

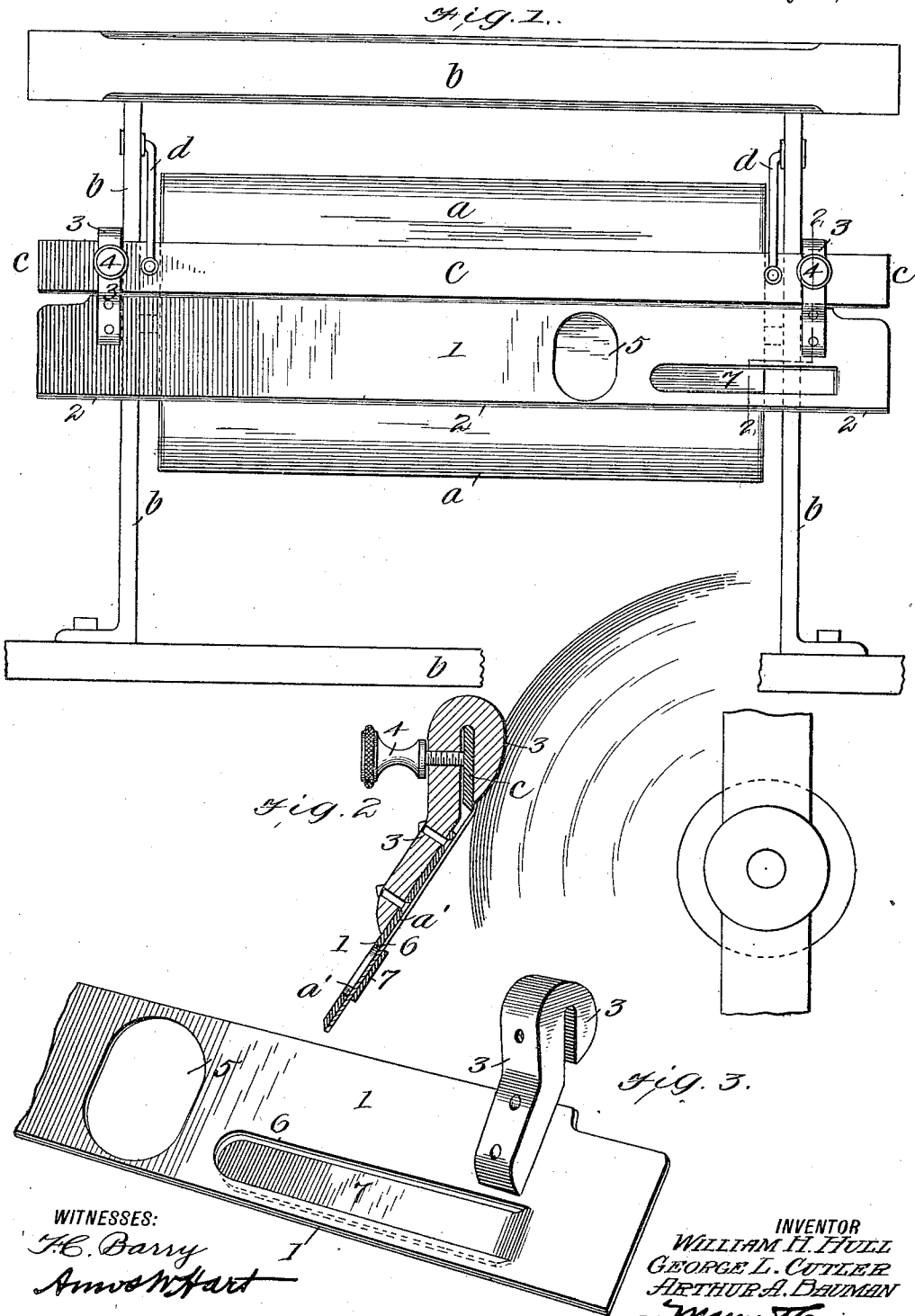
W. H. HULL, G. L. CUTLER & A. A. BAUMAN.

CLIP ATTACHMENT FOR PAPER ROLLS.

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997,822.

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UNITED STATES PATENT OFFICE.

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CLIP ATTACHMENT FOR PAPER-ROLLS.

997,822.

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To all whom it may concern:

Be it known that we, WILLIAM H. HULL, GEORGE L. CUTLER, and ARTHUR A. BAUMAN, citizens of the United States, and residents of Gregory, in the county of Gregory and State of South Dakota, have invented certain Improvements in Clip Attachments for Paper-Rolls, of which the following is a specification.

Our invention is an improved attachment for a paper-cutter of that class in which a roll of paper is wound upon a shaft and a bar or blade is pivoted in such relation to the roll as to serve as a guide in tearing off a portion of the former.

The invention consists in the construction of an attachment of such apparatus whereby the operation of severing a portion of the paper strip is facilitated.

In the accompanying drawing Figure 1 is a front elevation of an apparatus of the ordinary type provided with our improved attachment. Fig. 2 is a sectional view on the line 2-2 of Fig. 1. Fig. 3 is a perspective view of the right-hand end of the supplemental blade or clip.

a indicates a paper roll supported in the usual way upon a horizontal axle or shaft having its bearings in a vertical portable frame b . A swinging bar or blade c is pivoted to the frame in the usual way by means of arms d , and, in practice, rests upon the paper roll and serves as a guide in detaching required portions thereof.

Our improved attachment comprises chiefly a bar or blade 1 and hook-shaped clips 3 which are rigidly attached to the bar and are provided with slots adapted to receive the bar c . The hooks are provided with clamps 4 for securing the supplemental bar or blade to the bar c , detachably. The shanks of the hooks are riveted to the blade 1 and arranged at an angle to the slots of the hooks so that the said blade is held supported tangentially to the roll, or, in other words, so that it projects therefrom at a considerable angle.

A spring clamp 7 is provided at one end

of the blade 1, it being produced by cutting a portion of the blade, which is attached to the latter at one end only and lies in a plane parallel to the blade proper. In other words, the blade has a longitudinal slot 6 which was previously occupied by the spring tongue 7 and the latter is offset slightly from the blade.

The portion a' of the paper sheet which is wound on the roll is drawn under the blade 1 and between it and the spring tongue 7, as shown in Fig. 2, the tongue thus serving to support the paper in contact with the under side of the blade, so that it is always ready to be seized and drawn off the roll. The blade is provided with an oval slot 5 to facilitate application of the thumb and finger to the paper for drawing it off the roll.

By the construction and arrangement of the attachment as described, the operation of removing any required length of the paper from the roll is facilitated, so that it may be performed in about half the time usually required with the old attachment. Such rapidity of action is due largely to the fact that the end of the paper strip is held separated from the roll proper so that it may be conveniently and quickly seized.

What we claim is:—

The combination with a frame, a shaft, and a swinging bar adapted to lie against a paper roll wound on said shaft, of the removable attachment for said bar comprising a blade, hooks constructed with angular shanks adapted to hold the blade tangential to the roll, and clamp screws arranged as described, the blade having near one end a spring tongue adapted to engage and support against the under side of the blade a portion of the paper strip drawn off from the roll, substantially as described.

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