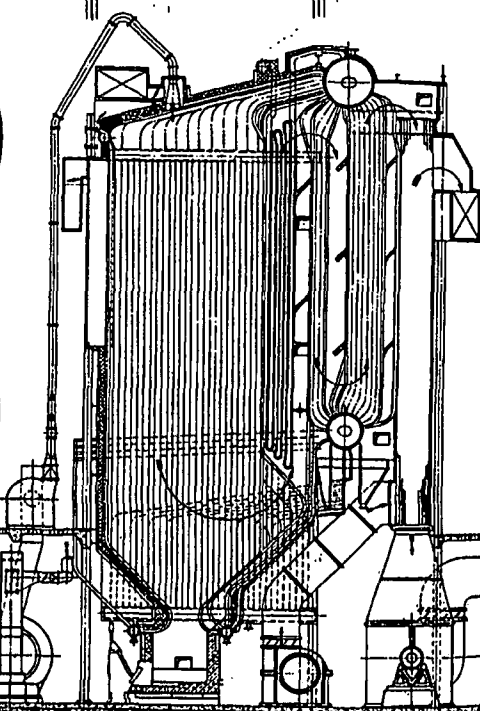
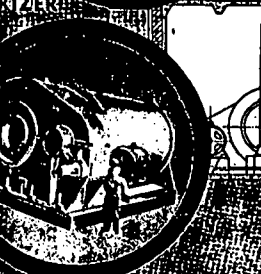
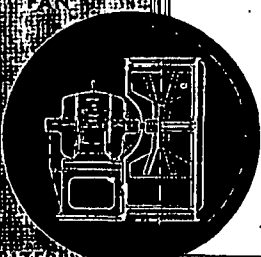
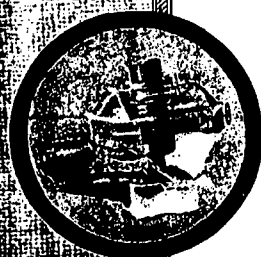


KVS Engineered Steam Generation

... for maximum economy on any grades of coal

FEEDER



FEEDER

The KVS Enclosed Disc Feeder assures control of the air to mill and prevents dust from escaping to boiler room. Accuracy of feed is not disturbed by moisture in room.

FAN

KVS Fans for pulverized coal equipment are lined with Herculite Steel. They are made in sizes from 20" to 100" and are designed for motor, pulley or steam turbine drive.

PULVERIZER

The KVS Integral Drive Air Swept Tube (ID) assures perfect pulverization by air operation. The basic principle of operation is exclusively KVS. Superfine pulverization with coal ground in air results in the preparation of a carburized fuel, reducing oxygen and carbon to combine for richer true radiant combustion. All grades of coal can be properly prepared at low cost for power and maintenance.

COAL BURNER

Combustion with the KVS Coal Burner results in high furnace temperatures on all grades of coal handled. The Burner, of

either the rotary or vortex type, is low in first cost and maintenance and high in availability. High turbulence completes carburization of the coal.

SHADOW WALLS

KVS design provides for wide range or base load operation on all fuels. Desirable features include low first cost, low maintenance, and ability to maintain a high furnace temperature at low or high ratings resulting in high furnace efficiency.

TANGENT TUBE REAR FURNACE WALL

This feature in conjunction with shadow walls eliminates refractory maintenance between furnace and superheater pass. It permits higher furnace temperatures resulting in greater radiant heat transfer and increased furnace efficiency.

PREHEATER

KVS Air Preheaters assure high overall efficiency with low exit gas temperatures. They are of the downdraft gas and cross counterflow air type. Gas passes inside preheater tubes and air outside. Draft loss and pressure drop are minimized. Gases

having high sulphur content can be safely handled.

SUPERHEATER

Control of final superheat temperature is effected either by direct, separately fired, thermostatically controlled design providing high transfer rate by radiation or through the use of a convection superheater situated in the first gas pass and a thermostatically controlled bypass damper. Uniform steam temperatures are assured at all ratings.

STEAM PURIFIER

The KVS cyclone type steam drier and purifier produces steam in which the impurity carryover is less than .3 parts per million and the moisture content less than 1/4 of 1% with 100% feed water makeup. Recontamination of boiler water is eliminated by collecting solids and removing them from the boiler.



KVS Steam Generating Equipment has been performance proved over the years. KVS offers a complete service in design, building and erecting complete plants under one responsibility. KVS engineers are available for consultation on your requirements. Ask for a copy of 87-page Engineering Bulletin No. 44-B containing valuable information on preparation of pulverized fuel and steam generating plants.



Kennedy Van Saun
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