

Additional safety rules for crane operators are

- 1 Never pick up a load beyond the rated load capacity of the crane. In case of doubt, call the foreman.
- 2 Never move the load or the crane unless you are sure that you understand the floor signal.
- 3 When there are several hook-on men, obey the signals of the head hooker only. (Obey an emergency stop signal given by anyone.)
- 4 Do not allow the load to swing against the hook-on man or other floormen, make certain they are in the clear.
- 5 When raising or lowering the load, see that it safely clears adjacent stockpiles or machinery.
- 6 Never leave a load suspended.

Following are general safety rules for the hook-on man *

- 1 At the beginning of each shift, check slings and hooks for defects, dirt, and grit. Give special attention to slings to which hooks or rings have been added to make certain they are secure.
- 2 Never use a sling that has stretched or a hook that has begun to straighten (Fig 25-8). Take defective equipment out of service at once, and notify the supervisor so he can have it tagged.
- 3 If one sling in a set needs repairs, turn in the entire set.
- 4 Use a sling heavy enough to carry the load safely. Never overload a sling.
- 5 Distribute the load equally on the legs of a sling. Have as small an angle as possible between the legs and the vertical, the stress on a leg increases as the angle increases.
- 6 See that slings are not kinked, twisted, or knotted. Use an adjuster or wooden wedge if necessary.
- 7 Make sure that the load does not exceed the rated load capacity of the crane.
- 8 Load compressed gas cylinders or acid

carboys *only* in a cradle or similar device

- 9 Center the crane block directly over the load to prevent the load from swinging when it is raised. Be sure load is balanced.
- 10 Set the load in the bowl of the hook, never on or toward the point (unless the hook has been specially designed for such use).
- 11 While hooking or unhooking a load, keep hands out of pinch points. Use hand hooks whenever possible.
- 12 Do not leave separator blocks or short lengths of steel loose on top of a load.
- 13 Before giving the hoisting signal, make sure the load is safe and warn everyone to stay well out of the way in case the load should swing or fall.
- 14 Use only standard signals to direct the operator. Stand where he can see you clearly.
- 15 Whenever possible, walk ahead of the moving load. See that it is carried high enough to clear all obstructions. Use tag or restraint lines where needed.
- 16 *Never walk under a load or permit others to do so.*
- 17 When releasing slings, make sure that they are entirely free from the load.
- 18 Hook both ends of an empty sling to the block before signaling the operator to move the crane.
- 19 Do not drag, throw, or drop slings.
- 20 Pile and block material so that it will not slip or overbalance.
- 21 Use hardwood separator blocks in piles of steel stock or dies.

General safety rules for maintenance

- 1 All machinery and equipment should be shut down and positive means taken to

* Adapted from rules prepared by the Chrysler Corporation, Space Division, P O Box 26018, New Orleans, La 70126