

G. H. McCLATCHY.
SEPARABLE DEMOUNTABLE RIM.
APPLICATION FILED JAN. 26, 1911.

1,000,424.

Patented Aug. 15, 1911.

2 SHEETS—SHEET 1.

FIG. 1.

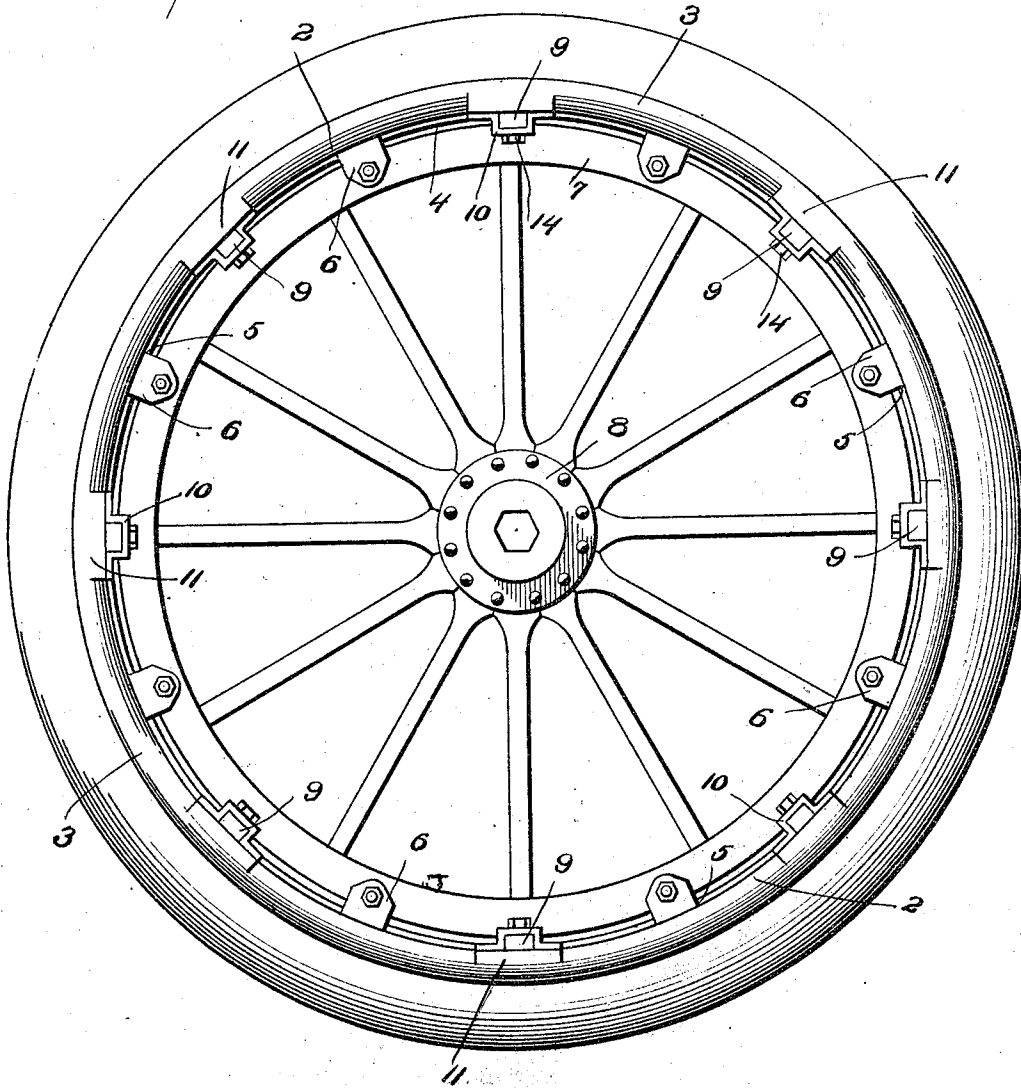
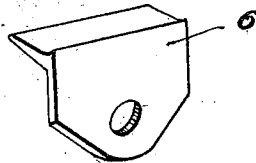


FIG. 2.



Witnesses

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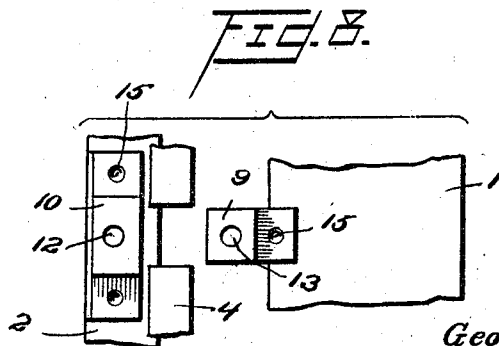
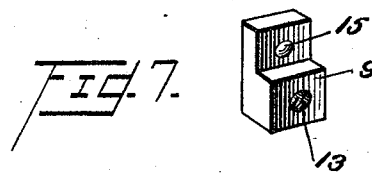
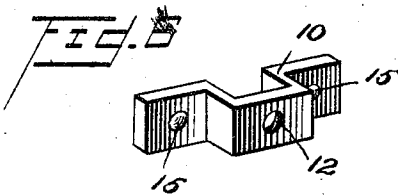
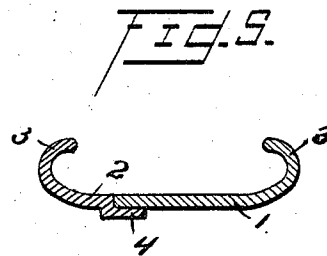
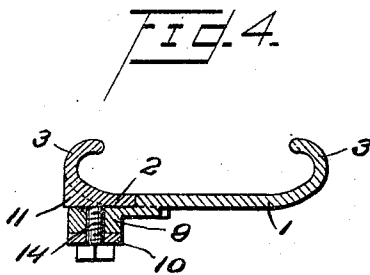
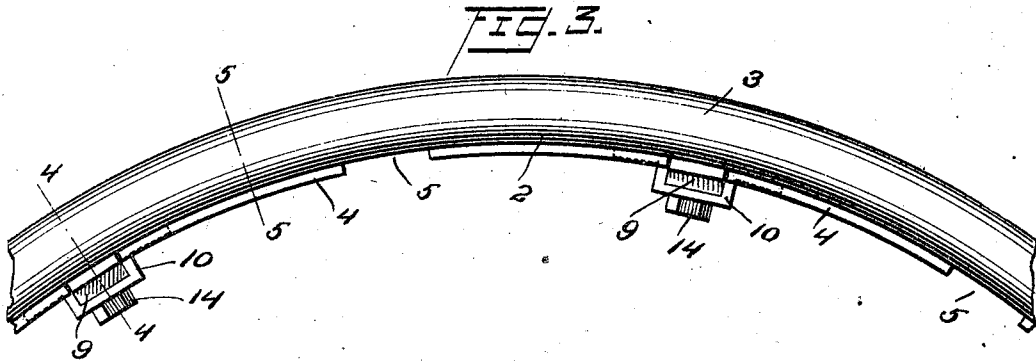
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2 SHEETS-SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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SEPARABLE DEMOUNTABLE RIM.

1,000,424.

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Application filed January 26, 1911. Serial No. 604,747.

To all whom it may concern:

Be it known that I, GEORGE H. McCLATCHY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Separable Demountable Rims, of which the following is a specification:

My invention relates to improvements in separable demountable rims, the object of the invention being to provide improved means for connecting the two ring sections of a rim of the clencher type.

A further object is to provide a rim of this character in which the sections may be easily and quickly separated regardless of the length of time they remain together, and in which the work may be performed by any one of average intelligence, not requiring skilled labor.

A further object is to provide an improved rim of this character which can be manufactured and sold at a comparatively low price, which will be neat and attractive in appearance, strong and durable in use.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view in side elevation illustrating my improved rim in position on a wheel. Fig. 2, is a perspective view of one of the wedges employed to clamp the rim on the felly. Fig. 3, is a fragmentary side elevation of the rim. Fig. 4, is a view in section on the line 4-4 of Fig. 3. Fig. 5, is a view in section on the line 5-5 of Fig. 3. Fig. 6, is a detail perspective view of one of the brackets or keepers 10. Fig. 7, is a perspective view of one of the blocks or bolts 9, and Fig. 8, is a view in elevation illustrating the rim sections separated, but with the parts in position for interlocking.

My improved rim comprises two ring sections 1 and 2. These sections 1 and 2 are both complete rings, the former being appreciably wider than the latter and both having their outer edges curved as shown at 3 forming a rim of the clencher type.

Section 2 is made at its inner edge with an off-set flange 4 to overlap section 1 as shown most clearly in Fig. 5. This flange is

notched or broken away at regular intervals as shown at 5 for the reception of wedges 6 interposed between the rim and the felly 7 of the wheel 8.

While the invention is not limited to any particular form of wedge, a form such as that shown in Fig. 2 may well be employed and will answer the purpose.

Midway between the notches or recesses 5, the flange 4 is recessed or notched for the accommodation of locking means, which will now be described. On the section 1, bolts or blocks 9 are secured preferably by electric welding, and are preferably of the stepped form shown in Fig. 7. The larger ends of these bolts or blocks 9 project outward from the edge of section 1, and are adapted to enter angular brackets or keepers 10 secured to section 2. As these brackets or keepers 10 are secured to the section 2, adjacent the outer edge of the latter, where said sections curve to form the clencher side, blocks 11 having one face corresponding in shape to the face of the section, are secured, preferably by electric welding to said sections, and are made with flat outer faces to which the brackets or keepers 10 may be readily welded.

The keepers 10 are preferably slightly larger than the bolts or blocks 9, so as to readily receive the latter, but form a snug fit and said brackets and the blocks or bolts are provided with registering screw-threaded openings 12 and 13 respectively for the reception of screws 14 to securely lock them together and hold the rim sections tightly joined.

To detach one section from the other, it is simply necessary to loosen or remove the screws 14, when the section may be pulled apart, the blocks or bolts 9 readily moving out of the brackets or keepers 10.

In assembling, it is simply necessary to register the blocks or bolts with the keepers, and then force them together until the openings 12 and 13 register, when the screws 14 may be screwed home to lock the parts.

The wedges 6 serve to hold the rim on the wheel and by loosening these wedges, the rim may be readily removed whenever desired. By arranging the locking means an equal distance apart, and the notches 5 an equal distance apart, the positioning of one locking means positions all, and the positioning of one notch 5 over one of the wedges 6 positions all of the notches, so that

it requires no manipulation whatever to properly assemble the parts.

To facilitate the electric welding of the several parts, they are depressed as shown at 15, so that they will center themselves in position to facilitate the electric welding process and form a firm and secure welding.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A rim of the character described, comprising two circular ring sections, one section having a flange projecting over the other section, blocks on one section, and said flange cut away to receive said blocks, keepers on the other section to receive said blocks, said keepers and said blocks having registering screw-threaded openings, and screws in said openings, substantially as described.

2. A rim of the character described, comprising two circular ring sections, one section wider than the other, a narrower section having a flange projecting over the

wider section, both sections having inwardly bent edges forming a rim of the clencher type, angular blocks on one section, angular keepers on the other section to receive and fit said blocks, and said flange cut away to receive said blocks, said keepers and said blocks having registering screw-threaded openings, and screws in said openings, substantially as described.

3. A rim of the character described, comprising two circular ring sections, one section wider than the other, both sections having inwardly bent edges forming a rim of the clencher type, the narrower section having a flange projecting over the wider section, blocks welded to the narrower section and fitting against the bent edge thereof, and flat on their outer faces, keepers welded to said blocks, blocks welded to said wider sections, and projecting into said keepers, said last-mentioned blocks and said keepers having registering screw-threaded openings, and screws in said openings, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE H. McCLATCHY.

Witnesses:

SAMUEL F. CLEVENGER,
KATHARINE PAHL.