J. T. STUBBS.

SIDING GAGE.

APPLICATION FILED JULY 8, 1911.

1,011,390. Patented Dec. 12, 1911.

Fig. 1.

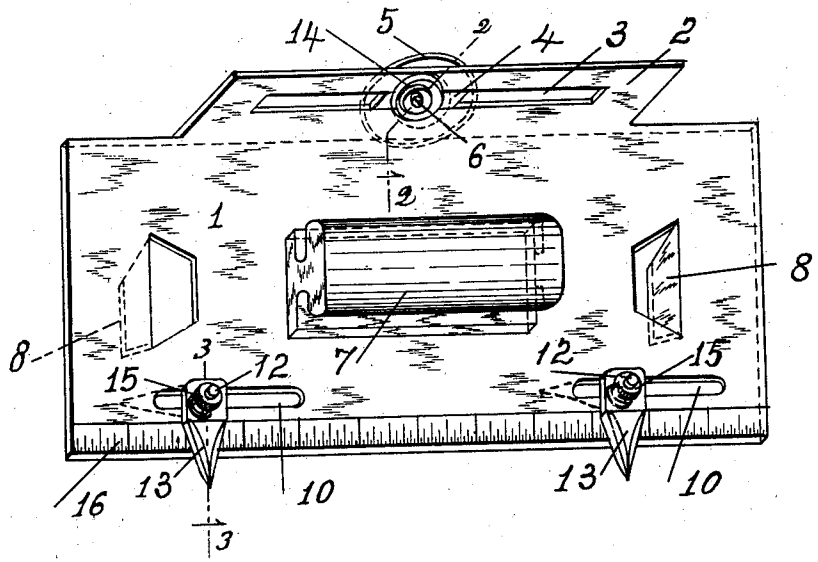


Fig. 2.

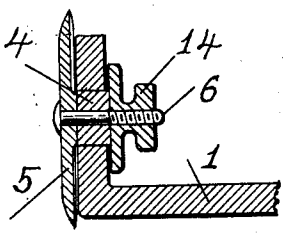
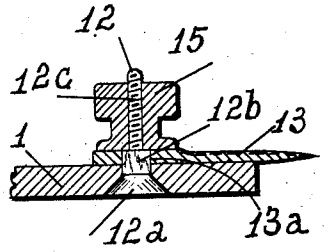


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES T. STUBBS, OF SPRINGFIELD, ILLINOIS.

SIDING-GAGE.

1,011,390. Specification of Letters Patent. Patented Dec. 12, 1911.

Application filed July 8, 1911. Serial No. 637,534.

To all whom it may concern:

Be it known that I, JAMES T. STUBBS, a citizen of the United States, residing at Springfield, in the county of Sangamon and State of Illinois, have invented a new and useful Siding-Gage, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it appertains to make and use my invention.

This invention relates to gages such as are used by carpenters for scribing and spacing weather-boarding, or flooring, or the like.

The invention is illustrated in the annexed drawing to which reference is hereby made and in which similar reference characters designate like parts in the several views.

Figure 1 is an isometric view of the siding-gage; Fig. 2 is an enlarged vertical section on the line 2—2 of Fig. 1; and Fig. 3 is an enlarged vertical section on the line 3—3 of Fig. 1.

The invention will now be described and the novel features thereof will be recited in the appended claims.

The base 1 is a steel plate of suitable dimensions, formed as shown and described. Integral with the horizontal base 1 is a vertical member 2 extending lengthwise of the base and having a lengthwise slot 3 which accommodates the block 4 adapted to slide in the slot. Pressed from the metal of the base 1 are two downwardly extending members 8 at right angles to the base.

Two members 8 are provided to admit of right-hand use or left-hand use as may be most convenient in practice. The members 8, which contact with the edge of the weather-board which is to be scribed, serve as hooks to support the board in proper position for scribing and also serve "to square" the scribing disk 5 relative to the edge of the board.

