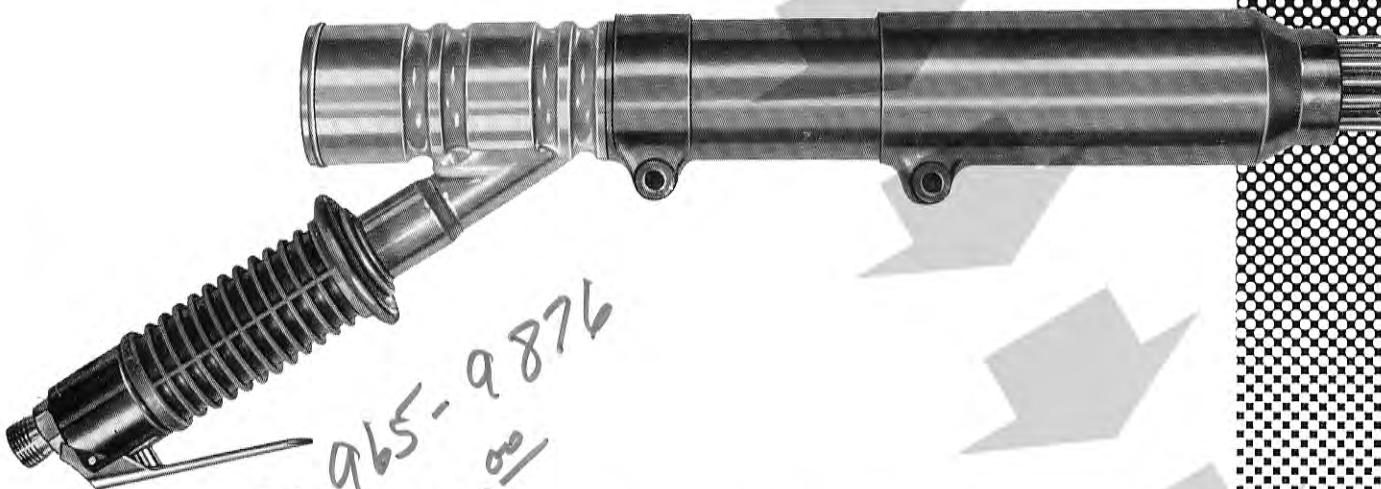


Patrick
10

**The Patented
VON ARX-NEEDLE GUNS
excel in preparing irregular
surfaces**

**DE-RUSTING
DE-SCALING
SLAG REMOVAL
PAINT STRIPPING
CLEANING or
ROUGHING-UP Concrete
and Masonry**



2G \$130⁰⁰
45° a 65° a 87°
\$140⁰⁰

VON ARX AIR GUN

T. G. CULLEN CO.
3710 GRAND AVE.
OAKLAND, CALIF. 94610
452-3982

The VON ARX De-Rusting and De-Scaling Gun Excels in Working Uneven Surfaces

Designed to solve difficult De-Scaling, De-Rusting and Cleaning problems.

