No. 614,136. Patented Nov. 15, 1898.

C. SCHOEN.

DEVICE FOR SETTING UP MATCHERS.

(Application filed Nov. 27, 1897.)

(No Model.)

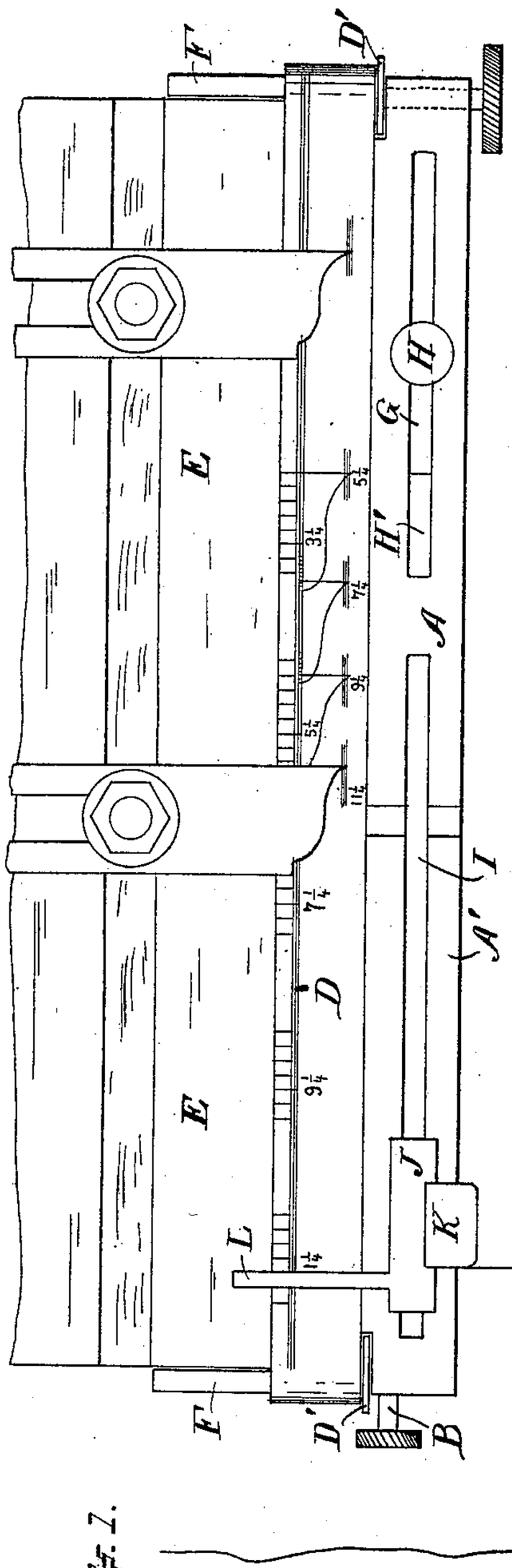

Fig. 1.

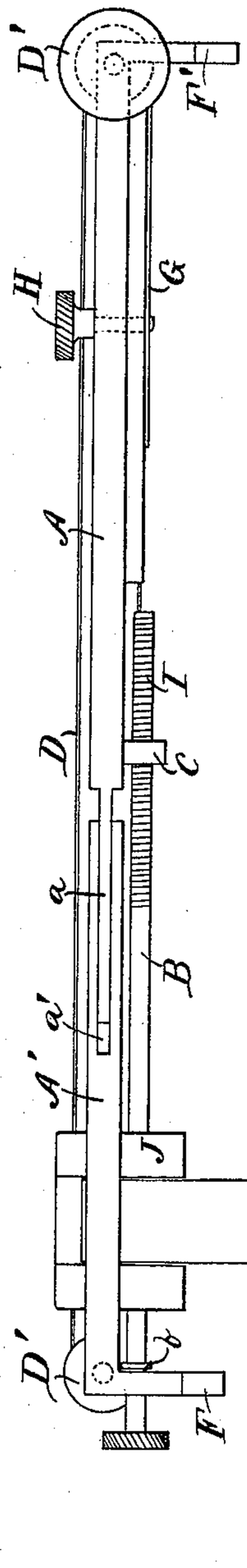

Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES SCHOEN, OF RHINELANDER, WISCONSIN, ASSIGNOR OF ONE-THIRD TO JAMES W. CONNERS, OF WAKEFIELD, MICHIGAN.

