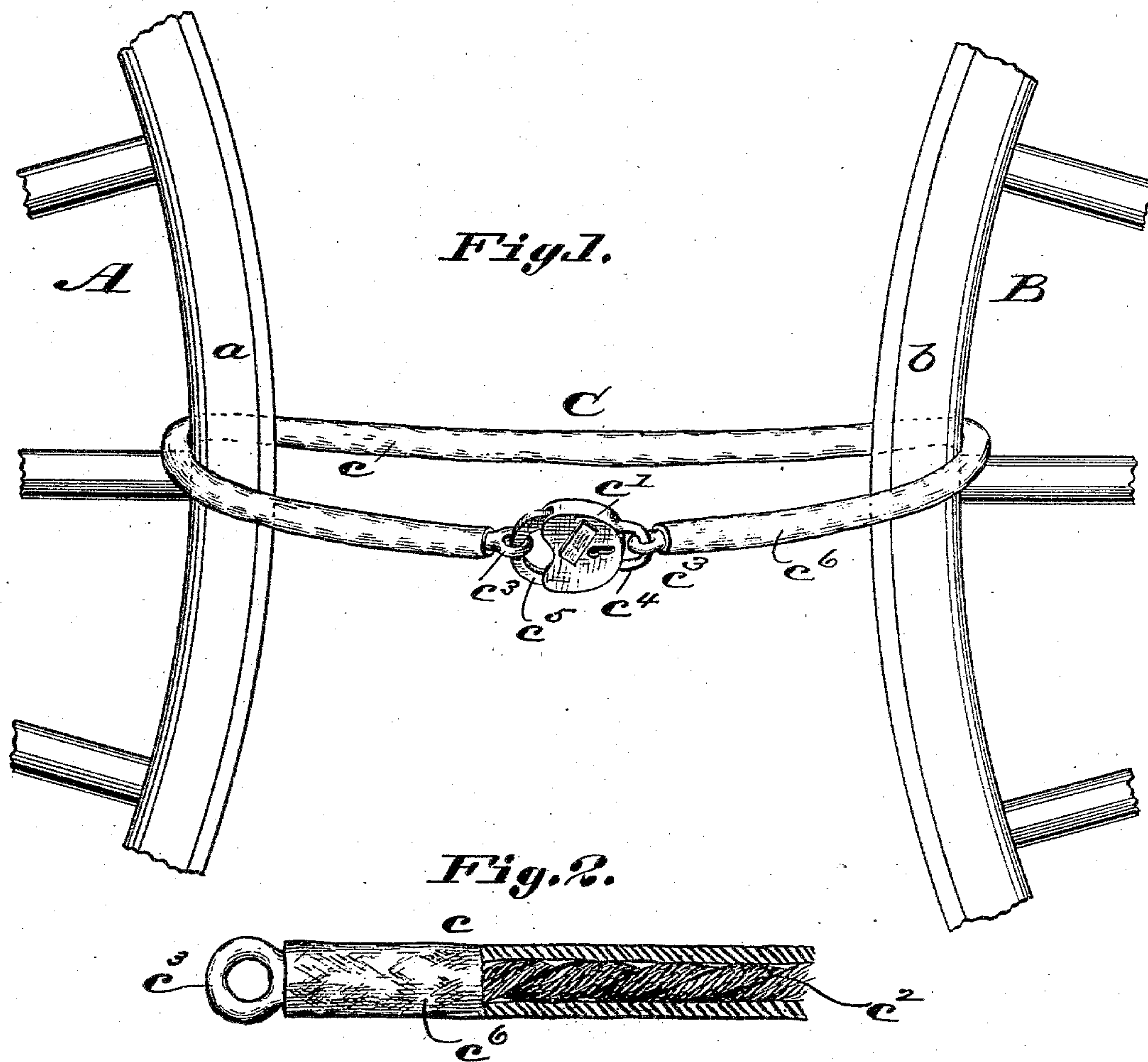


(No Model.)

W. B. BAIN.  
CARRIAGE WHEEL LOCK.

No. 288,154.

Patented Nov. 6, 1883.



