

(No Model.)

C. RONDELL.
BUNDLE CARRIER FOR BICYCLES.

No. 605,188.

Patented June 7, 1898.

Fig. 1.

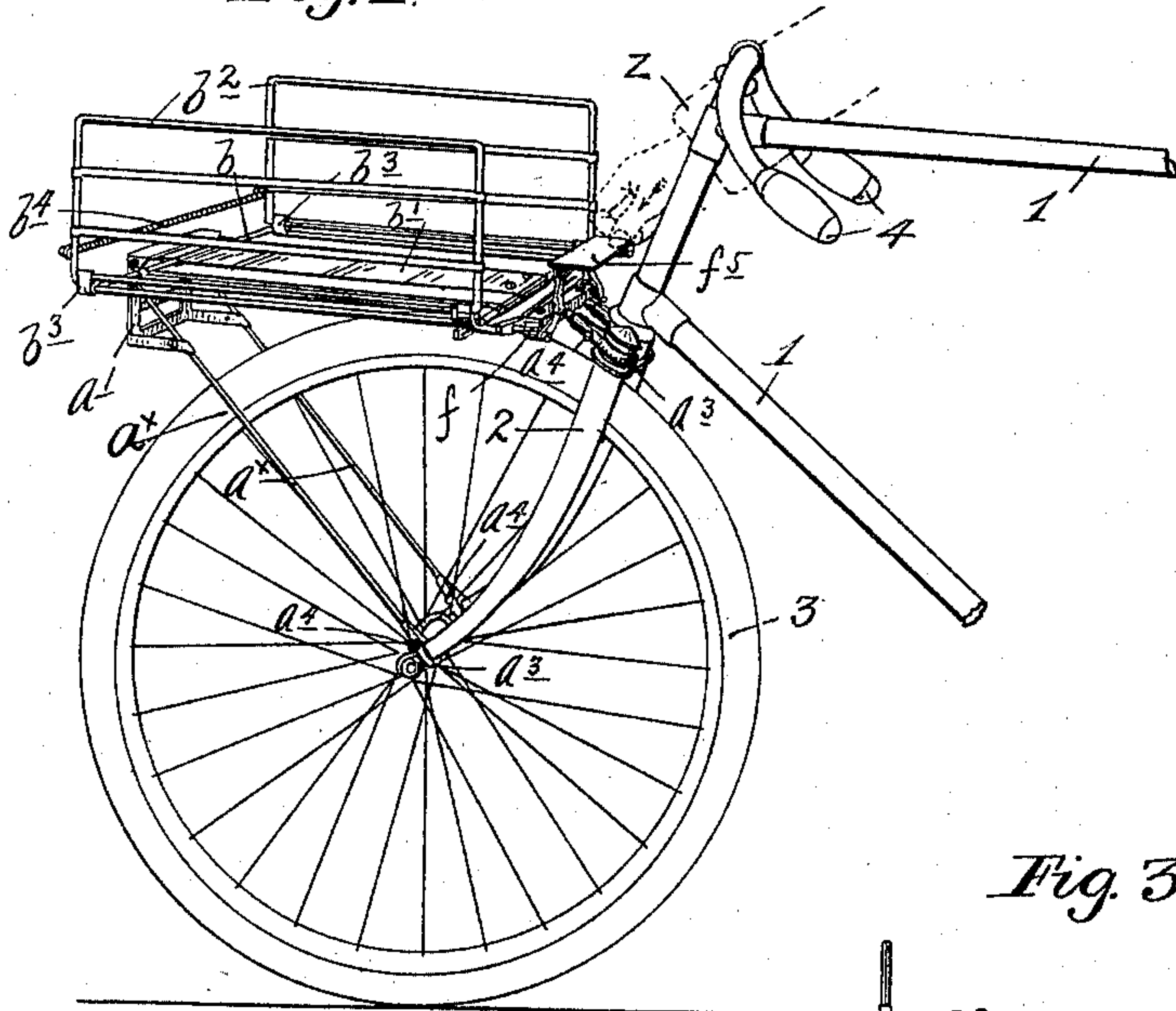


Fig. 2.

