

FINEST METAL CUTTING BAND SAWS FOR CONTOUR SAWING . . .

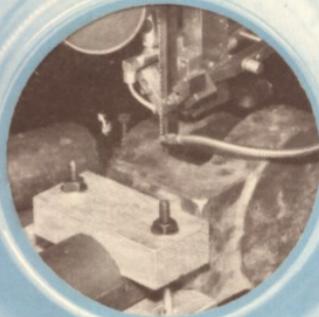
The Doall Company

MAURICE A. SINGER
504 W. CLAPIER STREET
PHILADELPHIA, PA.



1201 THACKER STREET - DES PLAINES, ILLINOIS

March 8, 1943



Superior products don't "just happen."
That is true in our business as you know it is
true in yours.

To the best of our knowledge, this
is the only laboratory in the world devoted
solely to Contour Saw research. All industry
is giving more and more attention to the great
production possibilities of Contour Saws.

As a substitute for a personal inspec-
tion tour, we believe you will find the picture
story enclosed, a very interesting evidence of
our ability to solve your cutting problems.
Here, we complete optical and Rockwell tests
and inspection of each 100 feet of Doall Saw
produced in our factory. Here, we experiment
toward the production of finer construction.
Here, we work out cutting problems for customers.

Sincerely,

Leighton Wilkie

Sales Manager
THE DOALL COMPANY

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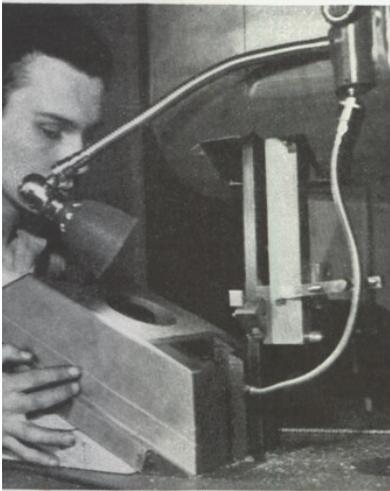


DOALL MAINTAINS TE MENT TO SOLVE UNUS PROBLEMS FOR ALL D

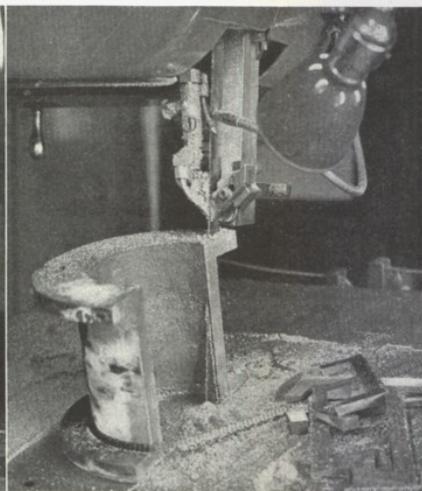
Whenever Doall customers run up against a material cutting problem that doesn't readily fit in with established shop practices, the simplest solution is to submit the problem, along with samples of the material, to the Doall Contour Sawing Laboratory. Here, specially trained technicians work out the problem and render

a complete report to the customer. For example, this laboratory not only conducts all necessary experiments, but also submits a complete technical report that outlines the entire procedure followed, and gives complete data as to sawing recommendations such as the saw pitch, saw temper, saw set, saw width, saw velocity, the feeding pressure, the cutting speed, the coolant to use and the type of finish that results.

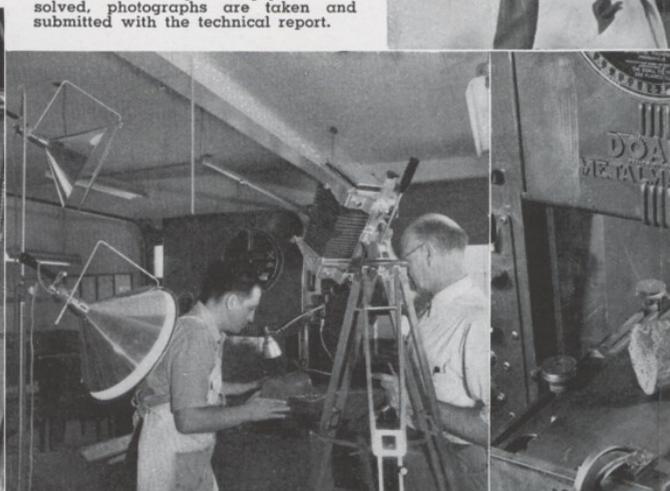
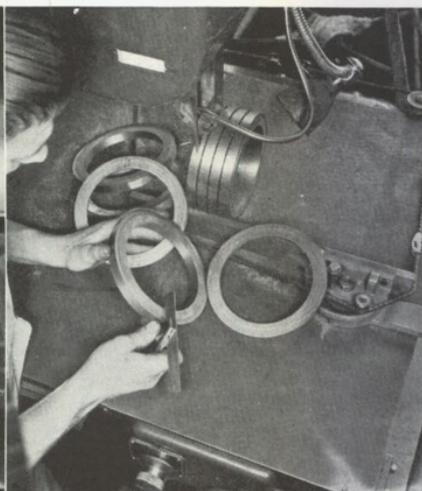
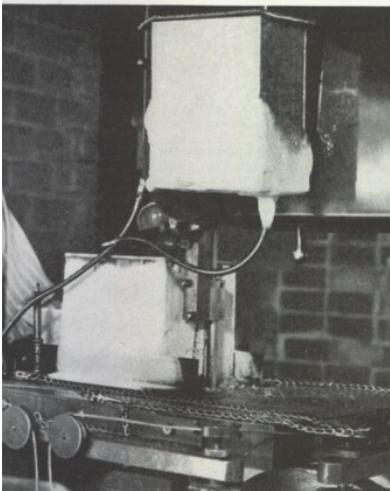
Actual samples of the finished work are then returned to the customer along with a photograph taken



