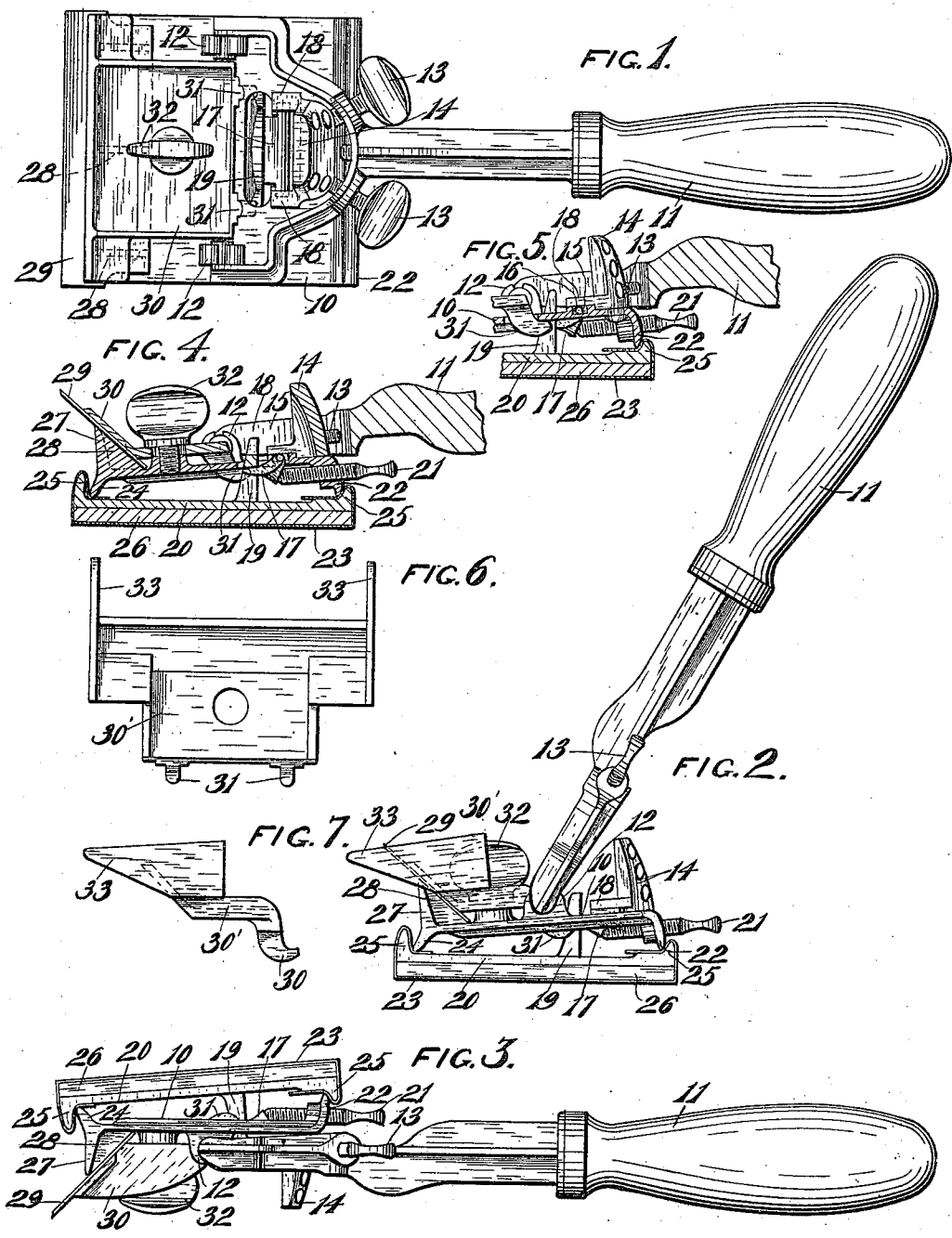


J. F. WEBER.
 CABINET FINISHING TOOL.
 APPLICATION FILED FEB. 1, 1909.

975,590.

Patented Nov. 15, 1910.



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JOHN F. WEBER, OF WEST ALLIS, WISCONSIN.

CABINET-FINISHING TOOL.

975,590.

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To all whom it may concern:

Be it known that I, JOHN F. WEBER, residing in West Allis, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Cabinet-Finishing Tools, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention has for its object to provide a cabinet finishing tool which will combine a cabinet scraper of a simple and efficient construction with a sandpaper block to be used in conjunction therewith and also being of a simple and durable construction which will permit of readily replacing the sandpaper covering when desired and will firmly hold the same in place when properly adjusted for use.

With the above and other objects in view the invention consists in the combined cabinet scraper and sandpaper block herein claimed, its parts and combinations of parts and all equivalents.

Referring to the accompanying drawings in which like characters of reference indicate the same parts in the different views; Figure 1 is a plan view of a combined cabinet scraper and sandpaper block of this invention; Fig. 2 is a side elevation thereof with the parts in position for sand papering; Fig. 3 is a similar view thereof with the parts in position for scraping; Fig. 4 is a central sectional view thereof; Fig. 5 is a detail sectional view of a fragment thereof; Fig. 6 is a bottom view of a modified form of clamping plate for the scraper blade having guard flanges to regulate the depth of cut of the scraper blade; and, Fig. 7 is an end elevation thereof.

In these drawings 10 indicates a frame, preferably in the form of a cast metal plate with a handle 11 pivotally mounted thereon by having trunnions on its forked end fitting between bent over lugs or ears 12 on one face of the frame. The handle 11 may be locked in different angular positions with relation to the frame by means of set screws 13 threaded through the yoked portion thereof and engaging notches provided therefor in a projection 14 which is either formed on the frame or is riveted thereto as shown.