*Attest;*  
S. E. Logan.  
Paul Bakerell

*Inventor;*  
William B. Bain



# UNITED STATES PATENT OFFICE.

WILLIAM B. BAIN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO  
ROBERT E. W. BAIN, OF SAME PLACE.

## CARRIAGE-WHEEL LOCK.

SPECIFICATION forming part of Letters Patent No. 288,154, dated November 6, 1883.

Application filed August 30, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM B. BAIN, of St. Louis, Missouri, have made a new and useful Improvement in Carriage-Wheel Locks, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a side elevation, exhibiting the improvement in position; and Fig. 2 a detail, being a view partly in section of a portion of the tie.

The same letters of reference denote the same parts.

The aim and effect of this improvement is to provide means for readily locking the wheels of a carriage in such a manner as to prevent interference therewith by unauthorized persons. An additional feature is the means for preventing the lock from marring the wheels.

A and B represent, respectively, the front and hind wheels of a carriage.

C represents the lock. It consists substantially of a tie and a lock, the tie passing around and connecting the rims *a b* of the wheels A B, and the lock connecting the ends of the tie. The tie *c* should be of such material as to prevent its being severed by any ordinary instrument—such as a pocket-knife—and the lock *c'* should be made to be opened by a key, or otherwise so constructed as to require special means or appliances for opening it. To this end the tie is preferably made of wire rope *c²*, terminating in, or at its ends provided with, the eyes *c³ c³*, and the lock is made in the form of a padlock, provided at one end with an eye, *c⁴*, and also with the usual hasp, *c⁵*. One of the eyes *c³* of the tie engages permanently with the eye *c⁴* of the padlock, and the tie, after being passed around the wheel-rims, is connected by passing the hasp *c⁵* of the padlock through the other eye *c³* and locking the padlock in the ordinary manner, and substantially as shown

in Fig. 1. The wheels thus locked cannot be disengaged until the padlock is unlocked by means of its key.

The improvement is especially designed to prevent interference with the vehicle by thieves who are not likely to have in their possession at the time means for severing the tie or unlocking the padlock. As the lock is also especially designed for use upon finely-finished vehicles, it is desirable that it should be so made as to prevent it from scratching or marring the vehicle. Therefore the wire rope is inclosed in a tube, *c⁶*, of leather or rubber, or is otherwise so covered as to prevent it from abrading the wheels. The wire rope also imparts to the tie sufficient consistency to cause it to support the padlock between the wheels and to prevent that part of the lock from falling against the wheels and injuring them.

The device can also be more conveniently handled than if in the form of a chain, and at the same time the tie is sufficiently pliable to be passed around the wheel-rims.

I claim—

1. A carriage-wheel lock consisting of the tie *c* and the lock *c'*, substantially as described.
2. The combination of the tie *c²*, the eyes *c³ c³*, and a padlock having the eye *c⁴* and hasp *c⁵*, substantially as described.
3. The combination of the tie *c²*, the covering *c⁶*, and the lock *c'*, substantially as described.
4. The combination of the tie *c²*, the eyes *c³ c³*, the covering *c⁶*, and the padlock having the eye *c⁴* and the hasp *c⁵*, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 24th day of August, 1883.

WILLIAM B. BAIN.

Witnesses:

JNO. F. VALLE,  
DAVID P. HULL.



Correction in Letters Patent No. 288,154.

It is hereby certified that in Letters Patent No. 288,154, granted November 6, 1883, upon the application of William B. Bain, of St. Louis, Missouri, for an improvement in "Carriage-Wheel Locks," the name of the assignee of one-half interest of said invention was written and printed "Robert E. W. Bain;" that said name should have been written and printed *Robert E. M. Bain*; and that the proper correction has been made in the files of the case in the Patent Office, and should be read in the patent to make it conform thereto.

Signed, countersigned, and sealed this 27th day of November, A. D. 1883.

[SEAL.]

M. L. JOSLYN,

*Acting Secretary of the Interior.*

Countersigned:

BENJ. BUTTERWORTH,

*Commissioner of Patents.*