

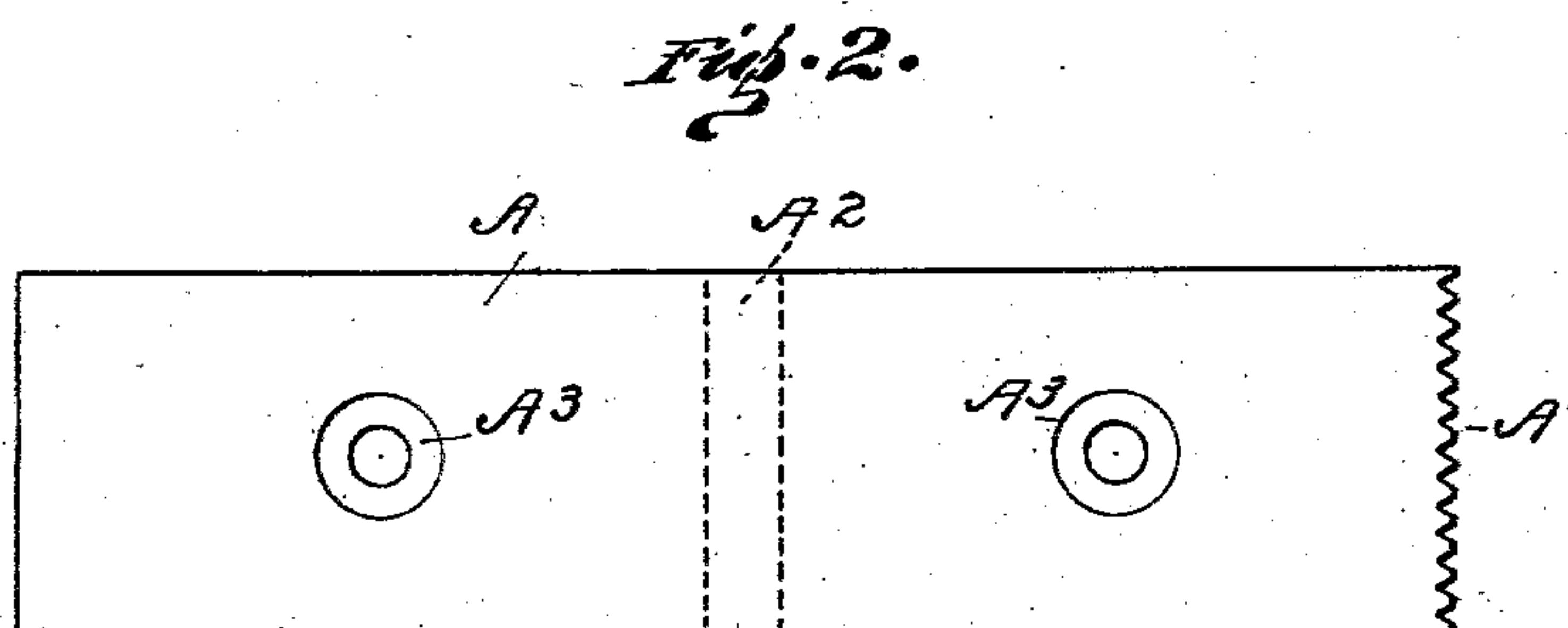
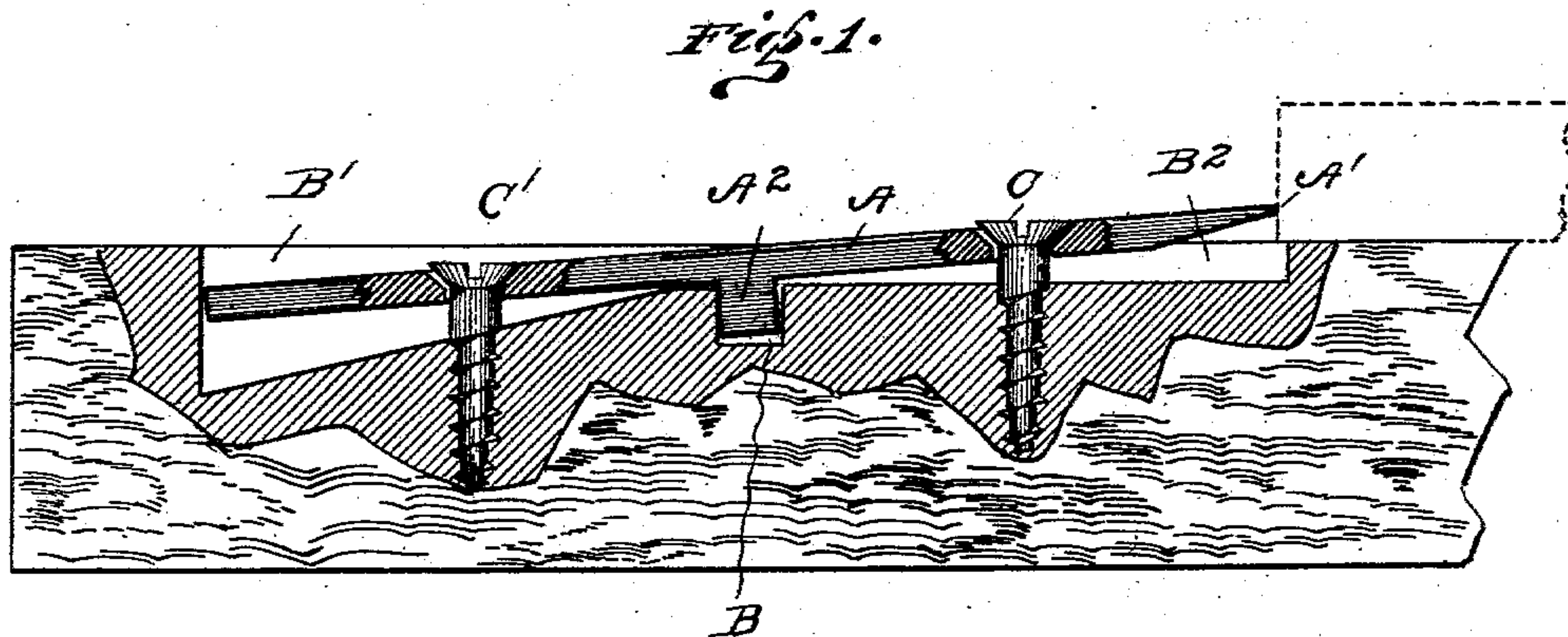
No. 743,673.