Above. Doall sawing a "T" shaped slot at an angle in the base of a gun mount.
Below. Testing the effects of low temperature by sawing material packed in dry ice.



Above. Sawing bronze bearing faster and prolonging life of saw by tilting table.
Below. Doall sawing saved material and produced more rings than by lathe cutting.



Below. After every cutting problem is solved, photographs are taken and submitted with the technical report.

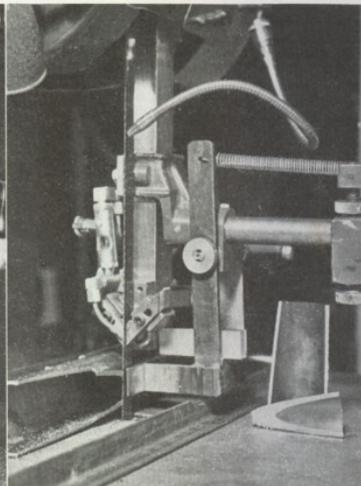
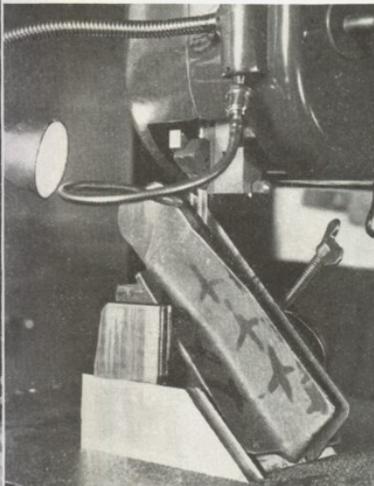
FREE: The Doall Contour Sawing Laboratory contains a wide variety of band-saws and other metal cutting machines. This laboratory is maintained for your benefit. We invite your inquiries or any saw problems or unusual sawing applications that you may have. Write us, "Attention, Engineering Department."

BEST CUTTING DEPART- UNUSUAL METAL CUTTING DOALL CUSTOMERS . . .



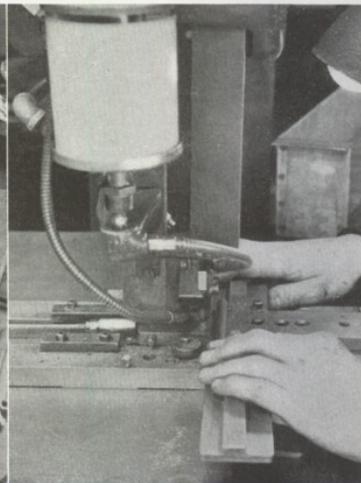
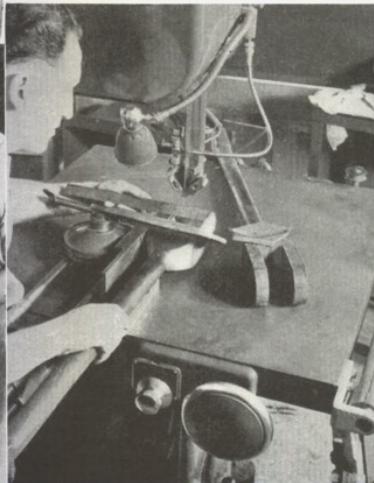
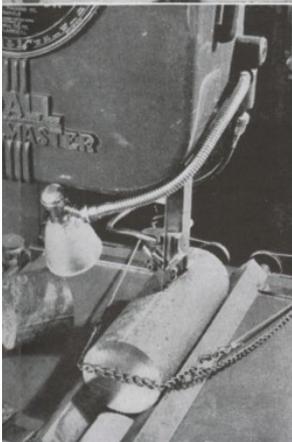
while the job was in progress. This is particularly helpful where the problem required the building of special jigs to hold the material or to increase the speed of production.

The illustrations on these pages show a wide variety of problems where the Doall Contour Sawing Laboratory solved unusual cutting problems for Doall Saw Band Customers.



Above. Cutting long narrow slot. Note special set-up for holding work.
Below. Precision sawing of openings in ends of long connecting rods.

Above. Sawing angular cuts in metal tubing. Note special attachment.
Below. Testing the reaction of various coolants on a specific metal.



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