

Useful tips when you shovel snow off the roof

What to keep in mind:

- Start working before snow reaches a depth of 1m.
- 80% of the fatal accidents involve people aged 65 or older.
- Falls from ladders account for 50% of the accidents.
- Be careful even when you work on a low roof.
- Do not work when you feel ill.
- Do not work after drinking or taking medicine.
- Do not work alone.

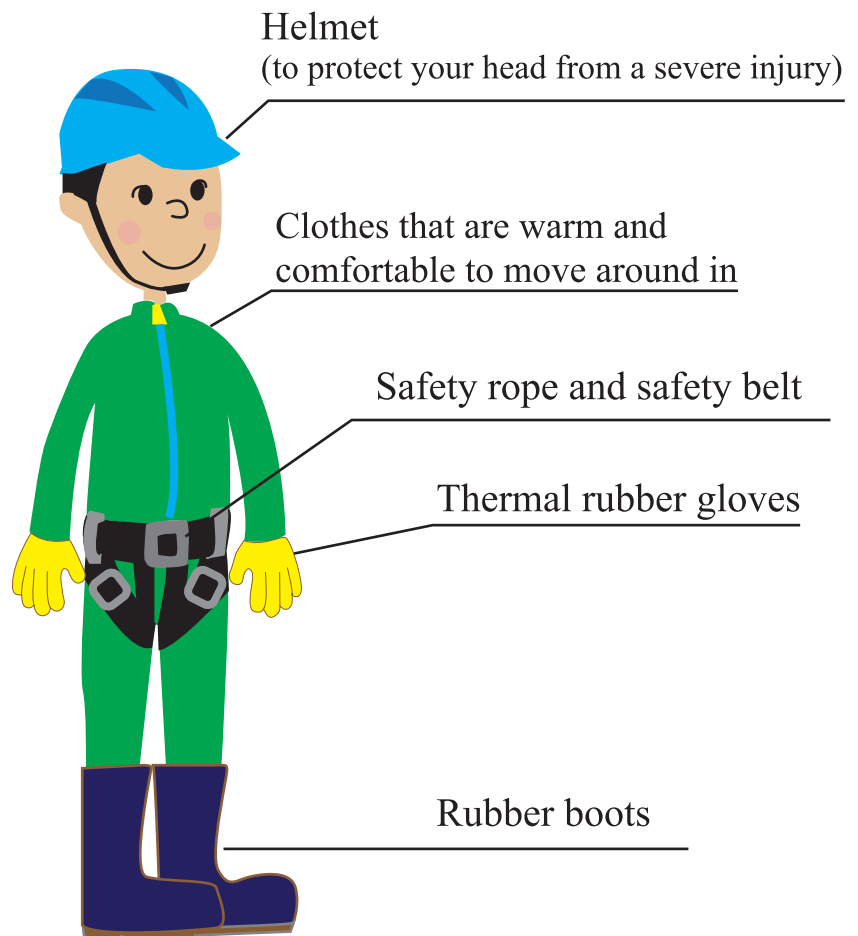
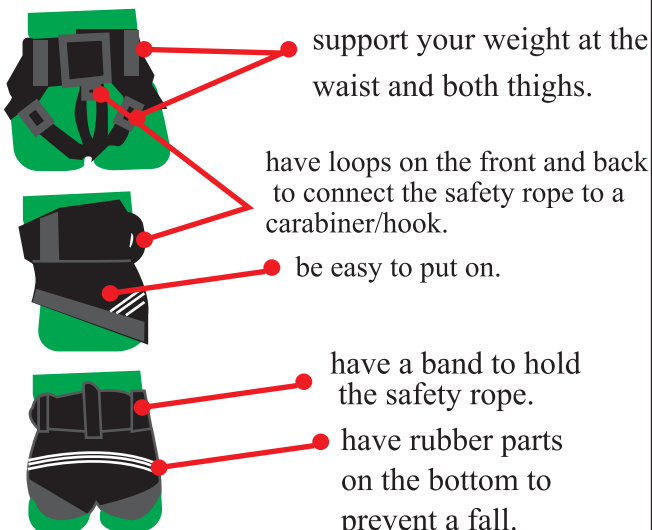
Check these points when you remove snow from the roof:

- Keep enough room for dumped snow as it takes up space.
- Pay attention not to block windows and entrance.
- Do not dump snow onto any chimney, condenser unit, kerosene tank or boiler.

