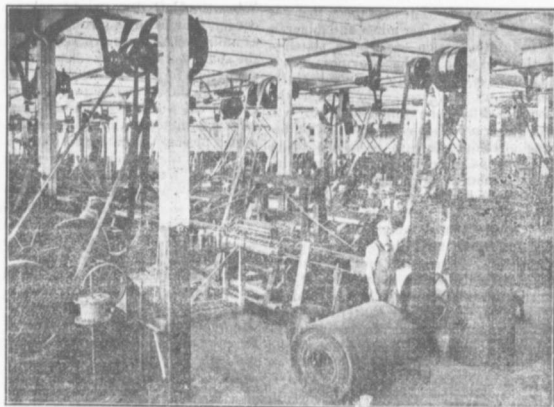
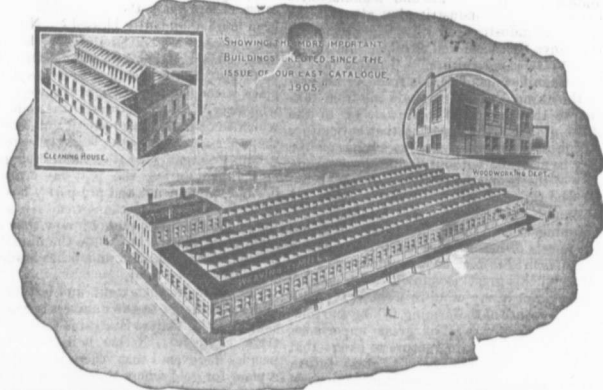


added many new lines to their already extensive business.

In 1889, The B. Greening Wire Co. was incorporated as a joint stock company, with Samuel

Owen Greening as president, since which time important additions have been made to their buildings and machinery.



FIGHTING FIRES WITH SAND.

Sand has been successfully used to fight culm bank fires. Sand obtained as a waste product is loaded on tipping trucks, and hauled to the top of the heap by an endless rope. The distributing plant, which can be removed from place to place, as required, consists of a metal scaffolding, provided with an electrically operated bucket elevator, which carries the sand up to a height of about 20 feet. At this elevation it is discharged into a hopper and mixed with a strong flushing current of water; the mixture is then carried

down a delivery pipe about 100 yards in length, to that part of the heap which is to be covered with sand. The space in question should have been previously surrounded by a low bank of earth to compel the water to run down into the heap and leave the sand on the surface. This method has given remarkable results. At one colliery a culm pile 12 acres in extent has been covered and now gives off only slight traces of smoke. The cost of the plant was £350, and during 18 months, the 12 acres were covered at an expense of £200 per acre for labour and water, the sand having been obtained for nothing.