

J. GROBEN.

Improvement in Spoke Shaves.

No. 124,435.

Patented March 12, 1872.

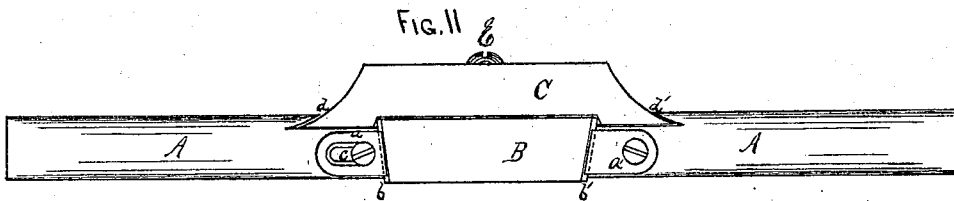
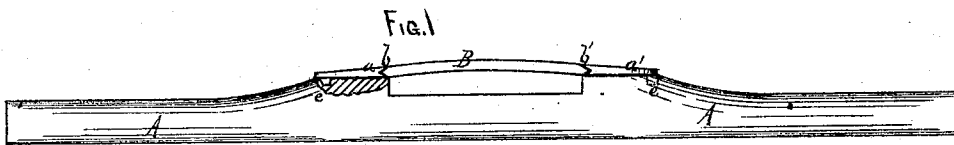
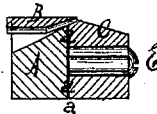


Fig. III



WITNESSES

C. N. Woodward
Arch^d Baine

Jacob Groben.
INVENTOR, BY

Burke Frater & Osgood Attys.

UNITED STATES PATENT OFFICE.

JACOB GROBEN, OF BUFFALO, NEW YORK, ASSIGNOR TO HIMSELF AND
SAMUEL D. SIKES, OF SAME PLACE.

IMPROVEMENT IN SPOKE-SHAVES.

Specification forming part of Letters Patent No. 124,435, dated March 12, 1872.

Specification describing certain Improvements in "Spoke-Shaves," invented by JACOB GROBEN, of Buffalo, in the county of Erie and State of New York.

Nature of the Invention.

This invention relates to certain improvements in spoke-shaves, and it consists of the combination of certain parts as will hereinafter be set forth.

General Description.

In the drawing, Figure 1 is a back elevation. Fig. 2 is a bottom-plan view. Fig. 3 is a cross-section.

A represents the stock, B the cutter or knife, and C the face-guide. The knife is of a rectangular form, without lugs or ears to hold it; but has, instead, slanting edges, which are chamfered off, and which fit in metal sockets *a a'*, having slanting-grooves *b b'*, into which these edges set. These grooves are set slanting toward the front, to prevent the knife from slipping out, but more particularly to allow the knife to be set forward whenever the edge becomes worn or ground down, so that the space between the knife and guide may be kept always at the right adjustment. In order to hold the knife in position after it is set forward, I provide one or both of the sockets *a a'* with a slot, *e*, through which a set-screw passes, by which the sockets can be set a little forward, as may become necessary, to keep the knife in proper

place. On the under side of the sockets I form lugs *e e*, which fasten into the wooden stock by the pressure of the screw. The face-guide C, which graduates the cutting, works up and down in the grooves *d d'*, formed in the side of the stock A. It is held at any height by means of a single screw, E. By these simple devices the throat can be set at any size, and down to the very smallest space, so that cross-grained stuff can be worked just as well as straight stuff, and prevents the knife "eating" into the wood.

This device of mine makes a very simple but very durable spoke-shave, only being required that the knife should be renewed occasionally to last a long time. It will adjust to a curved as well as a straight-cutter, and will be excellent for sweep-work.

Claim.

The slotted plates *a a'*, formed with the lugs *e*, and inclined grooves *b b'*, in combination with the knife B, and with the movable face guide-plate C, and its adjusting-screw E, all constructed and operating as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JACOB GROBEN.

Witnesses:

J. R. DRAKE,
C. N. WOODWARD.