PATENTED NOV. 10, 1903.

H. W. BALTZ.
BENCH STOP.

APPLICATION FILED APR. 7, 1903.

NO MODEL.



WITNESSES:

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HENRY W. BALTZ, OF WYANDOTTE, CALIFORNIA, ASSIGNOR OF ONE-HALF
TO WILLIAM W. GILLETT, OF PALERMO, CALIFORNIA.

BENCH-STOP.

SPECIFICATION forming part of Letters Patent No. 743,673, dated November 10, 1903.

Application filed April 7, 1903. Serial No. 151,527. (No model.)

To all whom it may concern:

Be it known that I, HENRY W. BALTZ, a citizen of the United States, residing in the city of Wyandotte, county of Butte, and State of California, have invented certain new and useful Improvements in Bench-Stops; and I do hereby declare the following to be a full, clear, and exact description of the said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

This invention relates to improvements in "bench-stops," and particularly to the novel construction and arrangement of the parts. In carpentry, particularly in planing, it is necessary to have a bench-stop to butt the board being planed against to hold it firmly on the bench.

The object of this invention is to provide a bench-stop lying normally flush with the surface of the bench and capable of adjustment to accommodate boards of varying thickness and capable of ready application to the bench in such a manner that the thrust of the work will be taken up directly by the bench without straining the means of adjustment.

In the drawings, Figure 1 is a side elevation of this invention applied to a work-bench, the parts being partially broken away to better show their workings. Fig. 2 is a plan view from above of the stop.

In detail the construction consists of the stop, which comprises a flat plate A, having the serrated end A' presented to the work to be held, the lug A², integrally cast laterally across the bottom of the plate A, and the countersunk screw-holes A³ through the plate on either side of the said lug at a suitable distance therefrom.

The stop is applied to the bench by outlining a rectangle the shape of the stop and chiseling out the channel B to accommodate the lug A² and the depressions B' and B² on either side of said channel to accommodate the thickness of the plate A. The depression B' to the rear of the channel is inclined down-

wardly to allow for the depression at the end of the plate in adjusting. The adjustment is accomplished by means of the two ordinary wood-screws C and C', respectively tightened or slacked off to allow the plate to teeter on the lug till the serrated edge assumes the desired height.

The stop operates as follows: The serrated edge being adjusted to the right height, the end of the plank to be planed is butted against it, the thrust being transmitted directly to the rear wall of the channel B, thus taking all strain off the adjusting-screws.

While the construction has been shown as cast integrally, it is obvious that it may be formed of sheet metal of suitable strength with the lug upset therein or suitably attached thereto without departing from the spirit of this invention.

Having thus described this invention, what is claimed, and desired to be secured by Letters Patent, is—

1. A bench-stop consisting of a plate let into the surface of the bench, and having a lug across its lower side cooperating with a channel to take the thrust; and adjusting-screws countersunk in said plate and extending into the bench.

2. A bench-stop consisting of a plate set into the surface of the bench; and having a lug across its lower side cooperating with a channel to take the thrust; and means for adjusting the height of the stop.

3. A bench-stop adapted to be let into the surface of the bench, and having a lug across its lower side; and means for adjusting the height of the stop.

4. A bench-stop plate having a lug across its lower side; and holes in said plate on either side of the said lug; and a serrated end.

In testimony whereof I have hereunto set my hand this 30th day of March, 1903.

HENRY W. BALTZ.

Witnesses:

WILLIAM W. GILLETT,
BALDWIN VALE.