DEVICE FOR SETTING UP MATCHERS.

SPECIFICATION forming part of Letters Patent No. 614,136, dated November 15, 1898.

Application filed November 27, 1897. Serial No. 660,007. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SCHOEN, a citizen of the United States, residing at Rhinelander, in the county of Oneida and State of Wisconsin, have invented new and useful Improvements in Devices for Setting Up Matchers for Planing-Mill Machinery, of which the following is a specification.

My invention relates to improvements in that class of devices for setting up matchers for planing-mill machinery shown and described in my prior patent, No. 544,129, dated August 6, 1895.

The objects of my present invention are, first, to provide means for indicating the exact point for the adjustment of the scale-belt, and, second, to provide improved means for adjusting the body-sections to tighten or loosen the belt.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a plan view of my invention, showing the same as it is applied to a planer or matcher cylinder. Fig. 2 is a side view of my invention.

Like parts are identified by the same reference-letters in both views.

The body or frame of my device is formed in two sections A and A′, the section A being provided with a tongue *a*, adapted to fit into a groove *a′* in the section A′. The sections are held together and adjusted longitudinally by means of a screw B, secured in bearings *b* at the outer end of the section A′ and engaging in a screw-threaded eye in a stud C, projecting from the section A, as best shown in Fig. 2. The scale-belt D is located upon spools D′ and operated as described in my former patent.

For attaching the frame to the matcher-cylinder E, I use a stationary arm F and movable arm F′, located at the respective ends of the cylinder, and the movable arm is adjusted by means of a slide G and thumb-screw H, the latter being located above the frame and operating through a slot H′ instead of being placed below the frame, as described in my former patent. But the adjustment is accomplished in substantially the same manner. The left-hand portion of the frame is provided with a longitudinal slot I, in which a traveler J is located, which carries a downwardly-projecting gage-bar K, the latter being adapted, when the frame is attached to the cylinder, to project into the path of the material. The traveler is also provided with a pointer L, projecting over the scale-belt D, as shown in Fig. 1, and so located as to indicate the exact position of the left-hand edge of the gage-bar as the same is adjusted longitudinally of the frame. It is therefore obvious that if the frame be adjusted to the cylinder, as described in my former patent and as shown in Fig. 1, the gage-bar may be moved into contact with the left-hand guideway M of the planer or matcher, and the pointer L will not only indicate its position, but also the position which will be occupied by the left-hand edge of the material to be passed through the guideways. The scale-belt is then adjusted with reference to the pointer L and the tools adjusted upon the cylinder to correspond with the positions indicated upon the scale-belt, as described in my former patent.

It will be observed that by using the adjustable gage-bar and pointer I am able to mechanically indicate the exact position of the scale-belt, and can do this instantly and without danger of mistake.

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

1. In a device for molders and matchers, the combination of a frame adapted to be temporarily secured to the cylinder of a planer or matcher, an adjustable scale-belt carried by said frame, a downwardly-projecting gage-bar movably connected with said frame and a pointer permanently connected with the gage-bar, and projecting transversely over the scale-belt, substantially for the purpose set forth.

2. In a device for molders and matchers, the combination of a frame adapted to be temporarily secured to the cylinder of a planer or matcher, an adjustable scale-belt carried by said frame, a traveler adjustably secured to said frame, a downwardly-projecting gage-bar attached to said traveler, and a pointer attached to the traveler and extending transversely over the scale-belt, substantially for the purpose set forth.

3. In a device for molders and matchers, the combination of a frame adapted to be temporarily secured to the cylinder of a planer or matcher, an adjustable scale-belt carried by said frame, a traveler adjustably located in a slot in said frame, a downwardly-projecting gage-bar attached to said traveler, and a pointer attached to the traveler and extending transversely over the scale-belt, substantially for the purpose set forth.

4. In a device for molders and matchers, the combination of a frame provided with longitudinally-adjustable sections and adapted to be temporarily secured to the cylinder of a planer or matcher, an adjusting-screw secured in bearings in one of the sections and engaging at its screw-threaded end in a screw-threaded eye in the other section, said frame being provided with a scale-belt, and indicating devices for adjusting the belt, substantially for the purpose set forth.

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

CHARLES SCHOEN.

Witnesses:
JAS. B. ERWIN,
L. C. WHEELER.