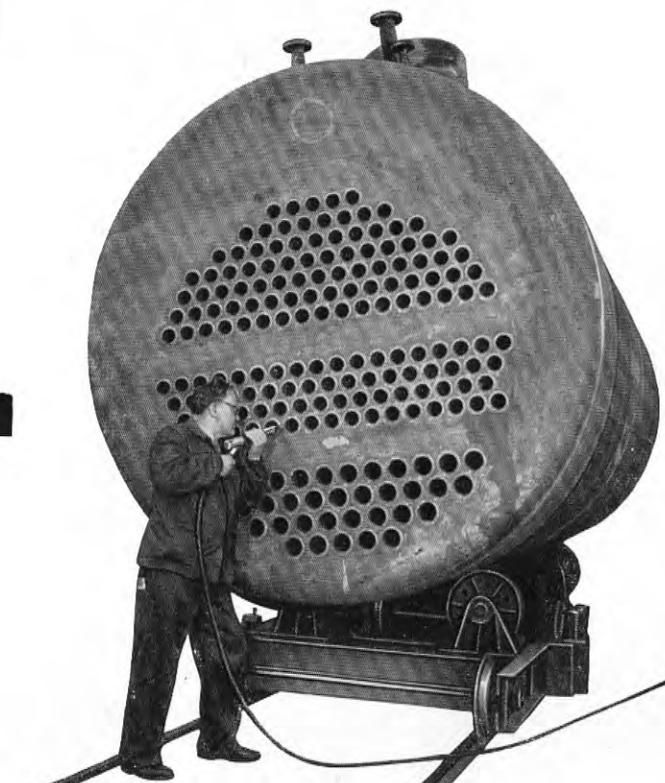
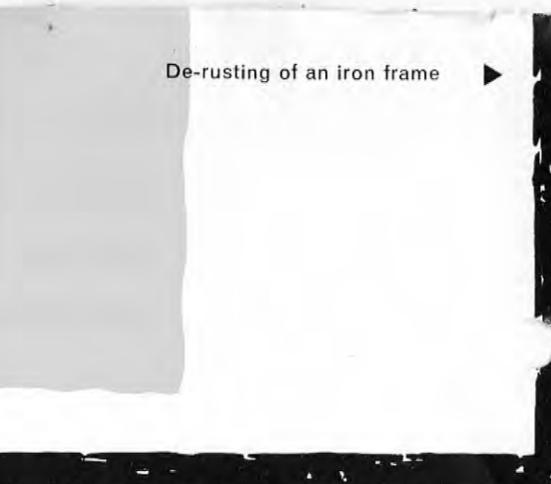
Operating on compressed air, this handy, light weight tool is used for de-rusting, de-scaling, cleaning and surface preparation of practically all materials. Versatile and economical, there is no de-scaling job yet tackled, from a railway viaduct to a welding seam, where the VON ARX air gun has not proved itself the best tool for the job.

A patented feature allows the cleaning needles to adjust to contours automatically, thus quickly and effectively cleaning and de-scaling uneven surfaces having rivets, crevices, grooves and corners.

Here's how the patented VON ARX Air Gun works:

Compressed air from any industrial type compressor drives the hardened steel needles, which, with their impact on a spring-loaded recoil movement reciprocate rapidly, striking the surface being worked, thus quickly and effectively removing scale, rust and paint even from the most inaccessible places. Air continually flows over the working surface removing loosened particles, and leaving the surface visibly clean.

The action is controlled by a trigger on the handle. Normal working pressure is 88 p. s. i. and air consumption is only 12.5 cu. ft./min. Twelve air guns can be operated from a two stage compressor.



For

the Patented

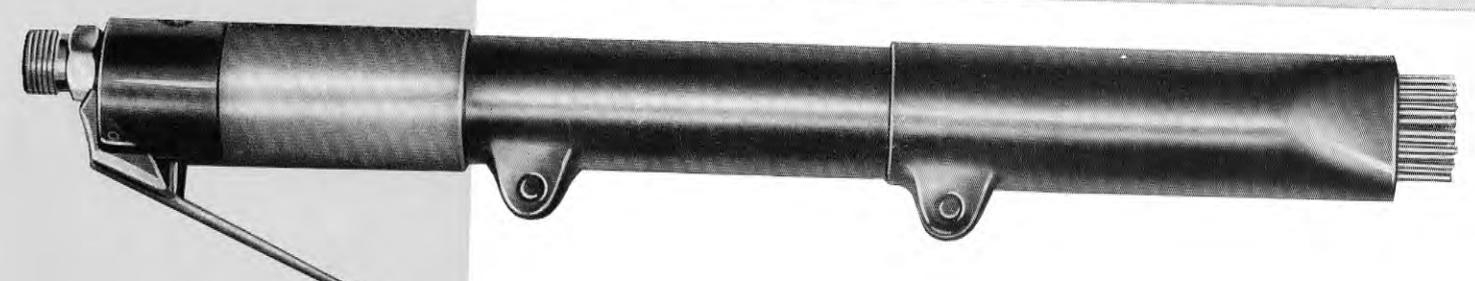
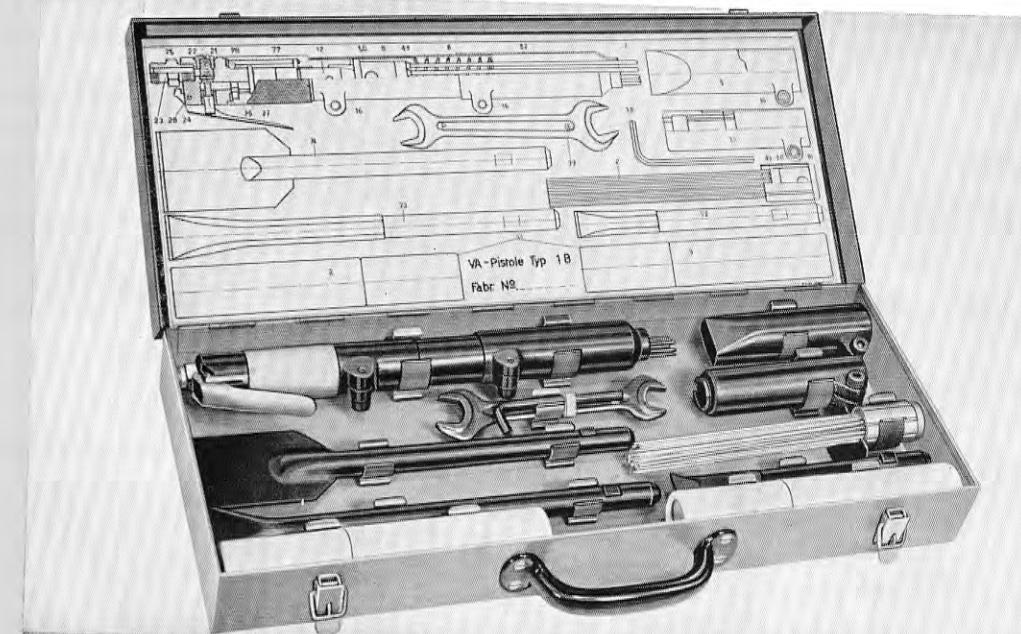
Excel in