What you need:

- Shovel
- Sleigh shovel
- Rope (Φ8-9mm)
- Carabiner/hook
- Ladder
- Towel
- Change of clothes

Preparation before work Your safety belt needs to:



Shoveling snow off the roof holds great danger.

You need a special care during work.

What you should read carefully about ... !

What you should avoid ⚡

What we recommend ⚙

■ Procedures

1. Put on the equipment necessary for the work. (Fig.1)



We recommend a full harness safety belt.

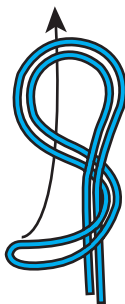
2. Connect a sleigh shovel/shovel to a rope with a carabiner/hook. Eight knot is recommended. (Fig.2)

(Fig.2)

①



②



3. Put a ladder on the roof. See Fig.3 for the right position of the ladder.



Follow the instructions on Fig.3, so you don't have to bend your body when you climb up the ladder.



The ladder needs to be taller than the roof.
(Hasegawa Industries' snow removal ladder is useful.)

4. Stabilize the ladder with an anchor.



Hold the ladder while someone is climbing up.
When you climb up the ladder, hold the rope that connects a sleigh shovel/shovel.

5. Keep an eye for the person on the ladder until he/she has reached the roof.

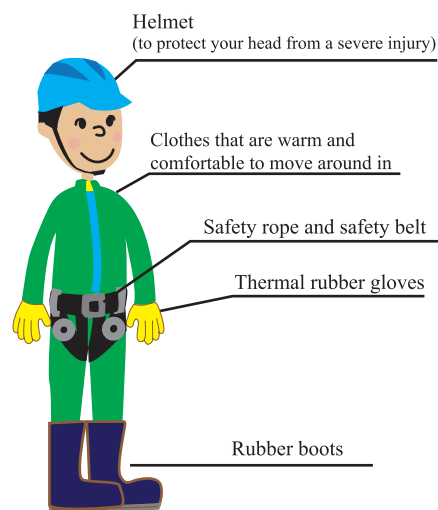
6. Remove snow from the anchor on the roof, and connect the safety rope with it. (Fig.4)



Make sure that the safety rope is shorter than the height from the roof. If not, it may cause a fall to the ground and severe injury.

7. Pull the rope and lift up the sleigh shovel/shovel.

(Fig.1)



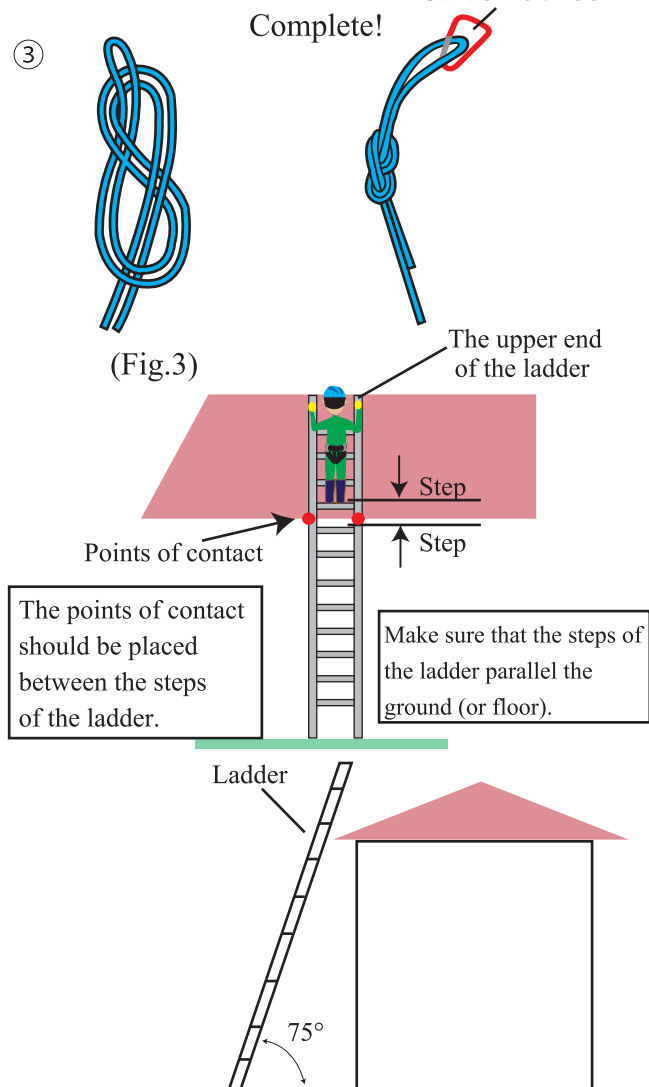
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Complete!