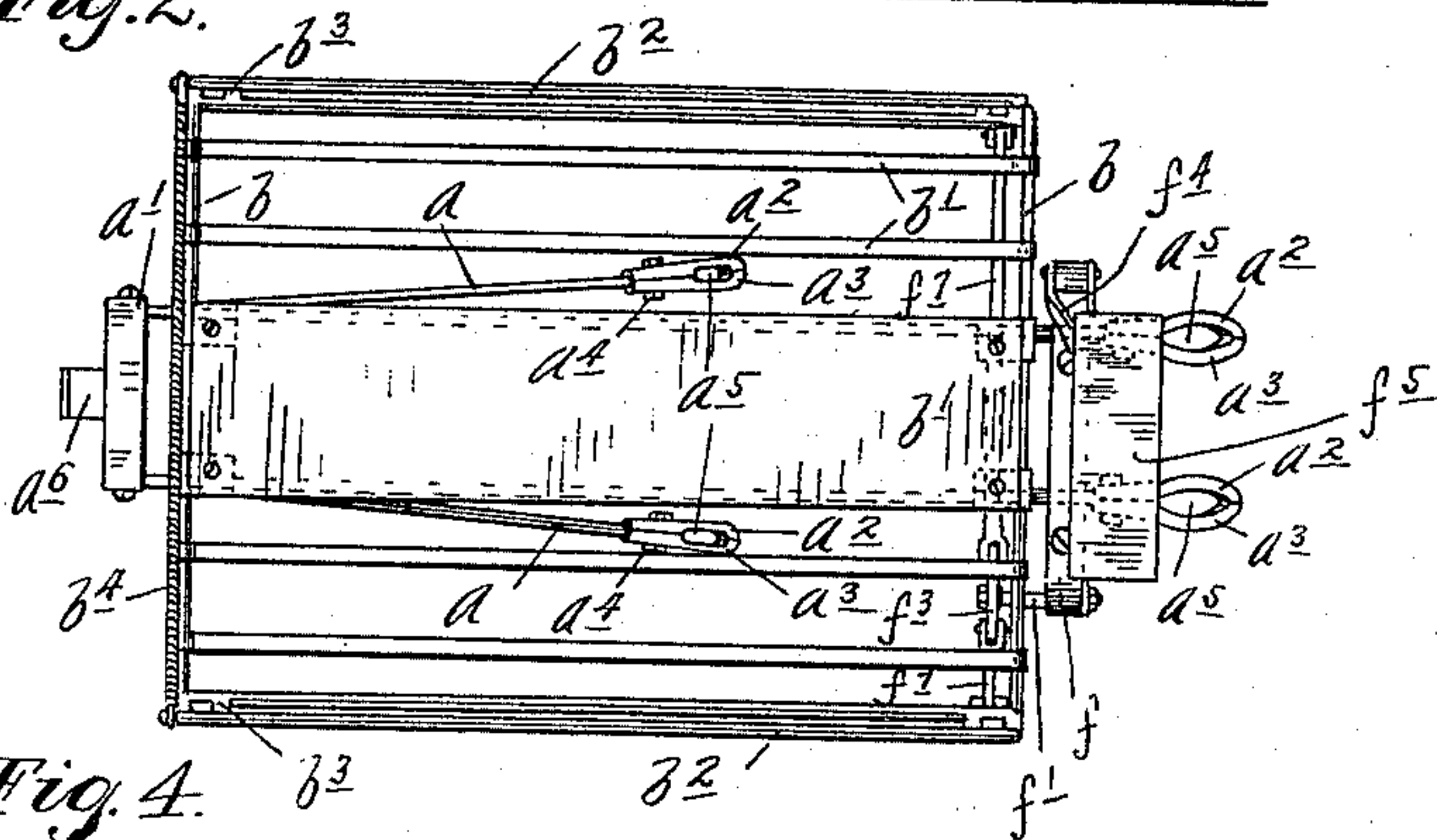


Fig. 4.