**Welders
Painters
Mechanics
Maintenance men**

VON ARX - NEEDLE GUNS

clean Contours, Crevices, Corners as well as Flat Surfaces

Slag Removal
De-Rusting
De-Scaling
Paint Stripping
Cleaning or
Roughing Up Masonry

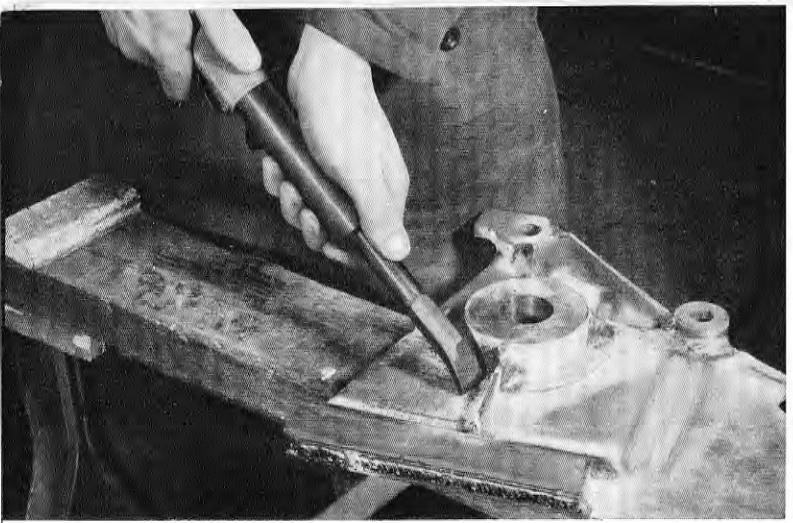


VON ARX - AIR GUNS

Small Model 1 B

Ask for our leaflet on larger models 2B - 4B

T. G. CULLEN CO.
3710 GRAND AVE.
OAKLAND, CALIF. 94610
452-3982



The Model 1 B Air Gun is a welcome addition to the larger VON-ARX-Needle-Guns that have found enthusiastic reception in all branches of industry and government.

The principle of the patented VON-ARX-Needle-Gun is a rapidly vibrating bundle of needles which adjusts itself automatically to the contour of any surface being worked, and has proved its worth numerous times in the last few years.

