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**THE SULLIVAN SHARPENER** is a mechanical blacksmith that forges drill bits entirely by hammering. One powerful air-hammer upsets the steel and forms the face of the bit by rapid blows on a loose dolly. A second, vertical air-hammer draws out the wings and corners in steel dies, one striking, the other holding the steel.

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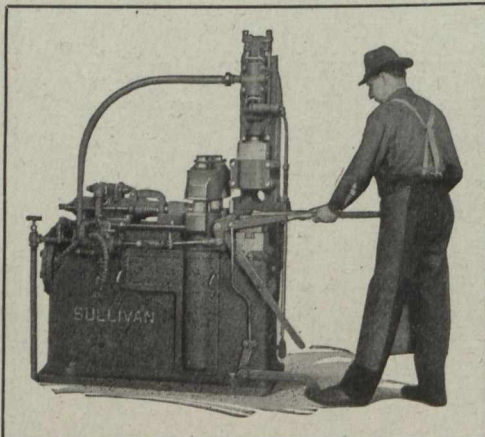
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