

(No Model.)

J. B. SYKES.
ADJUSTABLE SHINGLE GAGE.

No. 485,436.

Patented Nov. 1, 1892.

Fig. 1 -

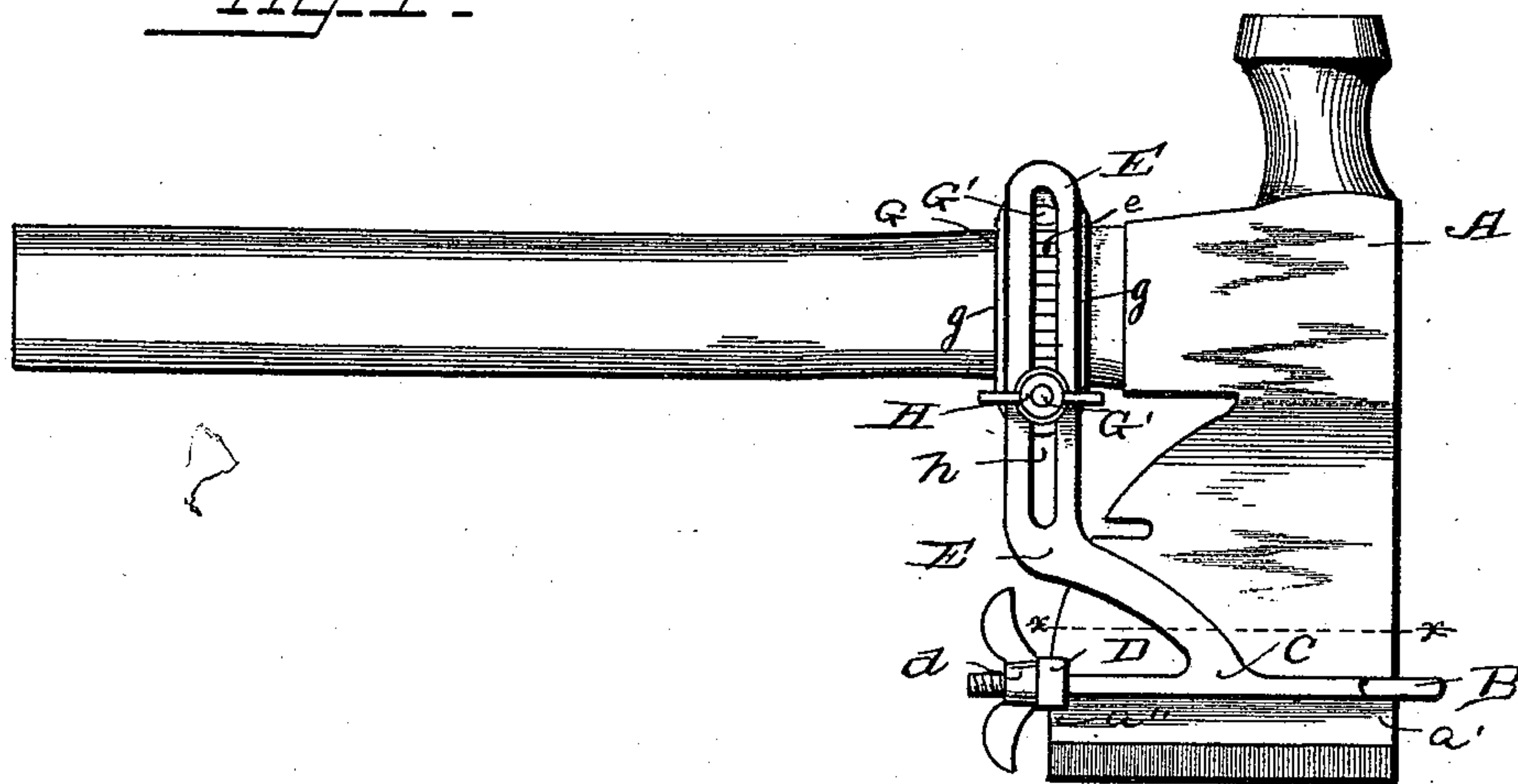


Fig. 2 -

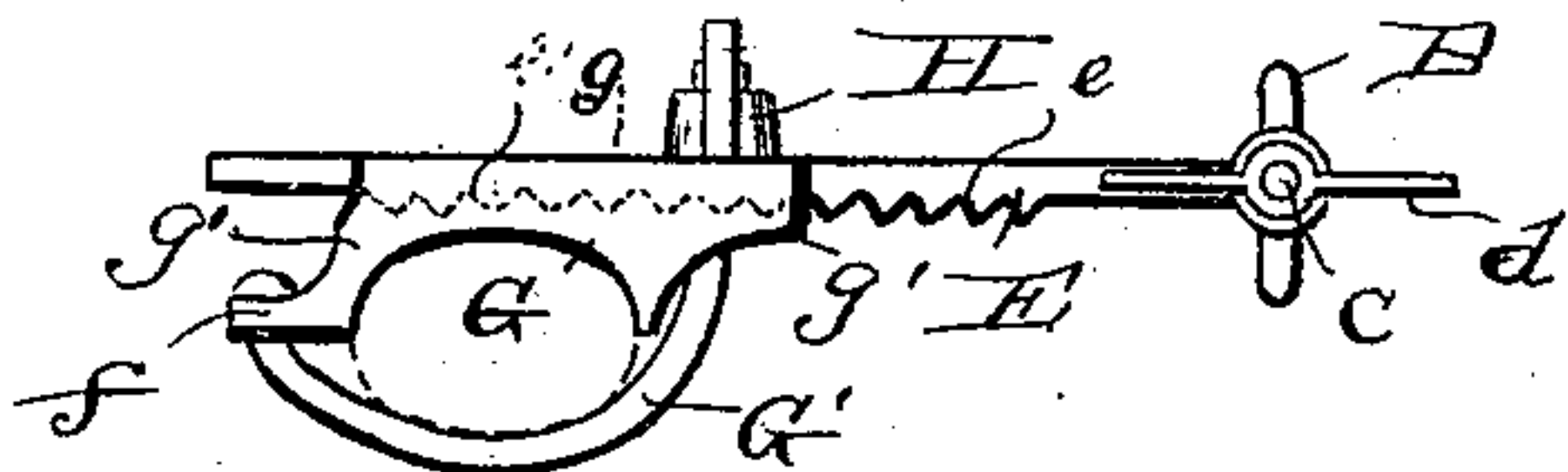
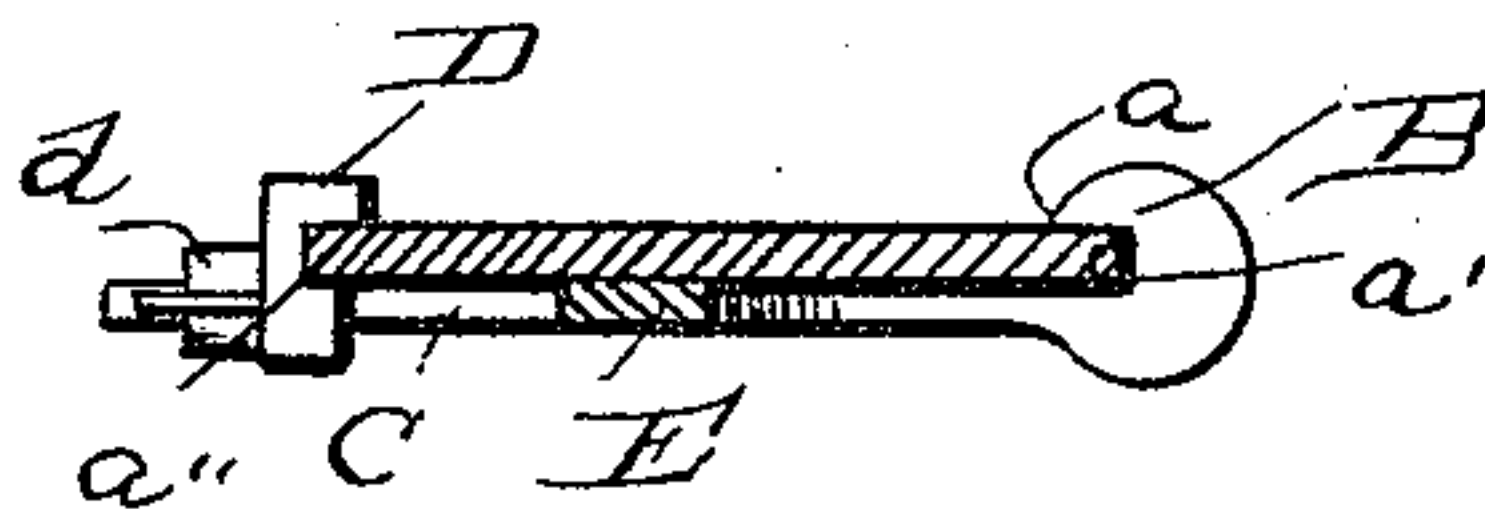


Fig. 3 -



Witnesses
Jesse Heller.
Phil. Masari.

Inventor
John B. Sykes
by E. W. Anderson
his Attorney

UNITED STATES PATENT OFFICE.

JOHN B. SYKES, OF DAWSON, PENNSYLVANIA.

ADJUSTABLE SHINGLE-GAGE.

SPECIFICATION forming part of Letters Patent No. 485,436, dated November 1, 1892.