Sockets 15 are formed on the frame at the ends of an opening therethrough, which sockets constitute bearings for trunnions 16 at the ends of a curved swinging locking

member 17 passing through said opening, there being lugs 18 on the projection 14 bearing on the walls of the sockets 15 to confine the trunnions therein. The curved locking member 17 is adapted to enter an opening in a lug 19 on the top of a sandpaper block or plate 20 and a set screw 21 is threaded through a flange 22 of the frame and engages a shoulder on the locking member to cause said locking member to swing on its trunnions and draw the sandpaper block 20 toward the frame 10. This action serves to clamp the edges of a strip of sandpaper 23 between the flange 22 and the sandpaper block and also between a corresponding flange 24 at the opposite edge of the frame and said sandpaper block, the sandpaper block being provided with flanges 25 to fit outside of the flanges 22 and 24 to form a more secure engagement for the edges of the sandpaper. Preferably a padding 26, which may be a sheet of rubber or other yielding substance, is mounted on the face of the sandpaper block 20 to constitute a yielding backing for the sandpaper and assure a contact of the sandpaper with the work throughout its entire working surface.

On the opposite side of the frame 10 from the sandpaper block and at the edge thereof which is opposite the projection 14 there is a flange 27 with a series of beveled webs 28 forming a seat for a scraper blade 29 which is clamped thereon by means of an angular clamping member 30 with pivot lugs 31 at one edge entering openings provided therefor in the frame 10 to pivotally mount said clamping plate on the frame, there being a set screw 32 passing through an opening in the clamping plate 30 and threaded in the plate 10 to hold it with pressure against the scraper blade.

When it is desired to provide a gage for limiting the degree of cutting action of the scraper blade a modified form of clamping plate is substituted for the clamping plate 30. This modified form of clamping plate is shown in Figs. 6 and 7 and as applied to the device in Fig. 2 and is indicated by the reference numeral 30', it being substantially the same as the clamping plate 30 with the addition of side runners or guides 33 which ride on the surface of the work and guard the edge of the scraper blade so that it cannot dig too deeply into the work.

In operation the tool is first used in the position shown in Fig. 3 where the handle

is preferably locked to the frame by tightening the set screws 13 and at such an angle as to give the scraper blade 29 the desired angle with relation to the work, the scraping operation being performed by merely drawing the tool over the work with pressure on the handle so that the scraper blade 29 scrapes the surface. When the scraping operation is completed the tool is inverted so as to bring the sandpaper block into bearing on the work, and then the handle is preferably released from its locking engagement with the frame so as to be capable of swinging thereon, this position of the parts being shown in Fig. 2. In the sandpaper operation it is only necessary to draw the tool back and forth over the surface of the work, applying pressure thereon by means of the handle, and the sandpaper block by reason of its pivotal connection with the handle remains in full surface contact with the work. When it becomes necessary to replace the strip of sandpaper with another it is only necessary to loosen the set screw 21 which will allow the sandpaper block 20 to back away from the frame 10 so that the edges of the sandpaper are released from the flanges and it may be easily slipped out of place and another as easily inserted when the set screw 21 is again tightened to draw the sandpaper block 20 toward the frame and clamp the edges of the sandpaper as before. When it is desired to remove the scraper blade 29 to sharpen it or to replace it with another, it is only necessary to release the set screw 32 which permits the clamping plate 30 to swing on its pivotal connection with the frame, and when the gage is desired the set screw 32 is removed so that the clamping plate 30 may be swung back to a sufficient extent to release its hook members 31 from engagement with the frame and the clamping plate 30' is substituted therefor as shown in Fig. 2.

This invention provides in the one tool a simple and efficient cabinet scraper for scraping the surface of the work and a sandpaper block for smoothing the scraped surface, only requiring the tool to be inverted to change it from one use to the other.

What I claim as my invention is;

1. In a cabinet finishing tool, a frame, a handle mounted thereon, flanges on the frame, a sandpaper block provided with

flanges to cooperate with the flanges of the frame to clamp the edges of sandpaper between them, a projection on the sandpaper block, a clamping member pivotally mounted on the frame and adapted to engage the projection of the sandpaper block, and a set screw threaded on the frame and engaging the clamping member to cause it to swing and draw the sandpaper block toward the frame to clamp the edges of the sandpaper between the flanges.

2. A cabinet finishing tool, comprising a frame, a handle pivotally mounted thereon, a projection on the frame, a set screw on the handle engaging the projection to lock the handle in angular adjustments on the frame, flanges on the other side of the frame, a sandpaper block having flanges fitting with the flanges of the frame to clamp the edges of sandpaper between them, a projection on the sandpaper block, a clamping member pivotally mounted on the frame and adapted to engage the projection of the sandpaper block, and a set screw threaded on the frame and engaging the clamping member to cause it to draw the sandpaper block toward the frame.

3. A cabinet finishing tool, comprising a frame, a yoked handle pivotally mounted thereon, a projection on the frame, set screws on the handle engaging the projection to lock the handle in various angular adjustments on the frame, flanges on the opposite side of the frame, a sandpaper block having flanges cooperating with the flanges of the frame to hold the edges of sandpaper between them, an arched projection on the sandpaper block, there being an opening in the frame through which the arched projection of the sandpaper block passes and sockets at the ends of said opening, a clamping member having trunnions fitting in the sockets and being adapted to engage the arched projection, lugs on the projection of the frame closing the sockets, and a set screw threaded on the frame and engaging the clamping member to cause it to draw the sandpaper block toward the frame.

In testimony whereof, I affix my signature, in presence of two witnesses.

JOHN F. WEBER.

Witnesses:

R. S. C. CALDWELL,
ANNA F. SCHMIDTBAUER.