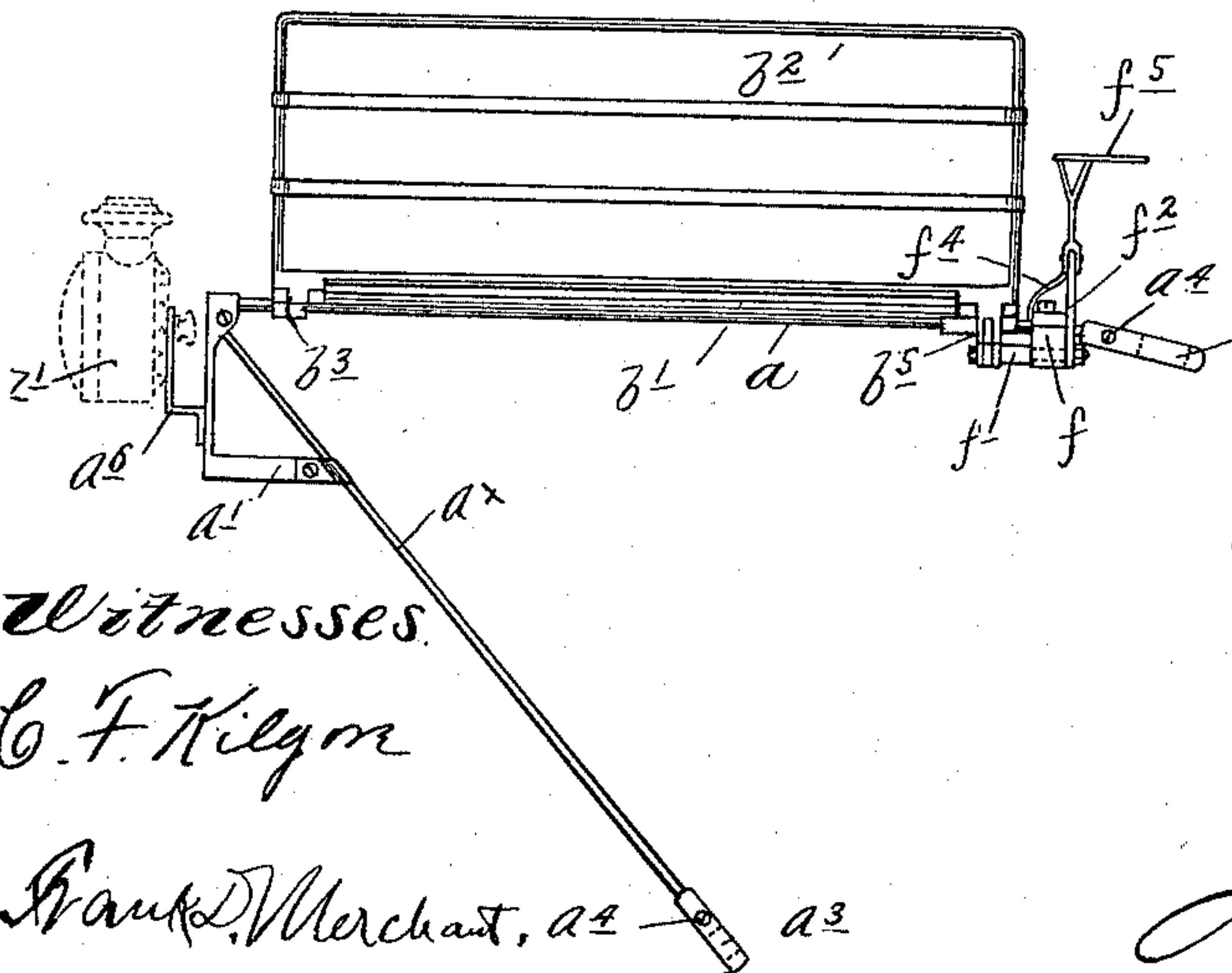


Fig. 3.

