

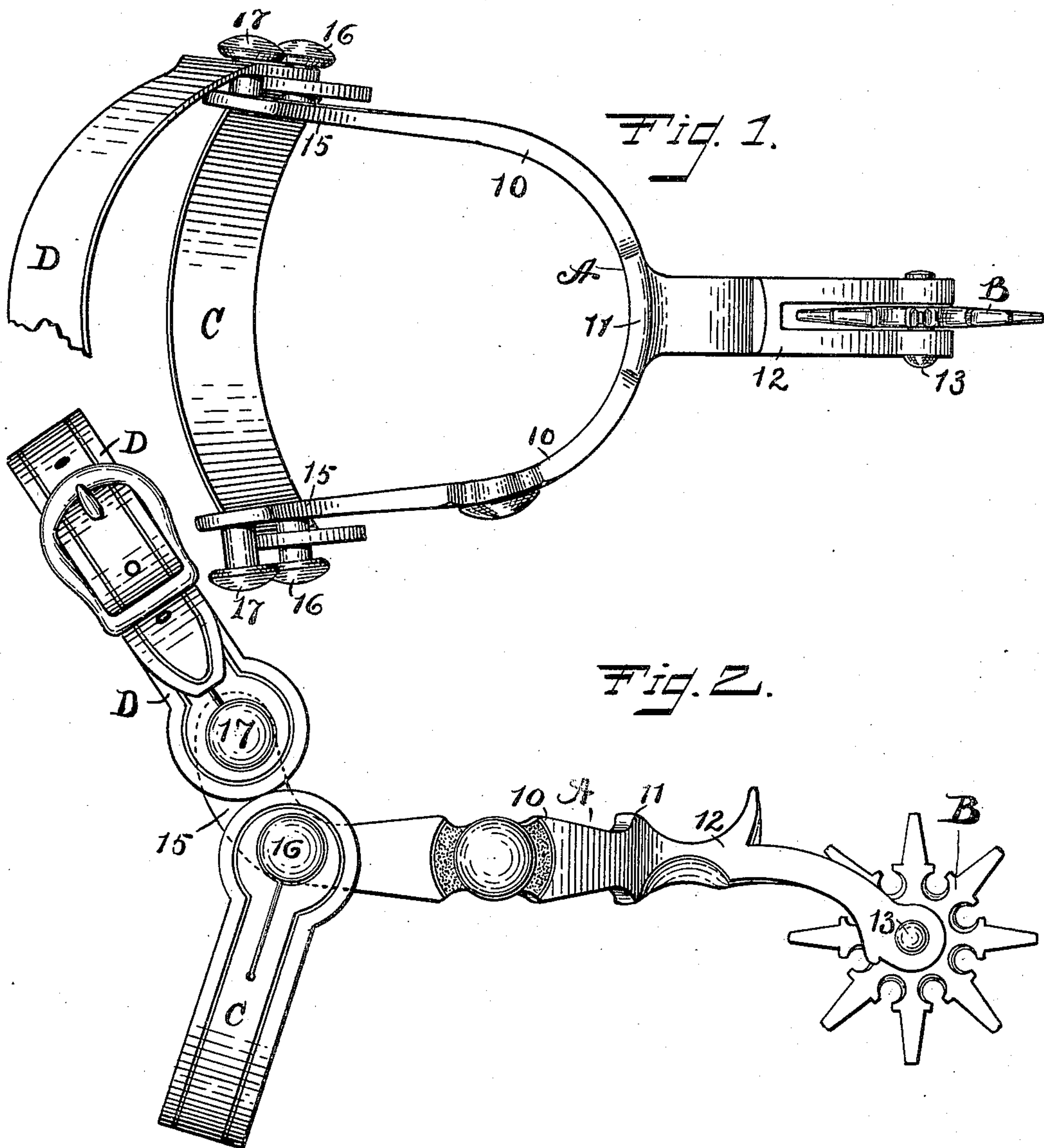
F. C. MONIER.

SPUR.

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934,559.

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Witnesses:-

S. H. Clarke

M. L. Lockwood

Inventor

Frederick C. Monier.

By Louis M. Schmidt.
Att'y.

