in common use are ladder, plank, and beam. They are designed for light duty, primarily for men using hand tools.

Ropes supporting swinging scaffolds should be comparable to first grade manila fiber, not less than ¾ in diameter They should be properly rigged into a set of standard 6-in. blocks, consisting of at least one double and one single block

If the scaffold is to be used for acid cleaning or similar purpose, steel cables not less than 5/16 in diameter should be substituted for manila rope Where steel cables are used, a hoisting mechanism must be provided on the end of the scaffold platform

Swinging scaffolds must be hung securely from eaves, cornices, or other reliable supports with properly placed hooks of sufficient strength to provide a safety factor of 4.

Anchorages should be carefully inspected before the hooks and hangers are placed.

Swinging scaffold hooks should be tied off with at least 1-in. manila rope secured to a stack or other stable roof-mounted structure, with safety lines tied off to a lifeline reaching the ground Not more than two men should be allowed to work on a swinging scaffold at one time.

Other safe practices to be followed in the use of swinging scaffolds are.

1 Test the installation before using it by *raising platform about 12 in.* and having two men stand in the middle
2 Inspect the raising and lowering mechanism frequently.
3. Remember that this is a light duty scaffold, designed primarily for operations involving men and hand tools, with a minimum of materials, so do not overload it.
4. Be sure there are at least three turns of wire rope on drums at all times Do not lower the scaffold below this point.
5. Equip the stage with toeboards and a guard rail, properly supported at both ends and in the center.
6. Supply each man working on the swinging scaffold with a safety belt and a lifeline extending from roof to ground Each safety belt rope should be tied to the

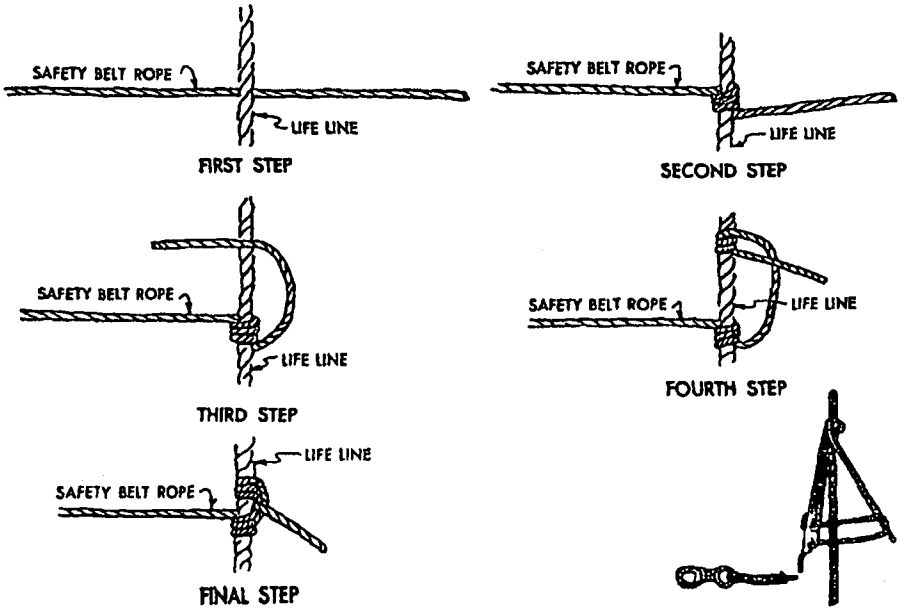


Fig 15-20. Triple sliding hitch used in fastening safety belt rope to lifeline. Lower right: Mechanical rope grab.