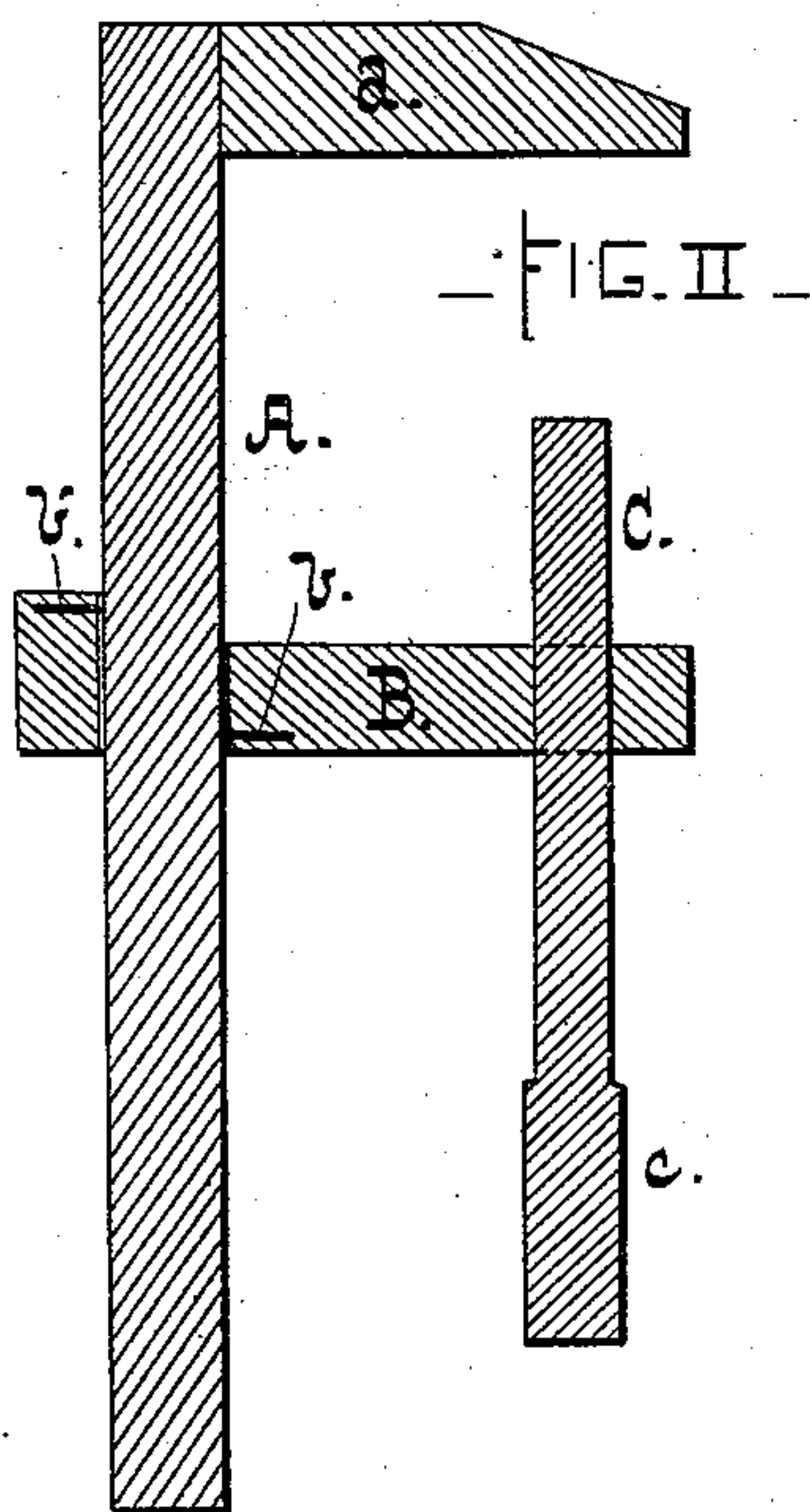
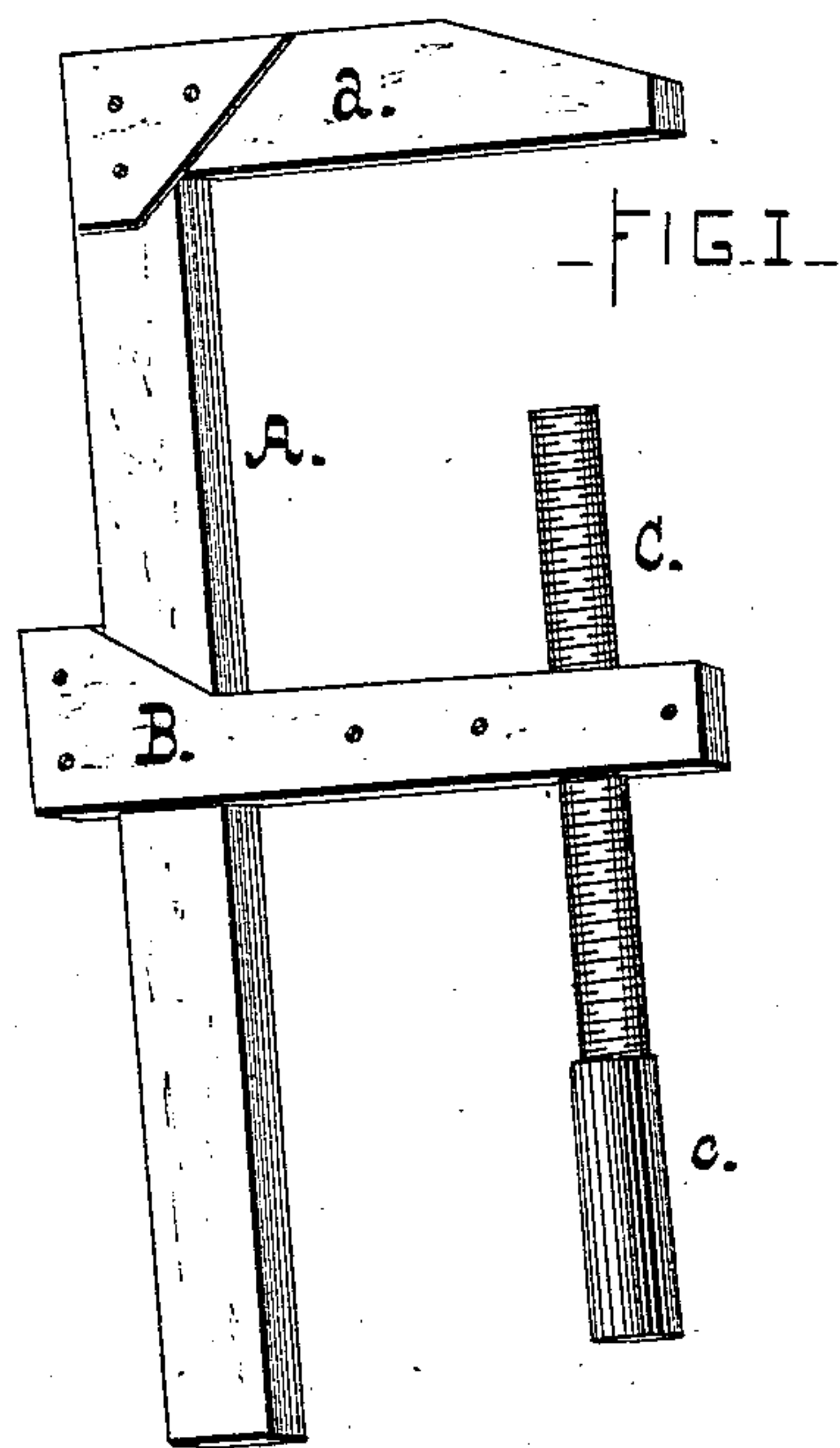


