accident]

Outdoor cylinder yard at company that inspects and analyzes steelmaking raw materials and products

[Cause of accident]

While replacing the cylinders, the victim moved a cylinder with a spindle handle attached. The cylinder struck the wall, opening the spindle and releasing hydrogen sulfide gas.

[Damage/injuries]

The victim inhaled the gas and immediately fell unconscious.

The victim was found by a colleague who noticed a noxious odor and was taken to the hospital.

Extract from [Preventive measures]

- [1] Prepare specific work procedures for replacing hydrogen sulfide and other gas cylinders. Use these procedures and provide regular training for staff.



Riken Keiki Recommendations

Wearing hydrogen sulfide monitors allow workers to detect hydrogen sulfide leaks promptly and alerts persons in the vicinity.