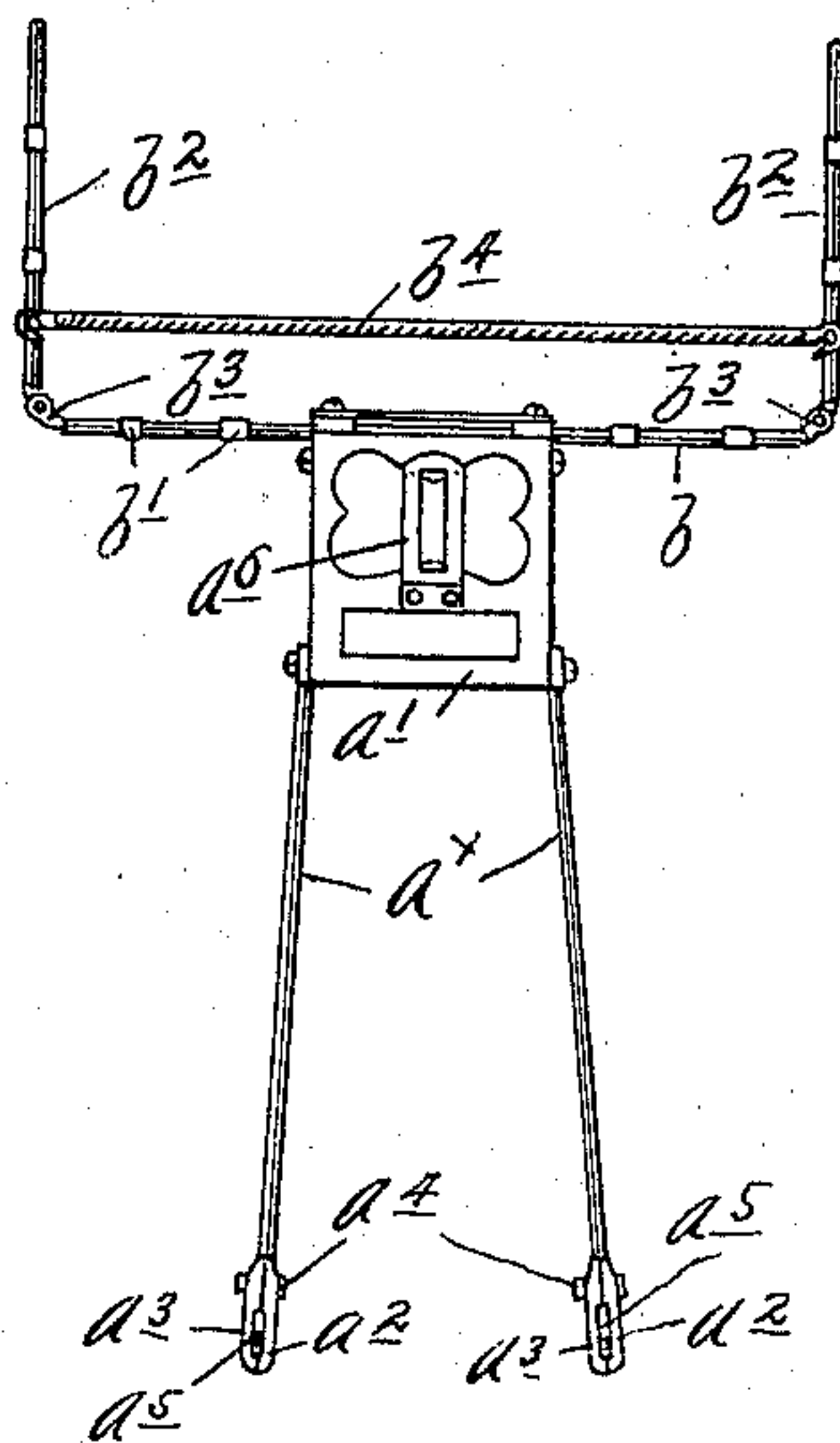