Whereas the Models 2 B, 3 B and 4 B have become irreplaceable tools for heavy jobs in the fields of maintenance, metalworking and construction, the new, small Model 1 B Air Gun offers the following advantages:



Minimum air consumption, approximately

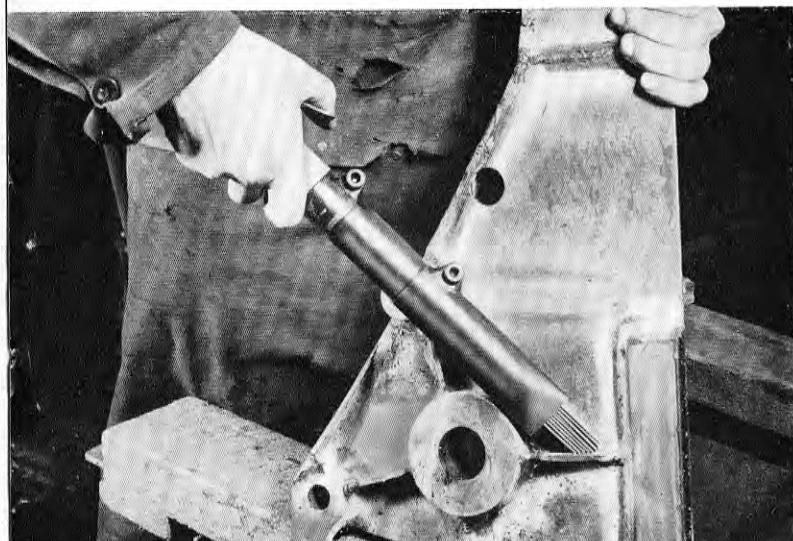
4.8 cu. ft/min. Not more than a paint spray gun. Working pressure is only 88 p.s.i.

Easy handling and light weight — 3.3 lbs.

Can be operated with one hand. Can reach even more confined places because of its short, straight construction.

More rapid needle vibration

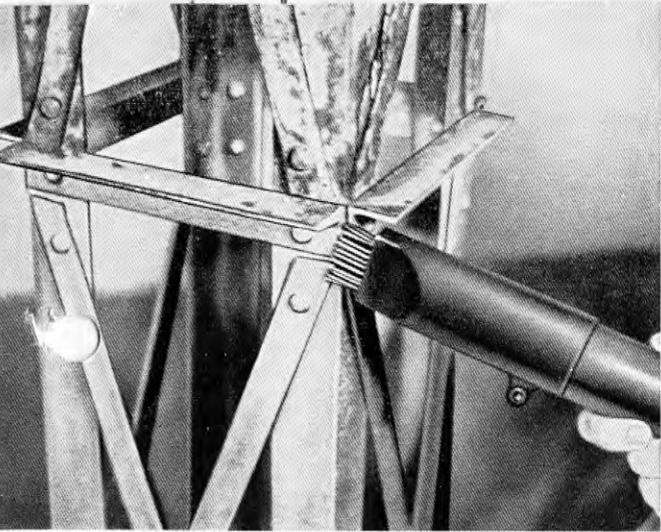
and therefore astonishing capacity.



