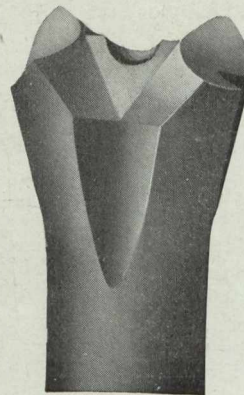


Increase Your Drilling Speed

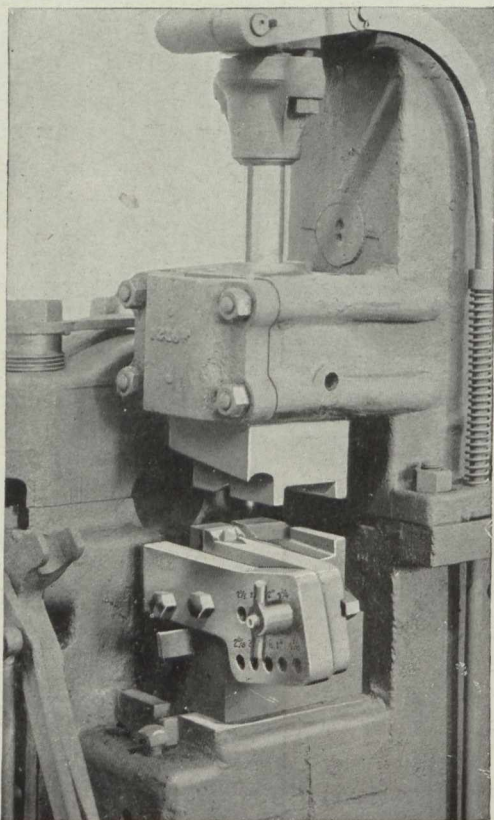
You can greatly increase your drilling speed and reduce breakage of steel and drill parts by using bits of some one of the improved models that can be made in the SULLIVAN SHARPENER.

One of these models is the

DOUBLE ARC BIT



Double Arc Bit



Sullivan Automatic, Variable Gaging Dies

Using the Double Arc Bit, one of the largest copper companies in the country secured the following results :

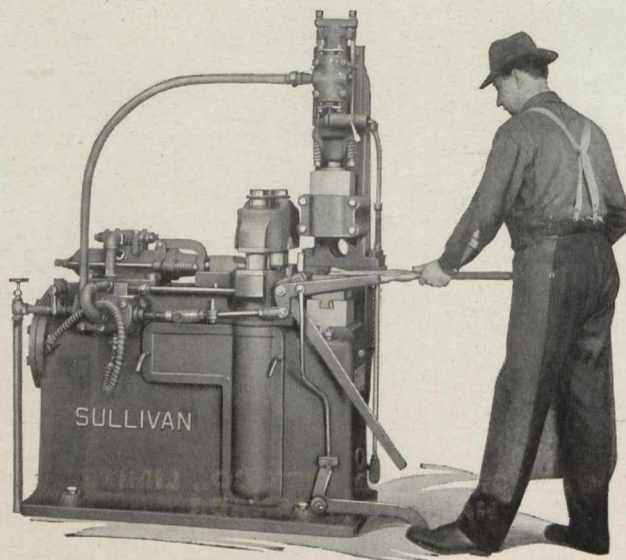
Bit	Gauge Changes	Drilling Speed, Inches per Min. in		
		Iron	Quartz	Porphyry
Cross	$\frac{1}{8}$	1.53	2.65	5.1
Double Arc	$\frac{1}{8}$	3.05	4.15	5.56
Double Arc	$\frac{1}{16}$	4.06	5.52	7.75

At this mine, steel breakage has decreased from 10.5% of the steels used to 1.5%, due to the use of smaller guage changes.

Forge your bits in the new

Automatic Variable Gage Dies

With this Sullivan device, you can make bits of 16 different gages, using one set of dies. The adjustment is by thumb-screw. It's a hammer-swaging action.



HAMMER YOUR DRILL BITS!

Bulletin 672

Sullivan Machinery Co.

122 So. Michigan Ave., Chicago

Boston

New York

Toronto

Vancouver

Spokane