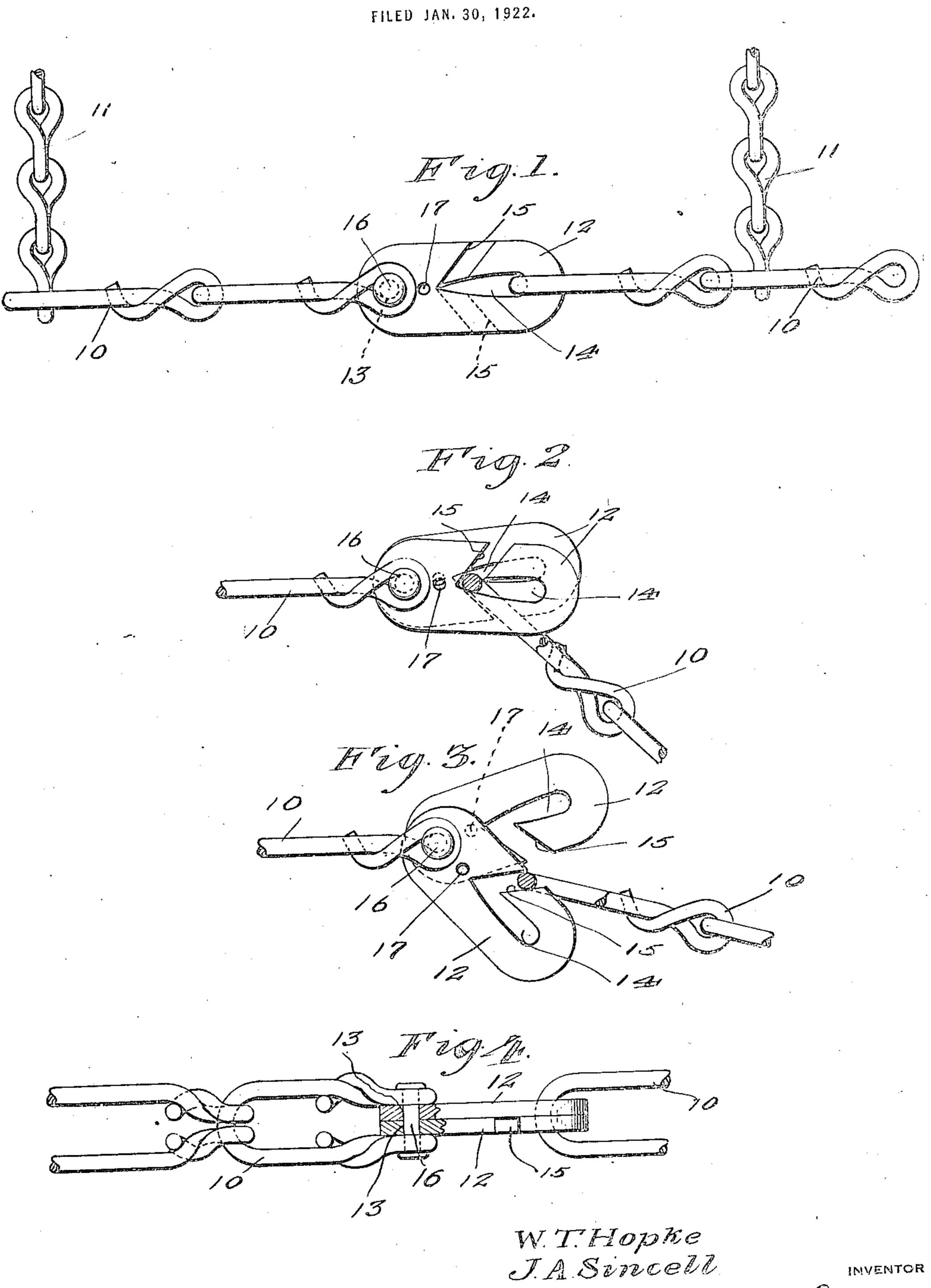
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W. T. HOPKE ET AL.
CHAIN CONNECTOR.