Comparative Table

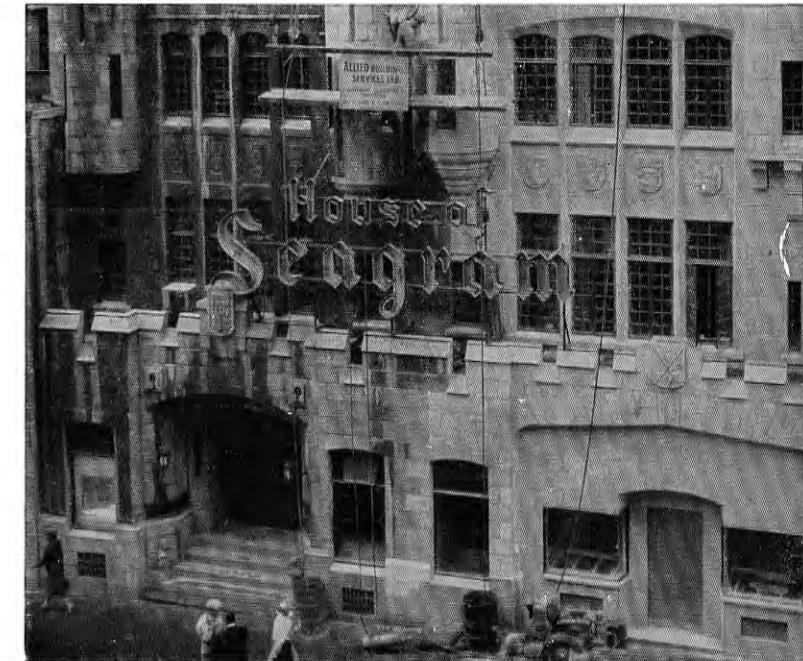
as measured in April 1965

Model	1 B	2 B	3 B	3 BN	4 B
Weight: lbs.	3,3	5,7	8,2	11,5	13
Length: in.	13 $\frac{3}{8}$	19	19 $\frac{1}{3}$	22	19 $\frac{2}{3}$
Air cons.: approx. cu. ft/min.	4,8	9	12	39	21
Pressure: p.s.i.	88	88	88	57	88
Equipment incl. needles: units or units	29 ϕ 2 mm 12 ϕ 3 mm	51 ϕ 2 mm 19 ϕ 3 mm	65 ϕ 2 mm 28 ϕ 3 mm	111 ϕ 2 mm 35 ϕ 4 mm	



Just to name a few of the more important advantages:

1. **No dust.** The VA air gun raises very little dust.
2. **No interference with production.** Unlike sandblasting the VA air gun does not interfere with regular production methods in that the gun is brought to the work, and not the work to the sand or shot blasting cabinet.



Some applications of VON ARX air guns:

- De-rusting and De-scaling
- Cleaning weld seams
- Roughing up for metallizing
- Cleaning castings
- Stripping paint, bitumen, etc.
- Chiselling out pipe channels
- Roughing up and cleaning concrete, stone and masonry, etc.
- De-furring boilers
- Removing plaster, etc.
- Ideal for raking masonry and brick joints before repointing

Principal applications

Quick and thorough de-slagging of weld seams particularly in difficult and confined places. Ideal for slag removal in structural work.

Removes paint, scale, rust from all surfaces-crevices, grooves, corners, rivets, contours as well as flat surfaces. Cleans or roughs-up masonry.

The VON-ARX-Needle-Gun with minimum maintenance needs no repairs and will cause no work interruptions. It's always ready for operation and very economical.

Ask for a demonstration of this unique tool at your plant or workshop. No obligation on your part.



Removing residual cement from construction machinery.

Excels in Cleaning uneven Surfaces

3. **No danger.** Protective devices are not necessary with the VA air gun — no particles of sand, scale or shot flying about, even inside tanks and containers.

4. **No damage.** Even on the softest stone the needles can skim the surface so lightly that only the dust is taken off with the minimum of material.

5. **No inaccessible places.** The VA air gun, with the needles and chisels provided reach almost everywhere. Weld seams, laps, rivet runs, angle plates, all get their share of effective cleaning.

6. **No delays.** Needles and chisels can be changed in the VA air gun in a minute by unskilled labor. Needle life is approximately 200 hours on normal operations and needles can be re-sharpened cold.

7. **No expensive maintenance.** Maintenance is restricted to the usual upkeep and lubrication required for compressed air tools. Read the operating instructions carefully. You will get more out of the tool by knowing how to use it correctly.

Safe - Fast - Dependable

**You can see the results
as the
VON ARX NEEDLE GUN
cleans**

Three alternative needle sizes are employed with all models. The kits are equipped with two sizes as standard equipment. Data on sizes and numbers of needles used with each model gun are shown below:

Gun Model

Needle size	2B	3B	4B
Fine No. 2	51	65	111
Medium No. 3	19	28	49
Coarse No. 4	10	19	35

The medium and coarse chisel-tip needles are used for breaking into really hard scale and for roughing up surfaces. They are to be preferred for general de-scaling work.

The fine needles are recommended for stone, brick and metals where it is imperative that the surface should not be marked. The fine needles have a definite polishing effect.

Two interchangeable mouthpieces are provided, one round for normal work, the other straight for fillets and angles. Several shapes of chisels are also provided for special applications.