Application filed February 29, 1892. Serial No. 423,256. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. SYKES, a citizen of the United States, and a resident of Dawson, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Shingle-Gages; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of the invention in side elevation. Fig. 2 is an end view of the attachment. Fig. 3 is a section on line $\alpha\alpha$ of Fig. 1.

This invention has relation to certain new and useful improvements in shingle-gages designed for attachment to hatchets and slaters' hammers; and it consists in the novel construction and combination of parts, as hereinafter specified.

The object of the invention is to provide a device of the character above described capable of attachment to hammers or hatchets of ordinary construction and adjustable to different sizes and styles and which will be of simple construction and easily operated.

In the accompanying drawings, the letter A designates an ordinary hatchet having my improved gage applied thereto. The device comprises the gage-head B, slotted or recessed at α to receive one of the lateral edges α' of the blade, as shown. Said gage is formed on an arm C, which extends transversely across one side of the blade and is threaded at its opposite portion, where it carries a washer D and a thumb-nut d . In the washer is a recess which receives the opposite edge α'' of the blade.

E is a curved arm preferably integral with the arm C and which is held in a clamping-bracket on the handle. Said bracket comprises a block G, having side flanges g , between which the arm E rests, and flanges g' , arranged to fit partially around the handle.

G' is a bolt or rod held loosely at one end in an arm f of the block G, extending around the opposite side of the handle, passing loosely through a slot therein and through an elongated slot h in the arm E. This end of the rod is threaded and carries a thumb-nut H, by means of which the arm E is clamped to the block G. The meeting faces of the arm E and block G are formed with interlocking corrugations e , which prevent any slipping or working loose of the parts under the jar.

By loosening the thumb-nuts d and H the arm C may be moved to set the gage B any distance from the head or striking portion K of the hatchet. By tightening the nut H the arm C is clamped to the bracket, and at the same time the bracket is clamped to the handle. Tightening the nut d clamps the gage firmly to the blade. It will be apparent, by reason of the rod G' and its nut H, that the bracket is capable of being clamped to different sizes of handles.

The ordinary method pursued in shingling a roof is to snap a chalk line by which to lay each successive course. This involves considerable time and labor in chalking and stretching the line and necessitates a large amount of extra climbing about the roof.

The method pursued by the use of this invention is as follows: The gage is properly adjusted on the hammer or hatchet. The front edge of the blade is laid against a shingle already laid in the preceding course, the gage B resting against or under the butt of said shingle. The butt of the shingle which is to be laid in the succeeding course is then placed against the head or striking portion of the hatchet or hammer, which determines its proper position, and is then nailed. This does away with any necessity for a line and effects a large saving in time and labor. The gage attached in the manner described does not in any way interfere with the ordinary use of the hatchet or hammer.

Having described this invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A shingle-gage for hatchets and slaters' hammers, comprising the gage proper, the clamp for securing it to the blade, and the clamp for securing it to the handle, substantially as specified.

2. A shingle-gage for hammers and hatchets, having a slot to receive the edge of the blade, a clamping-arm and adjustable clamp for securing it to the blade, and an adjustable clamp

for connecting it to the handle, substantially as specified.

3. An adjustable shingle-gage for hammers and hatchets, having an adjustable clamp for holding it to the blade, an arm connected thereto, and an adjustable clamp designed to be secured to the handle on which said arm is held, substantially as specified.

4. In a shingle-gage attachment for hammers and hatchets, the combination, with the gage, the clamping device for adjustably securing it to the blade, and the curved arm connected thereto and having an elongated slot, of the adjustable handle-clamp comprising the block, the rod connected to said block, and the thumb-nut engaging said rod and serving to clamp the curved arm to the block, the meeting faces of said arm and block being corrugated, substantially as specified.

5. In a shingle-gage attachment for hammers and hatchets, the combination, with the handle-clamp, of the gage having the slot therein to receive the blade, the arm connected thereto, the washer therein having a slot to receive the opposite edge of the blade, the thumb-nut, and the slotted arm adjustably connected to the handle-clamp, substantially as specified.

6. The combination, with a hammer or hatchet, of a shingle-gage attachment therefor, said attachment comprising a gage having a recess or slot therein to receive one edge of the blade, the transverse arm having a threaded end, the washer thereon recessed to receive the opposite edge of the blade, the thumb-nut thereon, the clamp adjustably secured to the handle, and the curved arm of the gage adjustably held in said clamp, substantially as specified.

7. The combination, with the gage and means for its adjustable and detachable connection with the blade of a hatchet or slater's hammer, of the handle-clamp to which said gage is adjustably connected, said clamp comprising a block clamped to the handle by a curved rod and thumb-nut, flanges on said block forming a seat for an arm of the gage held thereto by said nut, and corrugations on the meeting faces of said arm and block, substantially as specified.

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

JOHN B. SYKES.

Witnesses:

STEPHEN FAIRCHILD,
J. O. WILLEY.