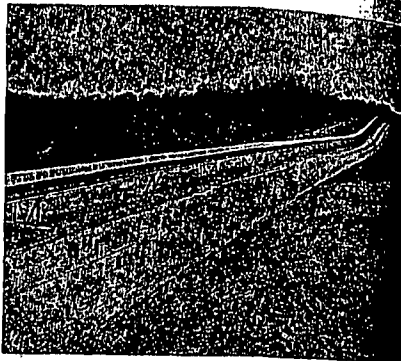
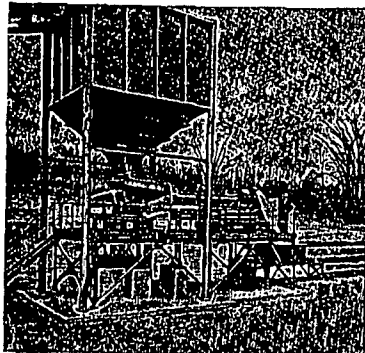
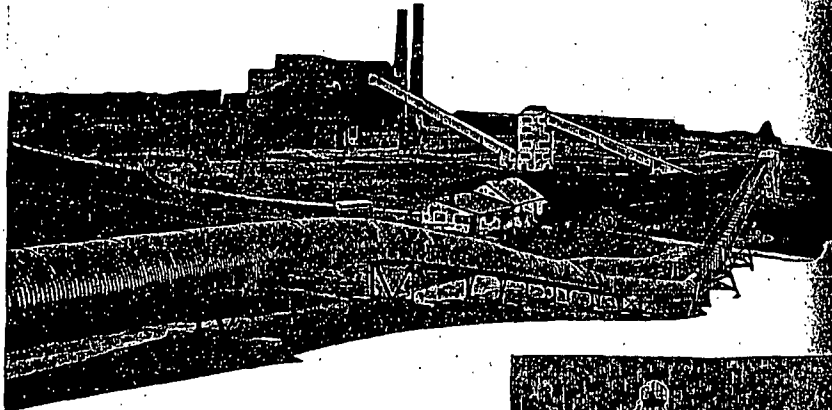




JEFFREY ENGINEERING... FOR THE LONG HAUL

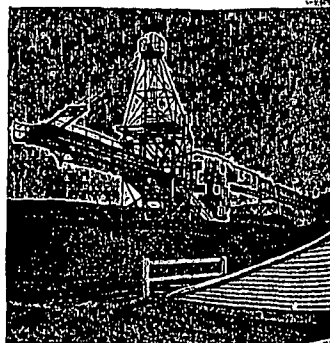


(center above) Overall view showing Jeffrey decline conveyor leading from transfer point to Jeffrey Boom Storage Conveyor.

(top left) Jeffrey No. 3150 Waytrol, at mine storage area, feeds coal at required rate and keeps automatic record of time and tonnage.

(top right) Decline conveyor leading down from transfer point. Note three-quarter covers for protection from sun and weather, open on lee side for easy and continuous inspection.

(right) Jeffrey Boom Storage Conveyor located to feed hopper over belt conveyors to power plant. Excess coal is moved to nearby ground storage.



300 tons an hour...570 feet per minute... at Columbus and Southern Ohio Electric Co. plant

The problem was to draw coal overland from mine area 6,739 feet from the plant site of its Poston station. The road distance for truck or rail haulage was much longer.

Careful studies indicated belt haulage by the direct route would be most economical. Jeffrey engineers were given the job of designing and installing what is believed to be the longest belt conveying system in the country using a 24" belt.

Coal for the Poston power plant now feeds in measured and weighed quantities from the mine supply by means of a Jeffrey Waytrol onto a 3,448 foot incline belt with a lift of 172 feet. This takes it to the transfer point where it starts a 3,291 foot decline

to the plant. Both belts, 24" wide, carry 300 tons of coal an hour at 570 feet per minute over Jeffrey Reliance idlers.

At the discharge end a 36" Jeffrey Boom Storage Conveyor feeds the hopper. Two Jeffrey-Traylor Vibrating Feeders at the bottom of the hopper feed 300 tons an hour onto a 36" belt conveyor that rises to the crusher house. A 36" belt under the crusher carries the same 300 tons an hour into the plant to keep the big Poston bunkers continuously fed.

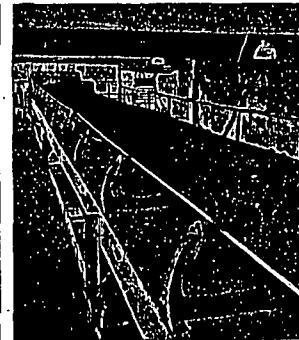
That's Jeffrey engineering... for the long haul, accurate weighing, the correct feed, and the proper size.



Jeffrey-Traylor Vibrating Feeders at hopper bottom.



Jeffrey Crusher for reducing oversize coal to the desired stoker size.



Incline belt in gallery to Poston bunkers.



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Columbus, Ohio

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