

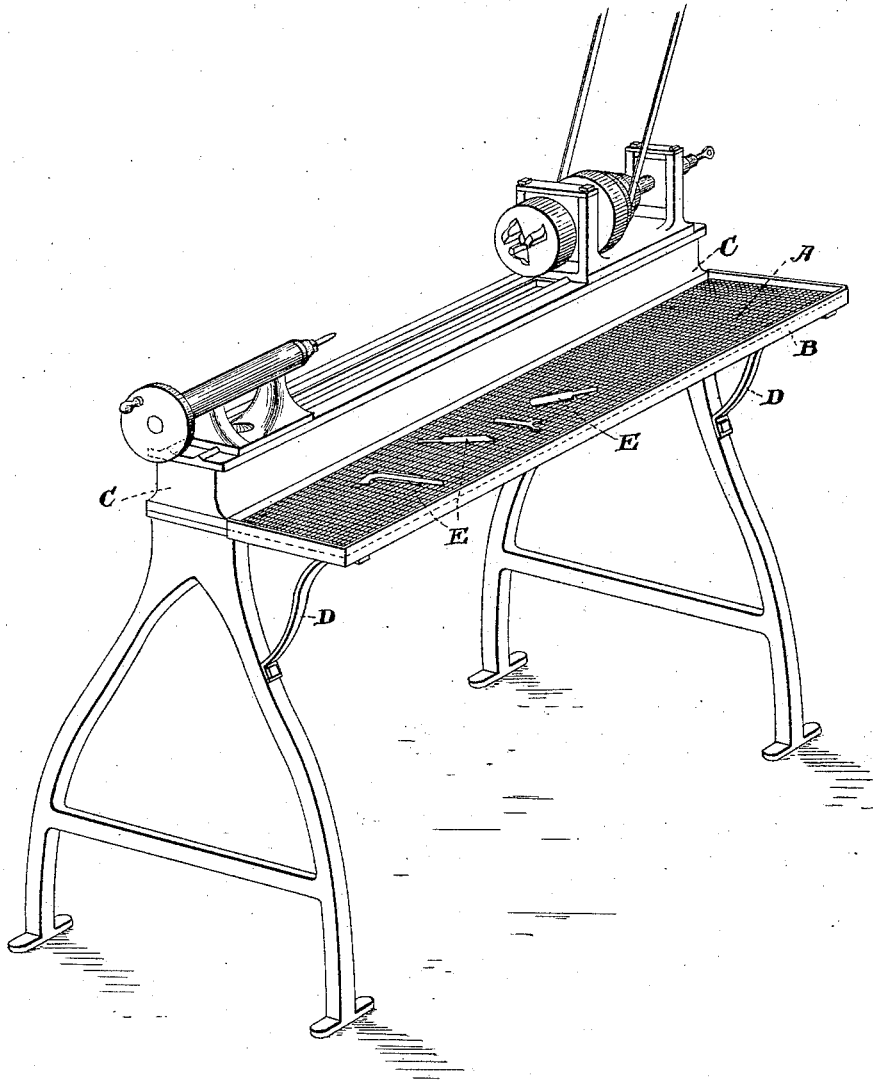
(No Model.)

H. T. CLAWSON.

SHELF OF WIRE NETTING FOR LATHES.

No. 380,789.

Patented Apr. 10, 1888.



attest:
Geo. T. Smallwood.
C. Smallwood

Inventor:
Henry T. Clawson.
By Chas. J. Hedrick
Atty.

UNITED STATES PATENT OFFICE.

HENRY T. CLAWSON, OF NEWARK, NEW JERSEY.

SHELF OF WIRE-NETTING FOR LATHES.

SPECIFICATION forming part of Letters Patent No. 380,789, dated April 10, 1888.

Application filed January 6, 1888. Serial No. 259,964. (No model.)

To all whom it may concern:

Be it known that I, HENRY T. CLAWSON, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Tool-Holding Attachments for Turning-Lathes, of which the following specification is a full, clear, and exact description.

This invention relates more particularly to an attachment to metal-working lathes for the purpose of supporting the tools when not in use; but the said attachment may be used in connection with other turning-lathes or with other machinery where a number of tools are used at different times and where it is desirable to have the tools not in use convenient to the hand of the workman.

It consists in a shelf of wire-netting or other similar open material, which is supported by the frame of the machine, or it may be by other suitable support in a readily-accessible position adjacent to the working parts of the machine, so that the workman can lay his tools thereon within easy reach. In a lathe the most convenient place is about on a level with or below the bed of the machine, where heretofore it has been customary to have a solid shelf. This solid shelf (which in some lathes is arranged as a back board and in others is placed under the bed which supports the work and tool holders) receives more or less of the turnings or filings and of the lubricating oil or grease, and both the shelf and the tools thereon are liable to become coated with grease and dirt to such an extent that the tools must be wiped when used, although they may have just before been laid upon the shelf. Practically the shelves do often become covered thick with greasy metal dust, since to keep them in a passable condition when the lathes are in constant use requires considerable labor to be expended in cleaning.

In the improved tool-holding shelf the perforations (which may be of any desired form) and the intervening strips or supports are of such size (admitting of course of considerable variation) that the shelf forms a screen, which

allows the filings or turnings and grease to fall through onto the floor or other receiver, while furnishing a sufficient support to tools laid thereon. I have used a shelf of wire-netting of about quarter-inch mesh very successfully, the tools remaining always clean, or nearly so.

The screen shelf or tool holding screen is or may be placed in the position heretofore occupied by the solid shelves of lathes. In large lathes having a double bed or bearers with a considerable open space between I prefer to place the screen shelf in such space. It may also be placed in other convenient positions. By having the shelf attached to the frame of the machine more or less vibration is communicated to it, which vibration assists the screening action of the shelf. This arrangement of the screen shelf constitutes a special feature of invention.

Any suitable supporting means may be used, the invention not consisting in improved supports for a shelf, but in the employment, as above indicated, of a shelf which is also a screen.

The accompanying drawing, which forms part of this specification, is a perspective back view of a lathe provided, in accordance with this invention, with a tool holding screen shelf.

The wire-netting A is stretched on a frame, B, and with its frame is supported behind the bed C of the lathe on brackets D, fastened to the frame of the lathe, like the solid back boards heretofore employed. Tools E are shown resting on the screen shelf A.

I claim as my invention or discovery—
The improved tool-holding attachment composed of the screen shelf arranged adjacent to the working parts of the machine conveniently for the workman to lay his tools thereon when not in use, substantially as described.

In testimony whereof I have signed this specification in the presence of two witnesses.

HENRY T. CLAWSON.

Witnesses:

S. PERIT RAWLE,
FRANCIS W. RAWLE.