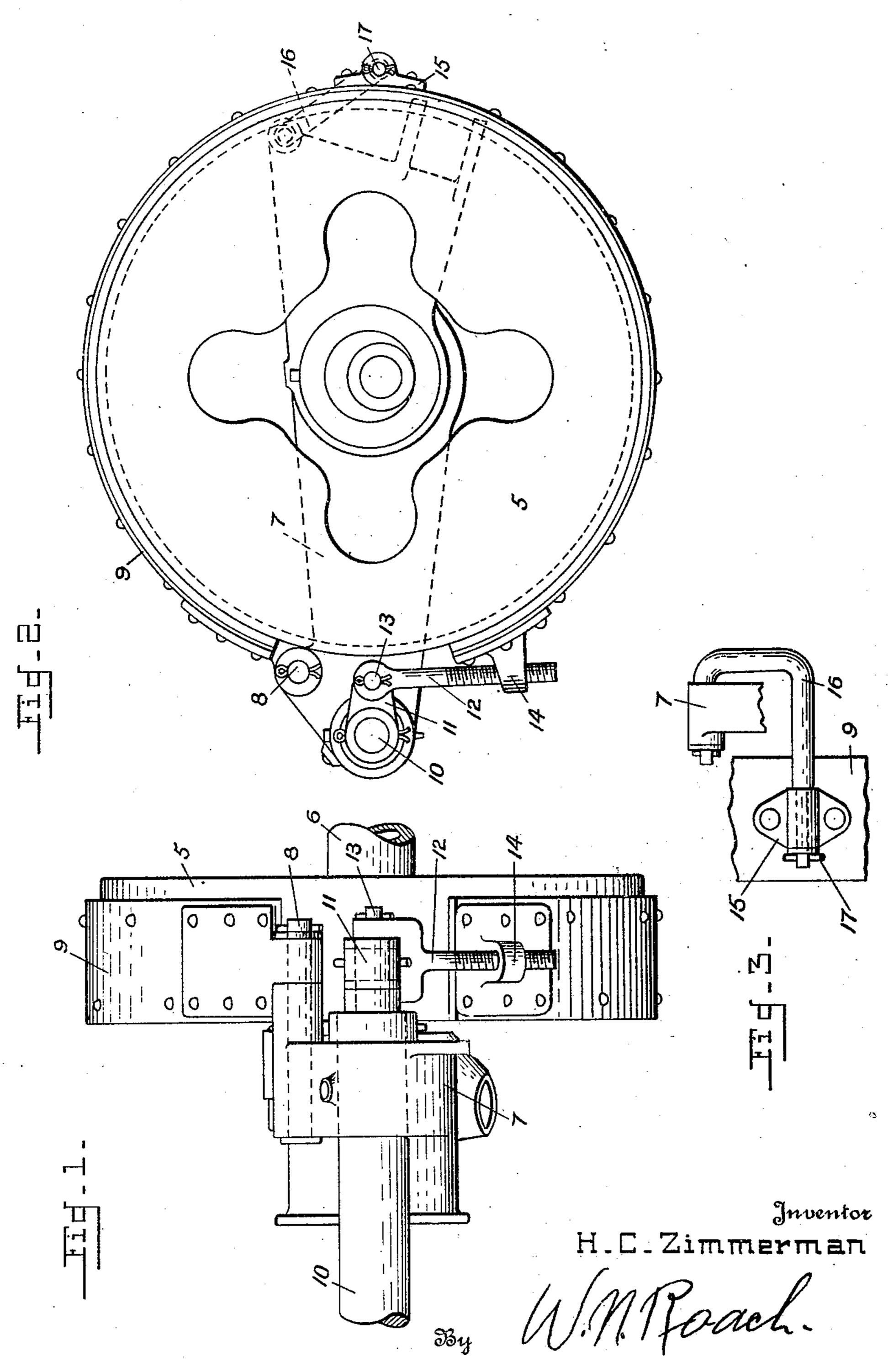
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BRAKE MECHANISM

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## UNITED STATES PATENT OFFICE.

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## BRAKE MECHANISM.

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(GRANTED UNDER THE ACT OF MARCH 3, 1883, AS AMENDED APRIL 30, 1928; 370 O. G. 757.)

The invention described herein, if patented, may be manufactured and used by or for the Government for governmental purposes without the payment to me of any roy-5 alty thereon.

This invention relates to brake mechanisms and has reference, more particularly, to means for facilitating disengagement of the

band from the drum.

10. Bands for drum brakes are usually proslots formed in brackets or clips whereby lat- bracket 15 which receives the end of an arm Such an arrangement invariably interferes 15 with the proper disengagement of the band 7, as shown. To prevent lateral movement of band drags about the drum.

ing the same purpose, the present invention 20 contemplates the provision of a swinging arm securely attached to the band and pivotally mounted in the brake hanger or on any convenient rigid element of the carriage.

To these and other ends, the invention con-25 sists in the construction, arrangement and combination of elements described hereinafter and pointed out in the claims forming a part of this specification.

A practical embodiment of the invention is

wherein:

Fig. 1 is a front end view of the drum brake

mechanism;

Fig. 2 is a side elevation thereof showing 35 the application of the swinging arm; and

Fig. 3 is a fragmentary view showing in detail the swinging arm.

Referring to the drawings by numerals of

reference:

There is shown a drum brake of more or to move outwardly from the drum. less conventional type including a drum 5 fixed to a wheel (not shown) which is mountable on the axle 6. Secured to the axle is a brake hanger 7 provided adjacent the periphery of the drum with a pin 8 for anchoring the upper end of a band 9 which encircles the drum.

The hanger is provided with a bearing for a brake shaft 10 on which is keyed a lever arm 11, the free end of which is received in 50 the bifurcated end of the adjusting link 12 and held thereto by a pin 13. The link is threaded in the ear 14 on the free end of the band 9 so that rotation of the shaft may serve to tighten or loosen the band about the drum 55. in a well known manner.

Secured to the band approximately oppovided with lugs which are free to work in site its free end is an apertured block or eral movement of the bands is prevented. 16 pivotally mounted on a rigid element of 60 the carriage, conveniently the brake hanger with the result that a greater portion of the the band it is only necessary to utilize a single securing pin 17 passing through the arm on To avoid this objection while accomplish- the side of the block opposite the hanger.

While in the foregoing there has been illustrated and described such construction and arrangement of elements as constitute the preferred embodiment of the invention, it is nevertheless desired to emphasize the fact 70 that interpretation of the invention should only be conclusive when made in the light of the subjoined claims.

I claim:

1. In a drum brake, a brake hanger, a brake 75 band having one end anchored from the 30 illustrated in the accompanying drawing, hanger, a brake shaft, means connecting said shaft and the free end of the band, a bracket secured to an intermediate portion of the band, and an arm pivotally mounted on the 80 hanger at a point within the circumference of the band and retained in said bracket.

2. The combination with a drum brake including a brake band of a swinging arm pivoted at a point within the circumference of 85 the band and actuated by release of the band

3. The combination of a drum brake including an uninterrupted braking band of swinging means actuated by release of the 90 band to lift the band from contact with the drum.

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