UNITED STATES PATENT OFFICE.

FREDERICK C. MONIER, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE NORTH AND JUDD MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION.

SPUR.

934,559.

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To all whom it may concern:

Be it known that I, FREDERICK C. MONIER, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Spurs, of which the following is a specification.

My invention relates to improvements in spurs, and the objects of my improvements are simplicity and economy in construction and convenience and efficiency in use.

In the accompanying drawing:—Figure 1 is a plan view of my spur. Fig. 2 is a side elevation of the same.

A is the body of my spur and is provided with the lateral arms 10 arranged in the usual U form to embrace the heel of the boot and is provided at the apex 11 with the backwardly projecting rowel stud 12, bifurcated at the end to receive the rowel B, the said rowel being pivoted on the pin 13. At their outer extremities the said lateral arms 10 are given a sharp bend at angles somewhat near 45 degrees and continued for a short distance upward and forward to form the short branch arms 15, which accordingly form an obtuse angle with the said main arms 10. At the apex of the said obtuse angle is mounted on the outer side an instep strap button 16 and near the outer ends of said branch arms 15 an ankle strap button 17. Buttoned on to the said instep buttons 16 is a single integral instep strap C adapted to be received in the instep of the boot. Ankle straps D, D, are buttoned onto the said ankle strap buttons 17, one of which has a buckle and the other a series of holes for buckling together in the usual manner. In normal use, the said arms 10 embrace the heel of the boot, the instep strap C is received in the instep, and then the ankle straps D, D, are buckled together to a snug fit over the ankle, the result being that the said branch arms 15 tend to assume a position in alinement with the straps C and D. The result is that the said branch arms 15 are ready to swing one side or other of said alinement as a consequence of any strain on the said stud 12 and bring the said straps C and D in suitable relative positions to resist such strains. For instance, an upward strain on the said stud 12 would tend to bring the said branch arms 15 to a horizontal position

which tendency would be resisted by the straps with the ends of the ankle straps D, D, on the ankle strap buttons 17 as fulcrums and the ends of the instep strap C on the instep strap buttons 16 taking the intermediate strain. Under the reverse conditions, *i. e.* with a downward pressure on the said stud 12, the said branch arms would be swung away still farther than normal from the horizontal position, bringing the said instep strap buttons 16 in front of the said ankle strap buttons 17, so that the relative point of action of the two straps will be reversed from that described, *i. e.* the ends of the instep strap C will function as fulcrums and the ends of the instep straps D, D, will take the intermediate strain.

Accordingly with the construction described and in the manner described all strains on the stud are readily and efficaciously transferred to the combined ankle straps and instep strap. Of particular importance is the case of the downward pressure on the said stud, which pressure corresponds to that produced by an upward pull on the part of the rider, with the rowel or any part of the rowel stud on the under side of the body of the horse. This may be done without injury to the horse by bringing the rowel to bear against the girth. This means that equipped with a pair of my spurs, in case of high speed as a safety measure on the part of the rider he may virtually dig his heels in against the sides of the horse, without injury to the animal and may secure a hold that will insure him against being thrown off. And with the angular arrangement of the points of attachment of the straps as described, this result will be attained with a minimum of lost motion, and furthermore, the straps are so disposed as to effectively prevent displacement of the spur in any direction.

I claim as my invention:

1. A spur having a U shaped body comprising main lateral arms and branch arms, said branch arms extending upward from the front ends of the said main arms at an obtuse angle, and strap buttons mounted at the apexes of the said angles and at the outer extremities of the said branch arms.
2. A spur having main lateral arms, branch arms and an instep strap, the said main arms

and branch arms joined at an obtuse angle, and the said instep strap attached at the apexes of the said angles.

- 5 3. A spur having a U shaped body comprising main lateral arms and branch arms, an instep strap, and a pair of ankle straps, the said branch arms extending upward at an obtuse angle from said main arms, the

said instep strap attached by its ends at the apexes of said obtuse angles and the said 10 ankle straps attached to the upper ends of the said branch arms.

FREDERICK C. MONIER.

Witnesses:

ROBT. P. NUSS,
F. M. HOLMES.