12.a. Thomas

BY USESSON

WITNESSES

## STATES PATENT OFFICE.

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## CHAIN CONNECTOR.

Application filed January 30, 1922. Serial No. 532,835.

5 county of Taylor and State of West Vir- one end with an opening 13 for the pas-

10 non-skid chains for vehicle tires and has vided with a longitudinally disposed slot 14

chains in position for use.

15 or hook, by means of which the free ends of an acute angle with respect to the slot 14. the chains may be quickly and easily connected in a manner to prevent their acci- end of the chain, they are arranged in sudental separation, yet permit them to be perposed relation with the slots 15 extending quickly and easily separated when it is de- in opposite directions and are connected to- 75 20 sired to remove the chains.

operation and which in addition, is cheap end of the chain is inserted in one of the 80

operation.

With the above and other objects in view, the invention further includes the follow-30 ing novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claim.

In the drawings:—

Figure 1 is a fragmentary elevation of a portion of a non-skid chain with the invention applied thereto the chain being shown in connected position.

Figure 2 is a similar view with the con-

to the separation of the chain.

Figure 3 is a like view showing the chain released.

Figure 4 is a plan view showing the parts

45 in the position illustrated in Figure 1.

50 tudinal members of a non-skid chain, the members, they may be brought into register the longitudinal members are connected being indicated at 11.

For the purpose of detachably connect-55 ing the adjacent free ends of the longitudinal members 10 together, the invention pro-

To all whom it may concern: vides a connector or hook which is formed Be it known that we, William T. Hopke, of a pair of complemental members 12. and James A. Sincell, citizens of the Each of these members is preferably United States, residing at Grafton, in the stamped from flat metal and is provided at 60 ginia, have invented new and useful Im- sage of a pivot pin, by means of which the provements in Chain Connectors, of which members may be pivotally connected tothe following is a specification.

gether and pivotally secured to one end of This invention relates to improvements in the chain 10. Each member is further pro- 65 particular relation to means for securing the which tapers at its inner end, at which end it communicates with a transverse slot 15. An object of the present invention is the This last mentioned slot opens at one side provision of a novel form of chain connector edge of the member 12 and is disposed at 70

When the members 12 are secured to the gether and to the chain 10 by a pivot pin 16 Another object of the invention is the so as to permit of relative pivotal moveprovision of a device of the above char- ment. In use, the members are opened to acter, which is simple of construction and the position shown in Figure 3 and the free 25 to manufacture, being stamped from sheet entrance slots 15, the members being partly metal with the use of a single die and in one closed and the end link of the chain moved in a direction toward the enlarged end of the slot 14 until the said link reaches the outer end of the other entrance slot 15. The 85 link is then moved inward along this slot to the position shown in Figure 2, whereupon the members may be completely closed and the link moved to the outer end of the slot 14. The slots 14 of the two members 90 thus provide a completely closed slot so as to return the engaged link in place.

If desired, the members may be provided with an additional opening 17 which is located at the longitudinal center of the mem- 95 40 nector or hook partly opened preparatory bers so that when the latter are closed, the slots 17 will be brought into register for the passage of a cotter pin or other suitable

locking element. By the construction shown and described, 100 the connector may be made with the use of Referring to the drawings in detail, a single die, the members being reversed to wherein like characters of reference denote reverse the position of the open ends of the corresponding parts, the reference character entrance slots 15 and as the openings 13 and 10 indicates the adjacent ends of the longi- 17 are located on the longitudinal center 105 cross members or chains by means of which for the passage of the pivot pin 16 and a suitable locking element.

The invention is susceptible of various changes in its form, proportions and minor 110 details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claim.

Having described the invention what is

claimed is:—

5 A chain connector comprising a pair of complemental members arranged in super members. imposed relation and pivotally connected together at one end, each of said members being provided with a longitudinally disposed 10 slot and an angularly disposed slot extend-

ing from the inner end of the first mentioned slot and the angularly disposed slots of the said members being open at their outer ends and inclined oppositely and outwardly in a direction away from the pivoted ends of said 15

In testimony whereof we affix our sig-

natures.

WILLIAM T. HOPKE. JAMES A. SINCELL.