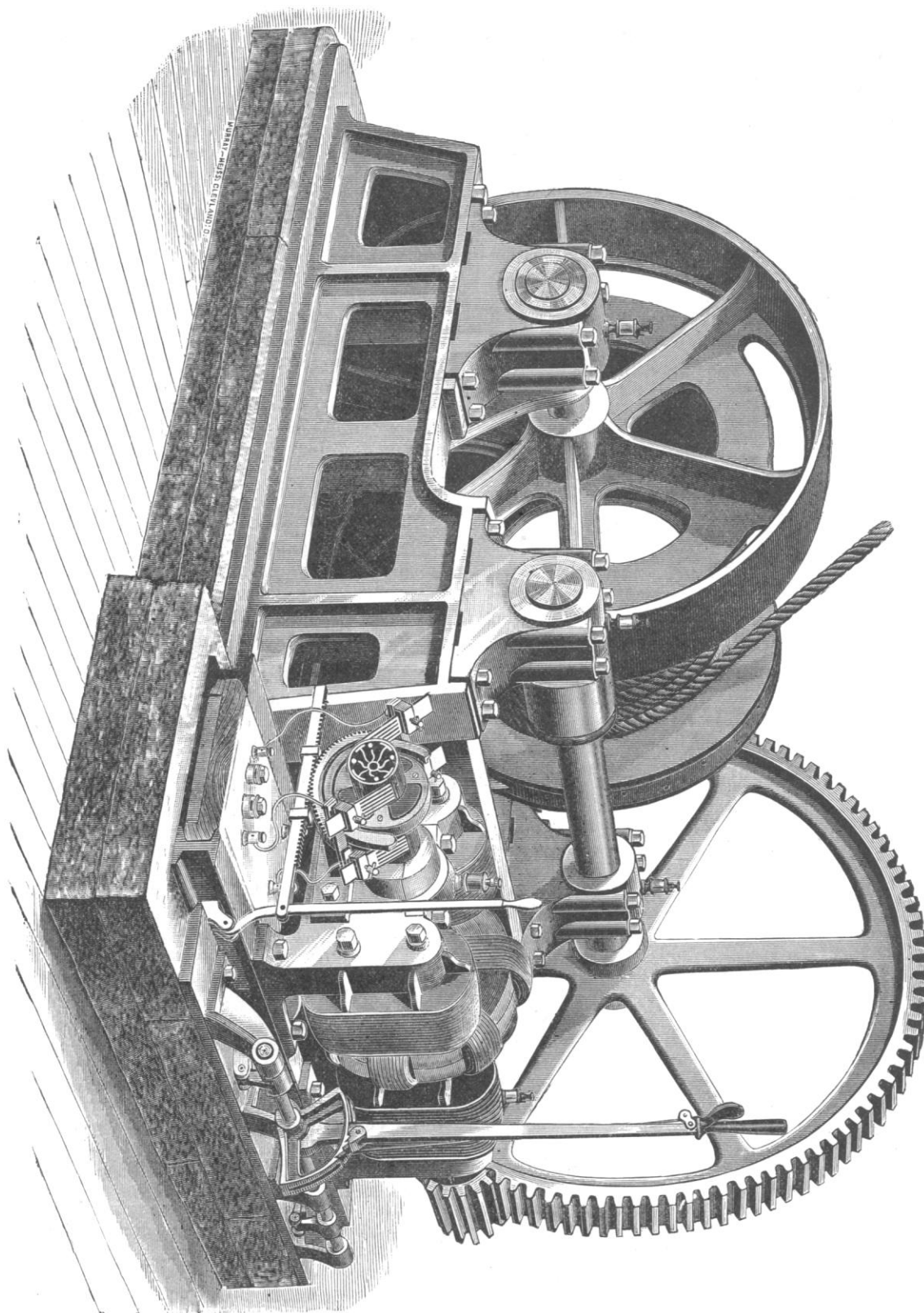


THE BRUSH ELECTRIC HOIST.

A COMPACT combination of an electric motor with a winding-drum, for hoisting purposes, is shown in the engraving on this page. The motor, which is of the well-known Brush make, is of

cess of the Brush Company's electric plant in the Chollar mine, which was illustrated and described in *Science* some months ago, has resulted in attracting the attention of the company to the vast field for the use of electric power in mining operations; and this electric hoist is an attempt to supply the demand that is already

BRUSH ELECTRIC HOIST FOR MINING AND OTHER PURPOSES



fifteen horse-power, and is mounted on the same base as the hoisting-drum, which is of the Walker pattern. A gear pinion on the armature shaft meshes with the large gear-wheel, which in turn actuates the winding-drum by means of friction pulleys. The suc-

cess made in that direction. This company have contracted to equip the copper mines of the Calumet & Hecla Company at Calumet, Mich., with five eighty horse-power electric motors and five one hundred and thirty horse-power dynamos.