

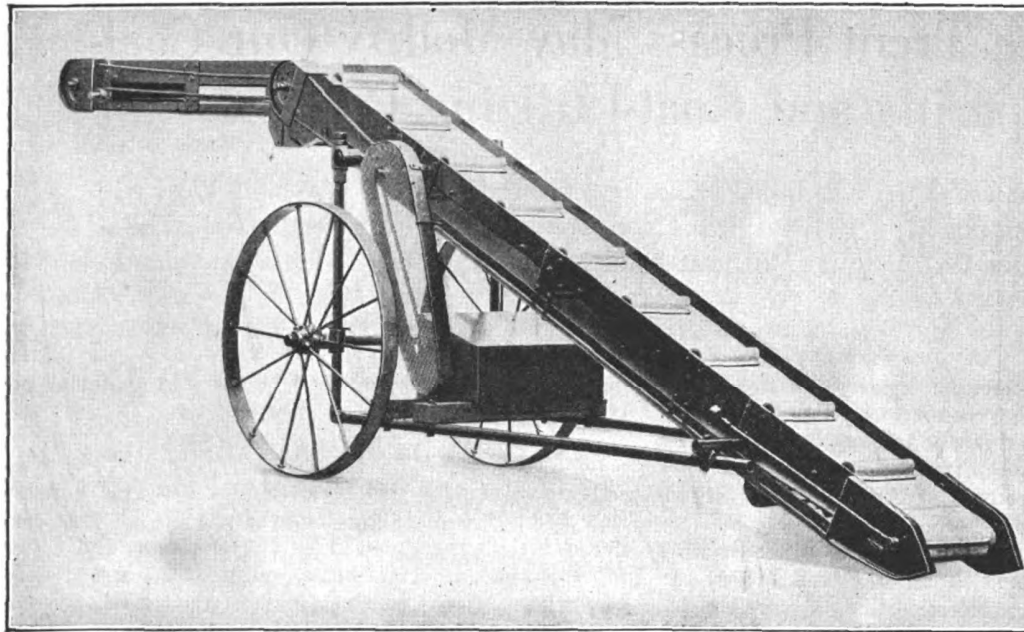


FIG. 1.  
Mine Car  
Loader

This is a coal conveyor which raises and transports the coal but does not gather it. A man can load more material onto the low and handy point of a conveyor than into a car at a distance. Moreover the coal is delivered with less breakage, which is just as important in the mine as outside.

the material to be scraped onto the carrying belt instead of it being necessary to lift it by shovel or fork, thus saving much labor in loading.

The machine is of light weight but sturdy construction and is mounted on large-diameter wheels that can be readily rolled over ties, rails or similar obstructions. The wheels need not rest on the room track. This allows moving the feed end of the loader over a large area without swinging the discharge end away from the car.

This device is fitted with suitable electric or air motor to meet the requirements of the mine in which

it is employed. The machine is built in regular, special large, and special small sizes, the latter being shown in Fig. 1.

Fig. 2 suggests the ordinary application of the standard size loader as well as the use of a removable-plank feeding platform that saves labor under conditions where it is possible to throw down the material as shown. When using the loading platform, a number of planks are placed over the feed end of the loader. The material is then brought down on the platform, after which it may be fed readily to the conveyor by removing one plank after another.

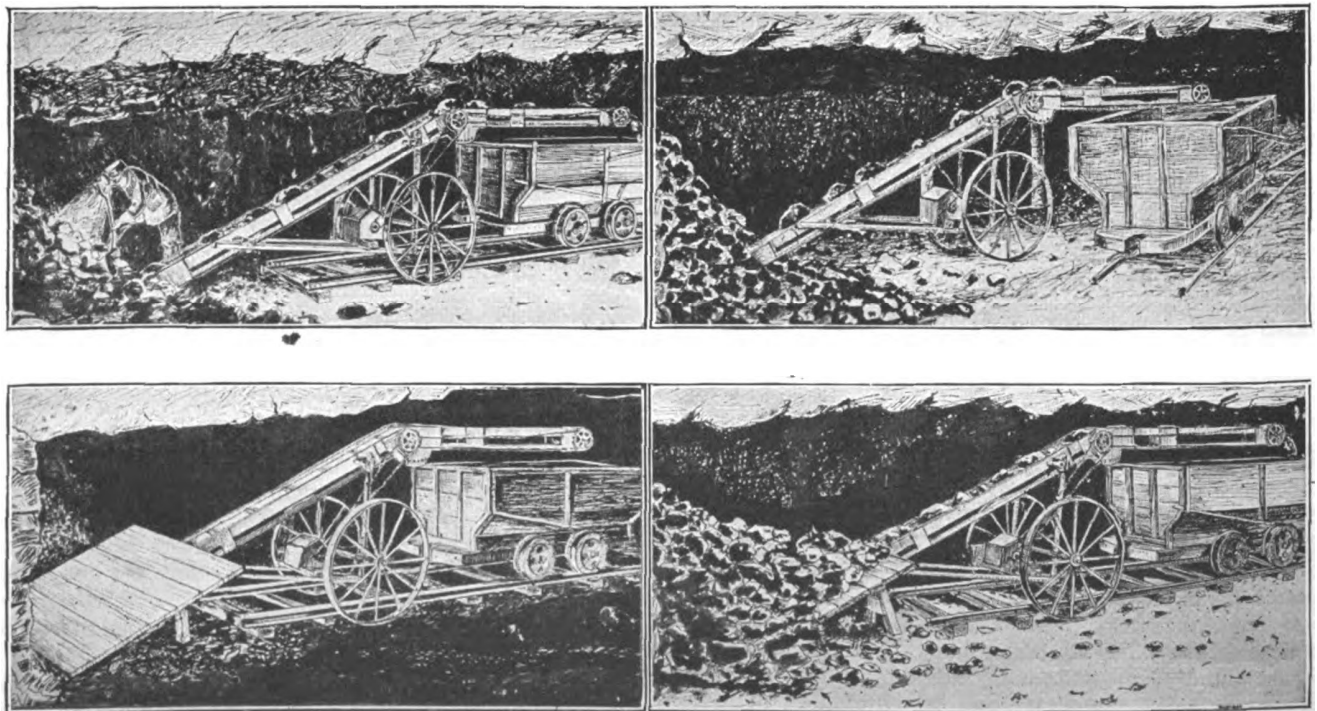


FIG. 2. APPLICATIONS OF THE MINE-CAR LOADER TO DIFFERENT CLASSES OF WORK

The upper left-hand corner shows the loader straddling the mine track and loading a car immediately behind it. Note how readily it reaches the end of the car which

in hand loading has often to be filled by the miner who is trimming the load. In the upper right-hand corner the conveyor is shown on the track and loading at an angle.

In the lower left corner a platform is shown with heavy legs. The coal can be blown down on this platform and scraped down from the pile into the conveyor.