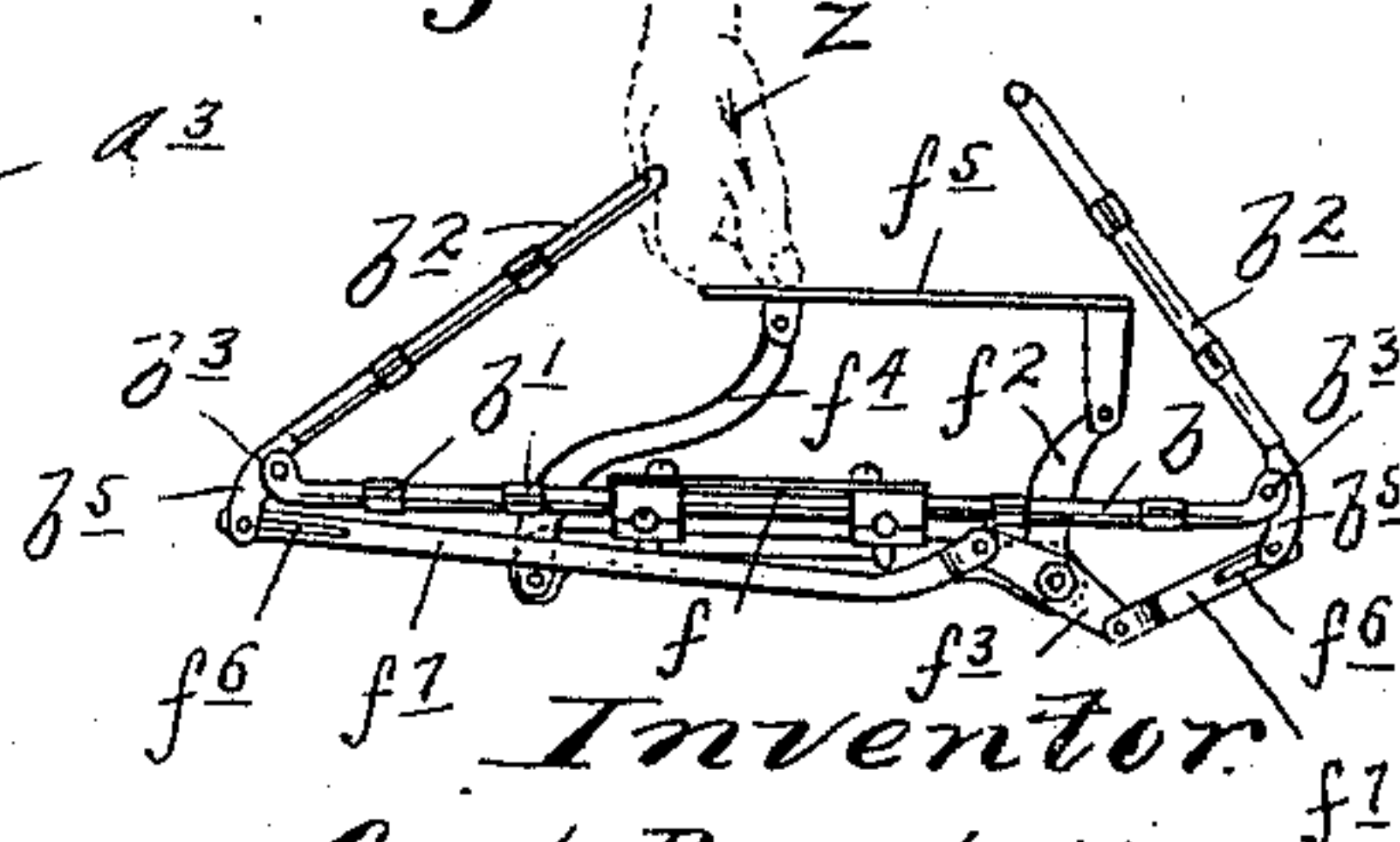