A screw-threaded bolt 6 extends through the block 4 and a knurled nut 14 screws onto the bolt and serves as a handle for sliding the block 4 lengthwise of the member 2. A disk 5 preferably somewhat concaved as shown, has a sharp circular edge, and is mounted to turn on the bolt 6.

A handle 7 preferably of wood is secured centrally on the upper surface of the base 1. The handle 7 serves for convenient manipulation of the tool.

The base 1 has a pair of lengthwise slots 10 in line with each other and parallel to one edge of the base. The side walls of the slots 10 incline downward to accommodate the tapering heads of bolts 12 connecting the spacers 13 with the base 1. The bolts 12 have inclined heads 12^a contacting with the inclined walls of the slots 10; they also have square parts 12^b and screw-threaded parts 12^c. The spacers 13 have square holes 13^a in which the square parts 12^b of the bolts 12, fit so that when the parts are tightly screwed up the square parts 12^b will keep the spacers at right angles to the edge of the base and will prevent turning of the spacers. Knurled nuts 15 fit on the screw-threaded parts 12^c and serve to clamp the spacers 13 firmly against the base 1. When the spacers are not in use the nuts 15 may be loosened sufficiently to permit the withdrawal of the square parts 12^b from the holes 13^a in the spacers 13 so that the spacers may be turned to occupy the position indicated by dotted lines in Fig. 1, and the nuts 15 may then be tightened to hold the spacers in their changed position.

One edge of the base is provided with graduations 16, which serve as guides in setting the spacers. The graduations on edge of the base may be used the same as an ordinary rule in taking measurements.

The tool may be used as a try-square, to square the ends of boards, by placing one of the members 8 against the edge of the board and scribing along the graduated edge of the base, or by placing one of the members 8 against the edge of the board and using the scriber 5 as already described.

In practical use the tool will be placed with one of the members 8 in contact with one edge of the board which is to be marked. The handle 14 will then be used to cause the disk 5 to travel across and scribe the board at right angles to the member 8. If the tool is used for putting on weather-boarding the member 8 will be used as a hook to support the weather-board, and the member 2 of the base 1 will occupy a position adjacent to the casing, or corner board, as the case may be, so that the length of the board may be easily and accurately determined. To use the tool for spacing, the spacers 13 will be set at the desired distance apart with the ends of the spacers projecting beyond the edge of the base, and when the spacers are secured in proper position the spaces will be

stepped off the same as is usually done with dividers.

When the spacers are not in use they will be secured in the position indicated by dotted lines, and when in that position there will be no danger of the spacers injuring the user or the work, or catching on the clothing.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. In an instrument of the class described; a sheet-metal base comprising in one structure a flat plate, right and left hooks pressed from the metal and projecting at right angles to the plane of the upper surface of the plate and a scriber-supporting member at right angles to the plane of the upper surface of the plate and having a slot lengthwise of said member; in combination with a handle on the plate; a block adapted to slide in the slot in the scriber-supporting member; a sharpened disk mounted to rotate on the block, and a handle adapted to slide the block in the slot in the scriber supporting member.

2. In an instrument of the class described; a sheet-metal base comprising in one structure a flat plate having spacer-slots adapted to accommodate slidable spacers, right and left hooks pressed from the metal and projecting at right angles to the plane of the upper surface of the plate and a scriber-supporting member at right angles to the plane of the upper surface of the plate and having a slot lengthwise of said member; in combination with a handle on the plate, a block adapted to slide in the slot in the scriber-supporting member, a sharpened disk mounted to rotate on the block, a handle adapted to slide the block in the slot in the scriber supporting member and spacers mounted to slide in the spacer slots in the plate.

In witness whereof I have hereunto signed my name at Springfield, Illinois this 3d day of July 1911.

JAMES T. STUBBS.

Witnesses:
M. EVELYN THAIN,
ROY G. TROXELL.