

The Knowledge Bank at The Ohio State University

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Title: 35 Tons of Steel Saved

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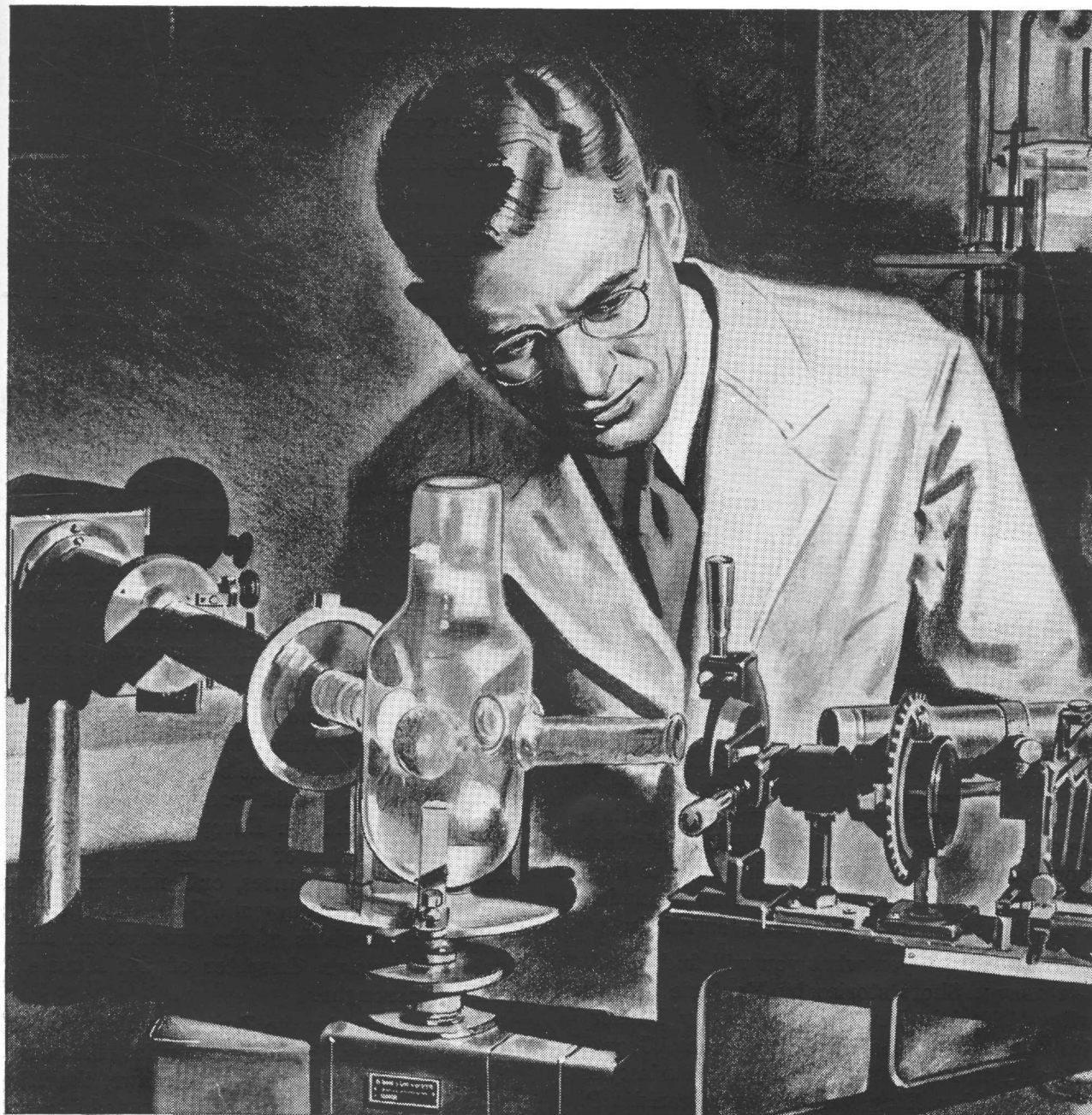
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35 TONS OF STEEL SAVED

Saving strategic war materials is religiously being carried out by the great majority of American plants. One company reports that a saving of nearly 35 tons of steel was made recently in the construction of a 6000 kw. motor-generator set. Instead of the usual construction consisting of two 3000 kw. units, the machine was made up of three 2000 kw. units. Operation at 565 rpm instead of 352 rpm, was thereby possible. At the higher speed an 85,000 lb. flywheel provides the same stored energy as the 154,000 lb. flywheel does at 352 rpm. Besides the saving in the flywheel, the smaller, higher speed generators require less copper, steel and other critical material.



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