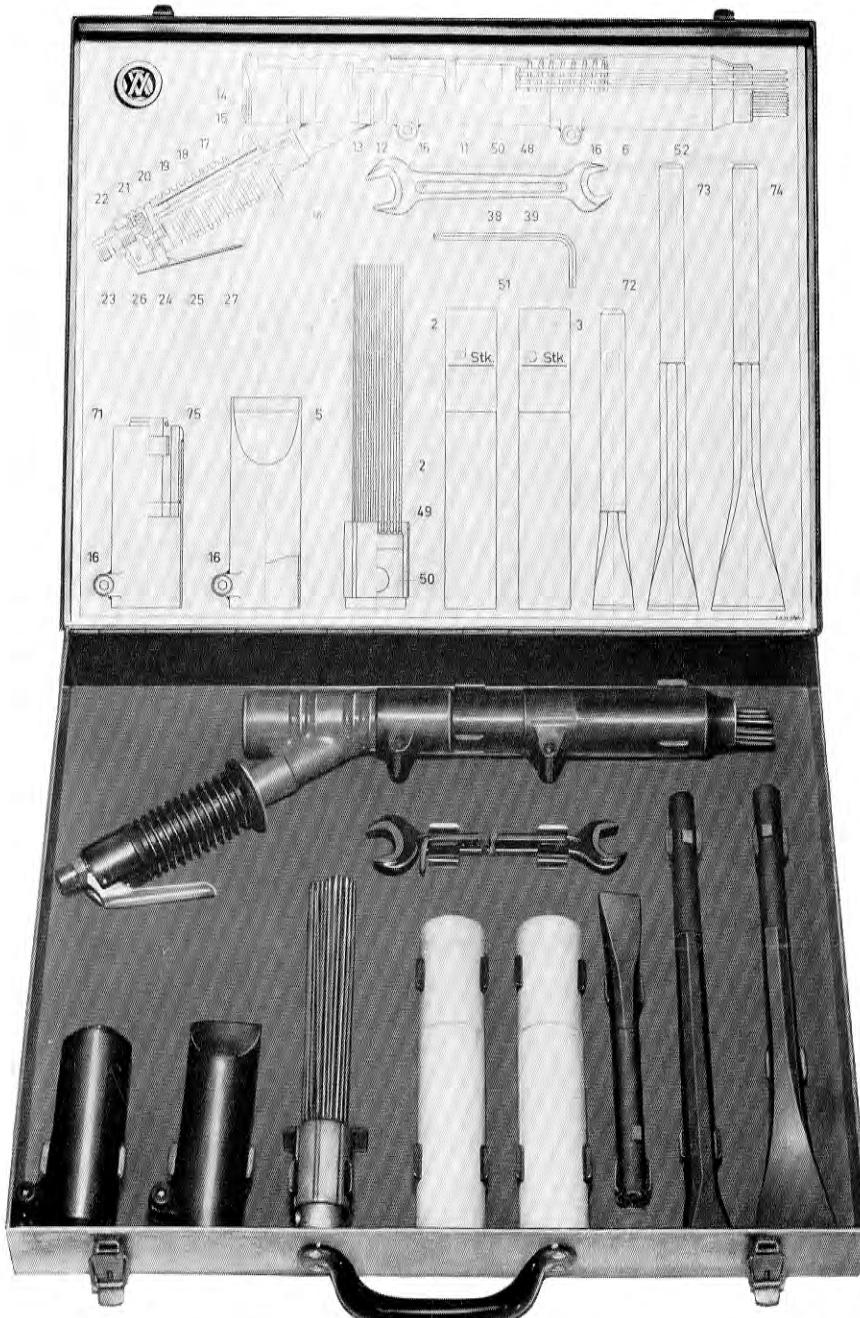
Copper beryllium and stainless steel needles are available for work in flammable areas and to prevent contamination.

A special low pressure VA Air Gun
can be supplied for operation at
about 57. lbs./sq. in.

Spare needles, replacement parts and fittings immediately available from stock.

	Model		
	2 B	3 B	4 B
Greatest length, including needles in.	19	19½	20
Weight (with needles) lbs	5½	8½	13
Air consumption cu. ft./min.	9	12	13
High pressure hose* I. D. in.	3/8	3/8	3/8
Power requirements lbs. sq. in.	86-114	86-114	86-114

* 30 ft. of high-pressure hose with 3/8" couplings is included in the kit.



For further particulars write to: