Nov. 11 , 1924. 1,515,097

W. E. DICKSON

THEFT LOCK FOR DISK WHEELS

Filed Dec. 12, 1922

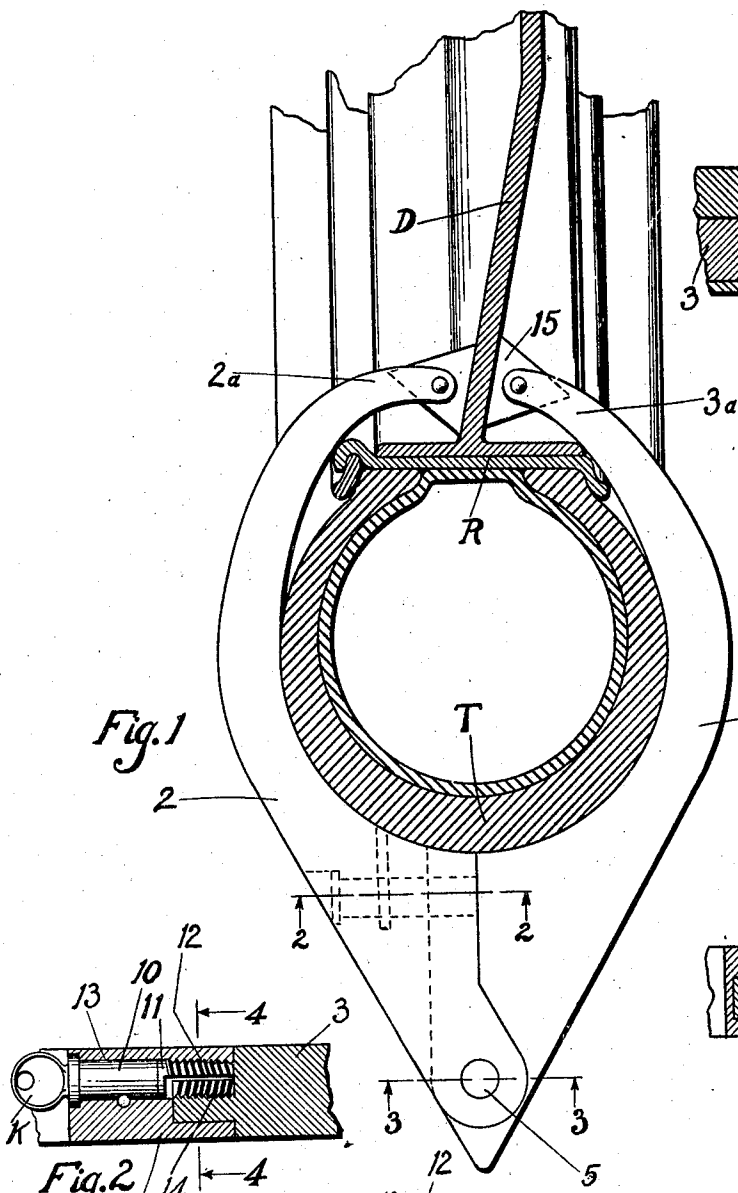


Fig. 1

Fig. 2

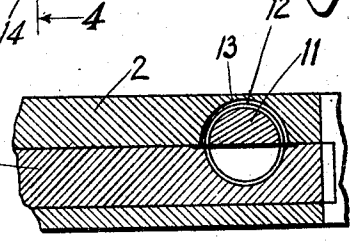


Fig. 4

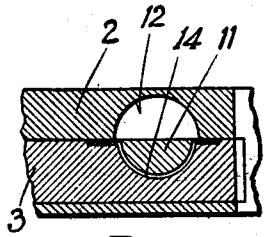


Fig. 5

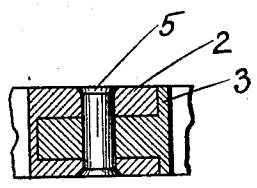


Fig. 3

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UNITED STATES PATENT OFFICE.

WILLIAM E. DICKSON, OF ONTARIO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO GEORGE B. ELLIOTT, OF ONTARIO, CALIFORNIA.

THEFT LOCK FOR DISK WHEELS.

Application filed December 12, 1922. Serial No. 606,403.

To all whom it may concern:

Be it known that I, WILLIAM E. DICKSON, a citizen of the United States, residing at Ontario, in the county of San Bernardino and State of California, have invented new and useful Improvements in Theft Locks for Disk Wheels, of which the following is a specification.

This invention relates to signal devices and more particularly to theft locks for disk wheels of automobiles and other vehicles.

It is an object of the present invention to provide a so-called theft lock adapted to be applied readily to vehicle wheels having disk centers. Another object is to provide a theft lock of simple and practical construction and which may be securely fastened when applied.

Other objects and advantages will be made manifest in the following specification of an embodiment of the invention illustrated in the accompanying drawings, wherein—

Figure 1 is a radial section through a wheel rim of the disk type carrying a pneumatic tire and showing in elevation the applied and fastened theft lock.

Fig. 2 is a section in detail on line 2—2 of Fig. 1 showing the locking means.

Fig. 3 is a section on line 3—3 of Fig. 1.

Fig. 4 is a detail section on line 4—4 of Fig. 2, showing the bolt in free or disengaging position, and Fig. 5 is a section on the same line showing the bolt turned to locking position.

The present theft signal and lock consists of a pair of arcuate clamp sections 2 and 3 having inner curved surfaces, approximating the curvature of the given size tire T which is mounted on a rim R of a wheel having a disk center or plate D. The clamp arms or sections 2—3 are mutually mortised and tenoned as shown in Fig. 3, and connected at the meeting ends on a pivot pin 5 so disposed as to permit the clamp sections 2 and 3 to be closed and opened toward and from the tire T so as to bring inwardly turned ends 2^a and 3^a in toward the wheel disk D in such manner as to prevent the direct radial pulling of the theft lock from the rim when the clamp sections are closed.

Means are provided for fastening the clamp sections in the closed position and such means are here shown as including a key controlled cylinder lock 10 having an inwardly projecting semicylindrical bolt part 11 which is shown as peripherally grooved to form locking teeth 12. The lock cylinder 10 is adapted to be mounted in a pocket 13 provided therefor as in the clamp section 2, and when this section is brought into closed position, the rotary bolt 11 will project into a position in which it can be rotated so that the teeth 12 can be meshed with the interrupted or semicylindrical nut socket 14 provided in the clamp section 3.

It will be seen that when the semicylindrical bolt 11 is carried up by its clamp section 2, it will be presented in diametrically opposite position to the nut like socket or toothed chamber 14. Then by rotating the bolt 11 by means of the key K, the latter will be turned into interlocking mesh with the toothed socket 14, and thereafter it will be impossible to separate the clamp sections 2 and 3 until the semicylindrical bolt 11 is again rotated out of engagement with the nut or socket part 14.

Preferably, the inwardly projecting claw-like ends 2^a and 3^a of the clamp sections are provided with cushioning pads or grippers 15 which may be brought in against the faces of the disk D and, therefore, these will be protected against marring and scratching by engagement with the ends of the clamps.

Further embodiments, modifications and changes may be resorted to within the spirit of the invention as here claimed.

What is claimed is:

1. A theft lock and signal device comprising a pair of clamp-like sections pivotally connected and having inwardly turned ends to be closed in toward the contiguous faces of a disk wheel, and means for locking the clamp lock sections in closed position, said locking means including an interrupted toothed socket provided in one section and a key controlled semicylindrical bolt provided on the other section and adapted to be rotated into locking engagement with the teeth of the socket.

2. A theft lock and signal device comprising a pair of clamp-like sections pivotally connected and having inwardly turned ends to be closed in toward the contiguous faces of a disk wheel, one section having internal threads describing substantially half a circle and the other section having a key controlled bolt with an externally threaded end forming half a circle, the threads of the bolt

meshing with the internal threads when the bolt is properly turned.

3. A theft lock and signal device comprising a pair of clamp-like sections pivotally connected at their points formed on the lower ends and having inwardly turned upper ends to be closed in toward the contiguous faces of a disk wheel and means for locking the clamp-like sections in closed position, said locking means being above the pivot and including an interrupted toothed socket provided in one section and a key controlled semi-cylindrical bolt provided on the other section and adapted to be rotated into locking engagement with the teeth of the socket.

In testimony whereof I have signed my name to this specification.

WILLIAM E. DICKSON.