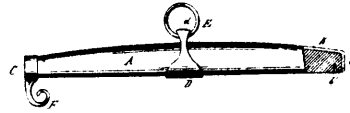
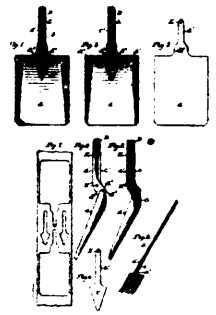


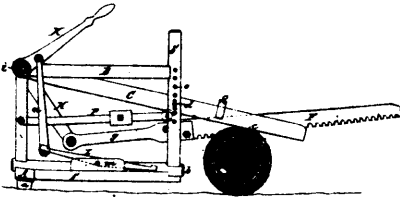
12628 Porter's Improvements on Bolt Clippers.



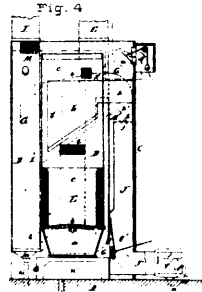
12630 Warren's Improvements on Whiffletrees.



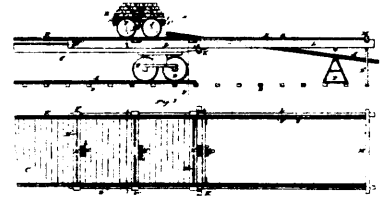
12632 Chisholm's Improvements on Shovels, Spades and Forks.



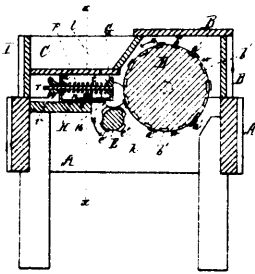
12633 Dean's Improvement on Drag Sawing Machines.



12634 Gouge's Improvements on Apparatus for Heating and Ventilating Cars.



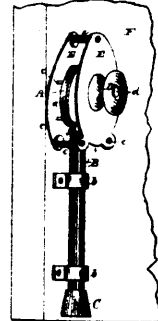
12635 Harris's Improvements on Cars for Constructing Railways.



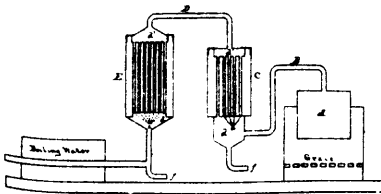
12636 Ricker's Improvements on Corn-shellers.



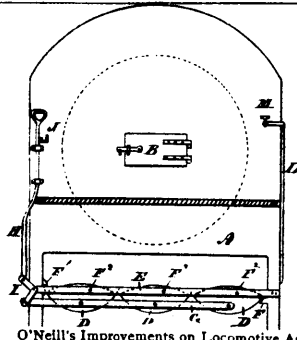
12639 Bowen's Improvements on Bed Bottoms.



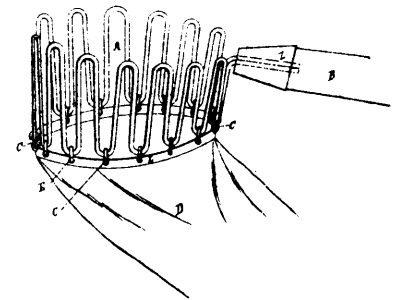
12640 Hooper's Improvements on Door Checks



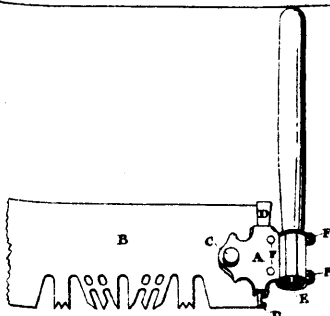
12641 Frasch's Apparatus for the Fractional Distillation of Petroleum.



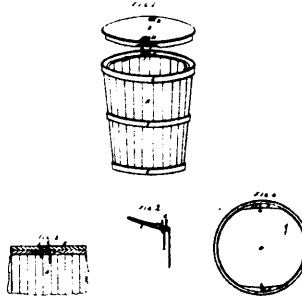
12642 O'Neill's Improvements on Locomotive Ash Pans.



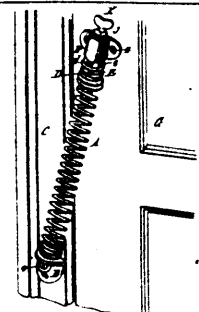
12643 Ross's Improvements on Fruit Pickers.



12644 Robertson's Improvements on Cross Cut Saw Handles.



12645 Goodwin's Improvements on Butter Tubs.



12646 Davis's Improvements on Door and Gate Springs.