The Chief Mechanical Engineers
All Indian Railways except NR

Sub: Innovations and system improvements in Indian Railways

CME/NR through his MCDO for the month of August, 2013 has informed about the following innovations/system improvements carried out by NR on the freight side:

- Wagon gap Device for CBC Knuckle Changing
- Pivot Top Plate Fixing Device

The same is enclosed for your kind information.

Encl: 2 pages

Copy to: EDS(W)/RDSO

(Gaurav Puri)
Deputy Director, M(N)
Hydrants in washing line are often leaking. This results in water wastage and water clogging in the pits, and comes in the way of safety of trains. Using old coach isolating cocks, we have developed modified hydrant valves. These valves have zero water leakage. These have been installed in both new & old washing lines of LKO.
after replacing the knuckle is eliminated. The under gear examination gang can easily change the knuckle with the help of this device. Thus saving lot of valuable time, man power as well as reduction in DVS.