

Drill bits made by hammering hold their edge and gauge longer, cut faster and farther than any others. The *all-hammer way* does not need high forging heats, hence the danger of burned steel is removed. *All-hammer work* preserves the steel quality you paid for, and adds toughness, strength and resistance to wear with each repeated sharpening.

## Sullivan Hammer Sharpeners

Make bits by hammer work only, upsetting with a horizontal hammer, swaging with a vertical hammer. The two processes are alternated several times in making a complete bit, avoiding sudden stresses in the metal.

Sullivan sharpeners are rapid, forging new bits at a single heat in one minute or less. Sullivan sharpeners make perfect bits and shanks of any form desired, on solid or hollow steel. Sullivan sharpeners are economical of air, safe and convenient to operate, compact, substantial, durable.



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