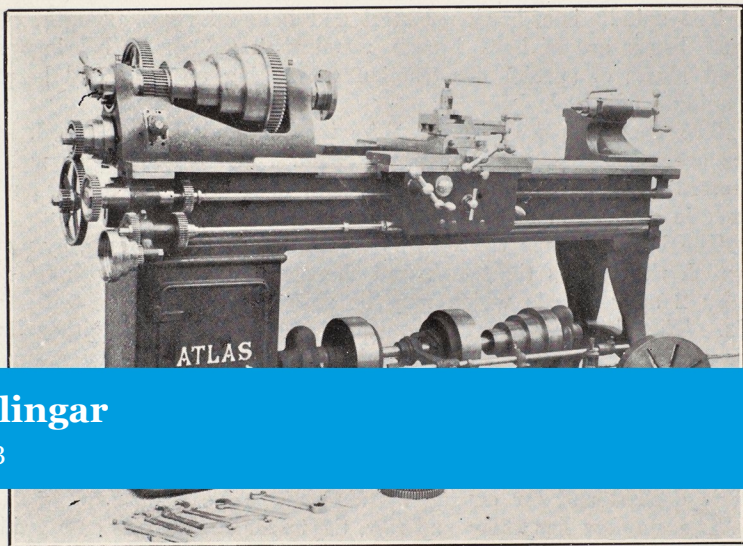


# NYA AKTIEBOLAGET ATLAS, STOCKHOLM.

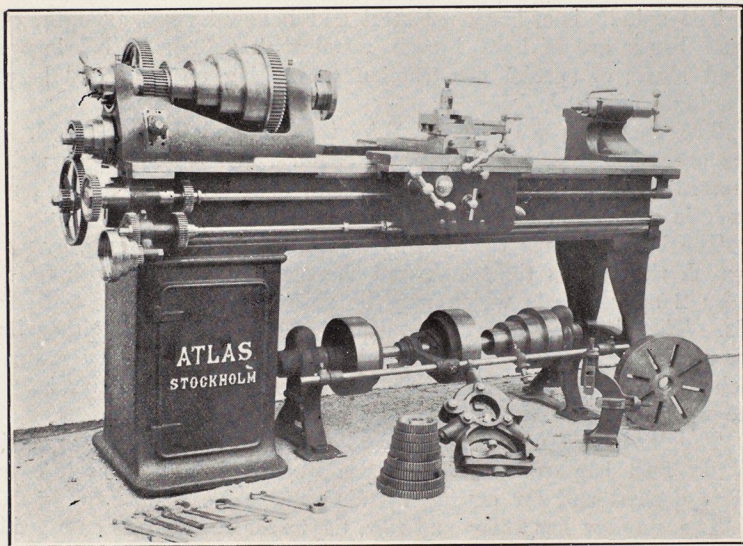


16 in. (400 mm.) swing Engine Lathe.

Ur KB:s samlingar

Digitaliserad år 2013

**NYA AKTIEBOLAGET ATLAS, STOCKHOLM.**



**16 in. (400 mm.) swing Engine Lathe.**

## 16 in. (400 mm.) swing Engine Lathe.



The spindle is of hardened steel and hollow its entire length. The journal boxes are of hard bronze metal with cylindrical bearings and conical shells of special construction for taking up wear and keeping the spindle adjusted.

The cone has 4 steps for 2 1/2 in. belt and is backgeared. All gears are machine cut and well protected. The lateral — as well as the cross feed have belts and cones with 3 steps. The former has an automatic stop adjustable along the whole bed.

The belt cone for the feed is placed on a moveable arm, by means of which the belt is tightened, and the cone is connected with the feed bar by 2 spur wheels which may be shifted so as to obtain 6 different feeds. The change gears for screw cutting may be driven either direct from the spindle or from the pinion of the belt cone, by means of which arrangement greater pitches are obtained without straining the lathe and without extra change wheels.

The leadscrew and change gears are only in use for screw cutting, but the feed bar can also be driven by the change gears if coarser feed is desired and for cutting spirals on a plane surface.

The support has compound rest, the upper one swivels on a graduated base. The lead screw and the rack are so located as to have a



central pull on the support. The rack pinion can be drawn entirely out of the rack when the lathe is used for screw cutting.

The tailstock is steady and its shape allows the slides to be moved near up to the centre.

The backgear is put in or out of operation without use of wrenches and the cone has good arrangement for oiling.

The taper attachment is so arranged as to allow the tool to be operated by the cross feed screw in the usual way, even when the attachment is in use. The guide bar is placed upon sliding brackets, moveable along the whole bed, and is adjusted by means of a graduated disc.

The countershaft has 2 frictionpulleys 10 in. diam. for 2 1/2 in. belt and should run 150 rev. pr. min.

With the lathe are furnished top driving gear, follower and steady rests, screw keys, 2 face plates and 12 change wheels.

Weight, with 6 foot 7 in. (2 meter) bed .....

Price .....

Price extra per foot .....

If taper attachment is not wanted the price will  
be reduced with .....

