ler (if any) is off Lock, or otherwise secure equipment, to prevent starting by unauthorized persons

16 When parking an outside crane at the end of the shift, always set the brake or chain the crane to the track Lower booms to ground level or secure them against displacement by wind or other outside forces

17 Stop operation and open the power switch if your crane fails to respond correctly Then call your foreman Attempting to get out of difficulty by repeated operation may make the condition worse instead of better

18 Whenever a slack line condition occurs, prior to further operations check the proper seating of the rope in the sheaves and on the drum

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 smoke while operating a crane
7 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 (see Fig 20-8) 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,

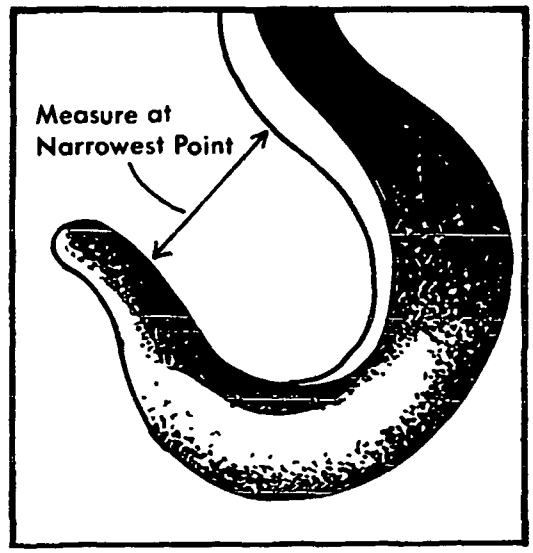


FIG 20-8 —When permanent set of hook is greater than 15 per cent in excess of normal throat opening, the hook should be replaced

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