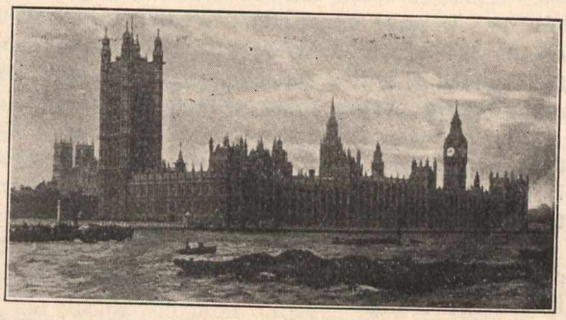
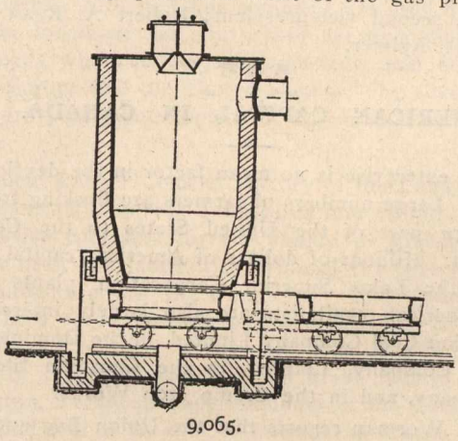


British Houses of Parliament.

GREAT BRITAIN.

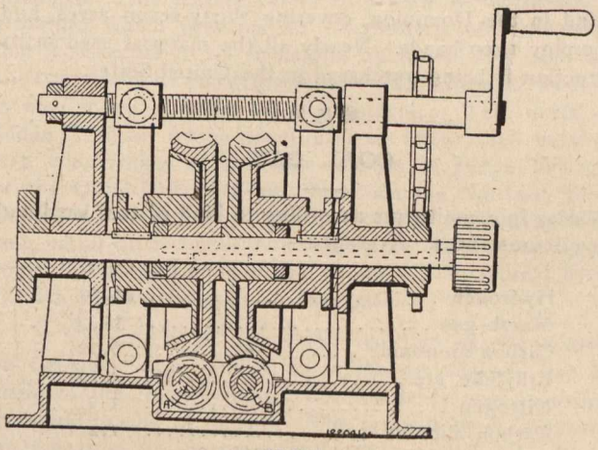
Grates for Gas Producers.—Blezinger.—9,065.—The grates of gas producers are made to travel on wheels, an empty grate being placed in front of the gas producer in



9,065.

such a way that it pushes away the full carriage under the producer with its entire contents of ash clinker and coal residues, whilst the empty wagon takes its place and receives the burning column of fuel now freed from clinkers and the like.

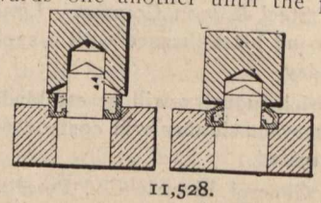
Apparatus for Imparting, Transmitting, and Reversing the Motion of Machinery.—Horsfall.—12,204.—The apparatus consists of a first-motion shaft A, having a second shaft B geared thereto, worms mounted respectively on said shafts



12,204.

which gear with worm wheels freely mounted on a third shaft, said worm wheels being each provided with a friction C clutch for causing the third shaft to rotate in either direction.

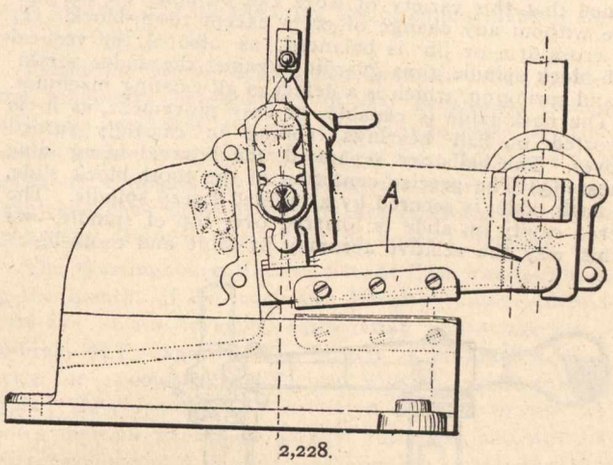
Spring or Elastic Washers.—Spiegel.—11,528.—When the nut is tightened the inner edges of the washer are approached towards one another until the projecting of the



11,528.

lower part comes into contact with the upper part, the washer, however, still retains its elasticity, thus ensuring rigid bolting.

Shears.—Vernet.—2,228.—Relates to shears in which the lever A carrying the movable knife is jointed at its front part and its rear part respectively to a slide block B adapted



2,228.

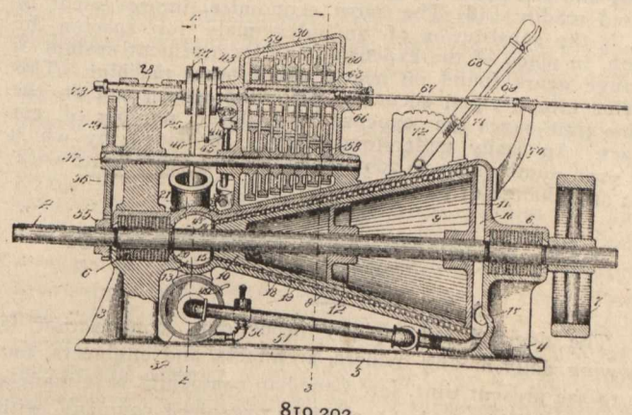
to be raised or lowered by lever mechanism, thus making it possible to ensure a variable inclination of the cut of the upper knife and a crossing of the lower knife, which is likewise variable.

Capitol, Washington, U. S. A.

UNITED STATES PATENTS.

Specially selected and abridged by **Messrs. Siggers and Siggers,** Patent Attorneys, 918 F. Street, N. W., Washington, D. C., U. S. A.

Gas Turbine-Operating System.—Henry F. Blackwell, New York, N. Y.—819,202.—The present invention pertains to an organization of devices designed for the conversion into power of the high velocity of discharge through small orifices of the products of combustion of a suitable fuel. It consists of an explosive-engine, a pumping element operatively connected with the shaft of the engine, a set of valves for the pumping element, a set of cams actuated from the engine-shaft and arranged to operate said valves to



819,202.

cause the pumping element to feed explosive mixture to the engine, a second set of cams actuated from the engine-shaft, and arranged to cause the pumping element to operate as a prime mover and thereby drive the engine-shaft, a third set of cams actuated from the engine-shaft and arranged to operate said valves to cause the pumping element to feed air to said explosive-engine, and means for shifting the sets of cams to bring them into position to operate the valves.