J. L. KÖNIG.
Cabinet-Maker's Clamp.

No. 226,617.

Patented April 20, 1880.



Witnesses,

H. A. Roby

Dr. H. Barclay

Inventor

J. L. KÖNIG

by

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Attorney.

UNITED STATES PATENT OFFICE.

JOHAN L. KÖNIG, OF BALTIMORE, MARYLAND.

CABINET-MAKER'S CLAMP.

SPECIFICATION forming part of Letters Patent No. 226,617, dated April 20, 1880.

Application filed September 16, 1879.

To all whom it may concern:

Be it known that I, JOHAN L. KÖNIG, of the city of Baltimore, State of Maryland, have invented certain new and useful Improvements in Cabinet-Makers' Clamps; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which—

10 Figure I is a perspective view, and Fig. II a central vertical sectional view, of the device.

My invention relates to that class of clamps in use by joiners and cabinet-makers for holding together pieces of wood which have been 15 glued pending the setting and hardening of the glue. The clamp most commonly used for this purpose consists, essentially, of a pair of bars connected together by two screws, the bars being brought together upon turning 20 the screws; but this form of device, though almost universally used, is open to the objection that it involves the loss of considerable time in adjusting the bars truly parallel and in turning up the screws.

25 To remedy this evil numerous clamps have been devised, consisting, as a rule, of a bar provided with a transverse end piece and a jaw sliding upon the bar, similar to an ordinary monkey-wrench. The bar was ratcheted 30 or corrugated to enable the sliding jaw to catch and hold upon it, the jaw being furnished with the usual clamping-screw. The evil above mentioned was thereby obviated, as the device admitted of rapid adjustment; 35 but the peculiar construction necessitated its being made of metal, causing the device to be weighty and unhandy. Besides, the ratchet-teeth afforded holding-points at fixed intervals only, so that the screw had to be turned 40 up, on an average, through half a tooth interval in order to clamp the work.

My invention has for its object to furnish a light strong clamp of the "monkey-wrench" class, whose sliding bar is adapted to catch at

any point in the length of the main bar, admitting of the work being clamped by the slightest turn of the screw. 45

In the accompanying drawings, A is the main bar, preferably of hard wood, having a transverse piece, *a*, secured thereto at right 50 angles. B is the sliding jaw, mortised for the passage of the bar A, and having one or more knife-edges, *b b'*, in the mortise to catch upon the bar A. C is the clamping-screw passing through the end of the jaw. 55

In operation the handle *c* of the screw is tilted away from the bar A, releasing the knife-edges *b b'*, and admitting of the jaw B being slid up and down the bar. The jaw is then slid up upon the bar until the screw 60 about touches the work to be clamped, when a turn or two of the screw secures it, the knife-edges being caused to bite into the faces of the bar A.

The device answers every requisite, being 65 light, strong, durable, and effective, and requiring the minimum of time for adjustment.

I am aware of Letters Patent No. 153,206, July 21, 1874, and disclaim the construction 70 therein shown.

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

The cabinet-maker's clamp herein described, consisting of the wooden bar A, having transverse piece *a*, and the mortised sliding bar B 75 and screw C, the mortise in the bar being furnished with knife-edges near its upper, outer, and lower inner edges, whereby the walls of the mortise abut against the bar A 80 when the knife-edges are fully entered, as and for the purpose set forth.

Witness my hand this 10th day of September, 1879.

JOHAN L. KÖNIG.

Witnesses:

R. D. WILLIAMS,
J. C. GITTINGER.