

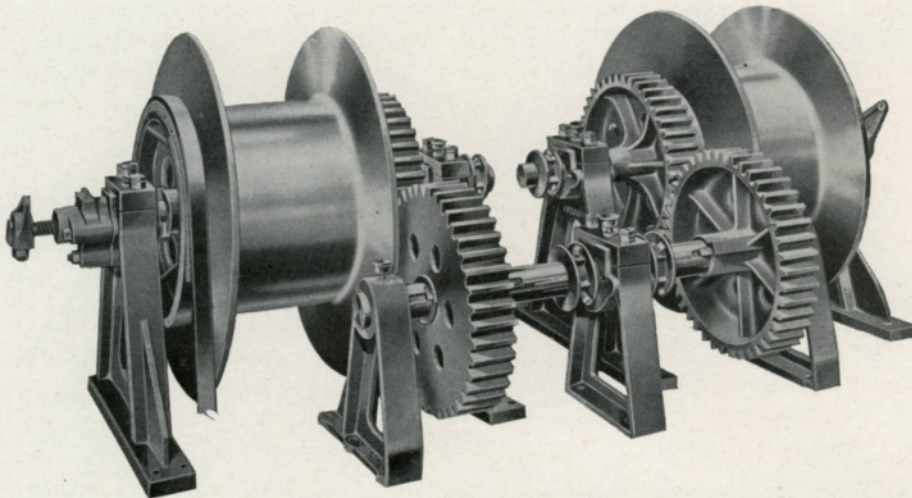
Two line single end, operating two skidding lines from one end, equipped with one double cylinder engine.

Each of these styles is built for horse outhaul, or for cable outhaul. Using animals for outhaul, the skidding line is limited by the speed of the horses, which is about 300 feet per minute. With cable outhaul the usual speed of the skidding line is 500 to 750 feet per minute bringing in the log, and 1,000 to 1,500 feet per minute taking the line back with the outhaul cable, depending upon the size and style of the engine.

The mechanical or cable outhaul machines are equipped with extra drums for carrying a setting line for each outhaul cable. This setting or "straw" line is

usually three-eighths inch wire rope, which weighs only twenty-two pounds per 100 feet, and is used for pulling the outhaul cable around the setting through the outhaul blocks. The small setting cable is easily carried out ahead while placing the outhaul blocks for the next setting and thus quickly running out all the outhaul lines at one time.

Each engine is equipped with one decking drum for each skidding line which is used for decking or lining up the logs at the track. This helps out the loading without decreasing the efficiency of the skidding operation or requiring any additional help, because the decking is easily done while the skidding line is out for the next log. In fact, the decking feature really expe-



Outhaul Drums, not on Horse Outhaul Skidders, but may be installed on most machines originally built for Horse Outhaul