Carabiner/hook

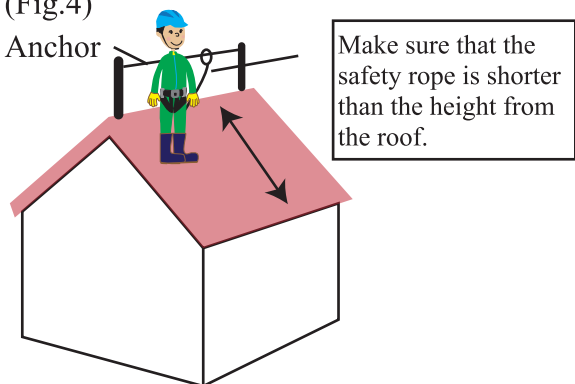
(Fig.3)



Keep the angle of the ladder against the ground (or floor) at 75°.

(Fig.4)

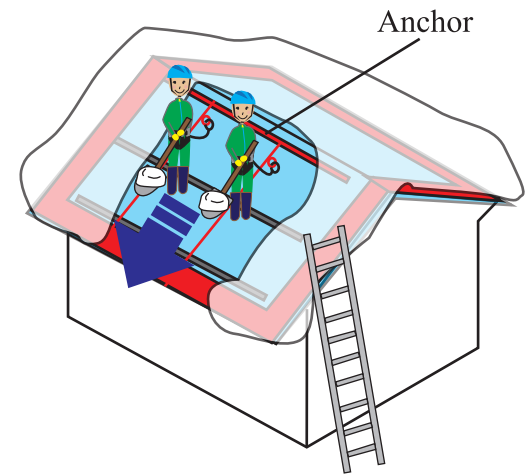
Anchor



(Fig.5)

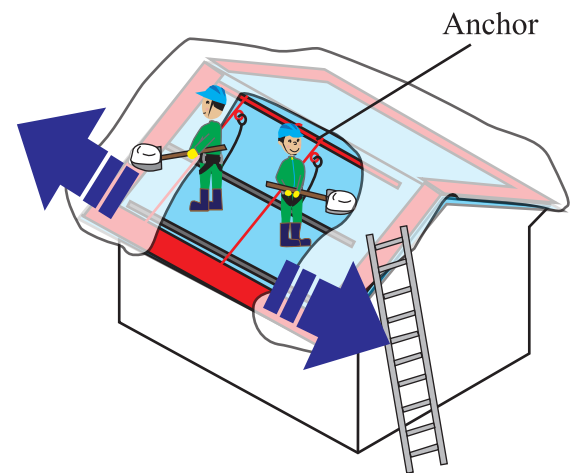
8. Detach a carabiner/hook from the sleigh shovel/shovel.

9. Stand on the center of the roof and dump snow straightly to the ground. (Fig.5)



10. Move sideways and keep removing snow. (Fig.6)

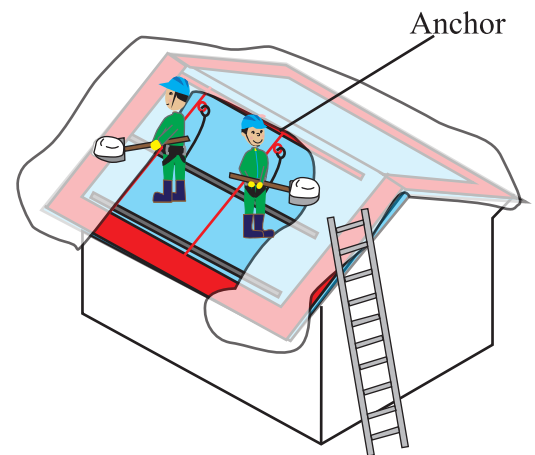
(Fig.6)



11. Avoid stepping on the danger zone during work. (Fig.7)

(Fig.7)

 danger zone



Since removing too much snow makes the roof surface slippery, leave 10-20cm snow as it is.

12. Connect the sleigh shovel/shovel to the rope and put them off from the roof.

13. Detach the safety rope from the anchor and climb down the ladder.



Make sure to hold the ladder while someone is climbing down.

For maintenance of the shovels:

Remove any rust from shovels and wax them.
It prevents snow from adhering.