Fig. 5.



Witnesses.

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CARL RONDELL, OF MINNEAPOLIS, MINNESOTA.

BUNDLE-CARRIER FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 605,188, dated June 7, 1898.

Application filed March 18, 1897. Serial No. 628,102. (No model.)

To all whom it may concern:

Be it known that I, CARL RONDELL, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Bundle-Carriers for Bicycles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide an improved bundle-carrier or bundle-carrying attachment for bicycles; and to this end it consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

The preferred form of my improved bundle-carrier (shown as applied in working position on a bicycle) is illustrated in the accompanying drawings, wherein like symbols refer to like parts throughout the several views.

Figure 1 is a perspective view showing the preferred form of my improved bundle-carrier applied in working position to the pivoted front fork of a bicycle. Fig. 2 is a plan view of the bundle-carrier removed from the machine. Fig. 3 is a view in front elevation of the said bundle-carrier. Fig. 4 is a side elevation of the bundle-carrier, and Fig. 5 is a rear elevation of the said bundle-carrier.

In Figs. 1, 2, 3, and 4 the hinged leaves or wings of the bundle-carrier are shown as opened up, while in Fig. 5 said leaves or wings are shown as partially opened up.

1 indicates the frame, 2 the pivoted front fork, 3 the front wheel, and 4 the handle-bars, of an ordinary bicycle.

The bundle-carrier is supported from the front fork of the bicycle by means of a support, preferably formed by a pair of pronged or divergent-armed braces aa^x . These braces a extend substantially parallel to each other, are spaced apart, so as to straddle the front wheel 3, and are tied together at their apexes by means of an L-shaped bracket-iron a' . The ends of said bracket a a^x are provided with half-clamps a^2 , with which removable half-clamps a^3 cooperate to clamp said ends to the prongs of the front fork 2. The half-clamp sections a^2 and a^3 are clamped together and onto the prongs of the front fork by means

of small nutted bolts a^4 , passed through the same. The lower prongs a^x of the braces are by these clamps secured to the lower portions of the front-fork prongs a close to the axle of the wheel 3, and the ends of the upper prongs of said braces are likewise secured to the upper portions of said front-fork prongs. It will be noted by reference particularly to Fig. 2 that when the sections of the clamps a^2 a^3 are secured together they form eyes or passages a^5 , through which the prongs of the front fork may pass. When this support aa^x is secured in working position to the pivoted front fork of the bicycle, as illustrated in Fig. 1, the upper prongs of the same extend forward over the front wheel substantially in a horizontal plane, and their apexes and the bracket a' , secured thereat, are positioned substantially in vertical line with the forward portion of said wheel.

a^6 indicates a finger or bracket secured to the front face of the bracket a' and to which a lamp or bull's-eye lantern may be secured.

The bundle-carrier proper is in my preferred construction made up of a bottom or bed section and a pair of clamping leaves or wings hinged or pivoted thereto, all of which parts are of skeleton-like form for the sake of lightness. As shown, the bottom or bed section of the carrier is made up of cross-rods b , rigidly secured to the upper horizontal prongs of the support a , and longitudinal slats b' , secured to said cross-rods b . As shown, the central member of the slats b' is very broad, as compared with the other members. The skeleton-like wings b^2 are hinged or pivoted for folding movements transversely of the bed or bottom section b b' by means of hinge or pivot lugs b^3 , secured on the outer edges of said bottom-section. The leaves b^2 are thus adapted to be folded downward onto the upper face of the bottom or bed section b b' and are normally held under strain to assume this folded position by means of a coiled tension-spring b^4 , secured at its ends to the forward portions of said leaves.

The hinged or pivoted wings b^2 are adapted to be opened by hand—that is, by applying one hand directly to each of the same; but preferably I provide a device by means of which both leaves may be opened simultaneously by the use of one hand. In its pre-

ferred form this device comprises the following: A cross-bar f is rigidly secured to the upper prongs of the support a just to the rear of the bundle-carrier, and this bar f is provided
 5 at one of its ends with a forwardly-projecting stud-shaft f' , to the rear end of which is rigidly secured an arm f^2 and to the forward end of which is rigidly secured a double-ended lever f^3 .
 10 f^4 indicates a loose link, the lower end of which is pivoted to the cross-bar f .
 f^5 indicates a finger plate or piece provided with depending lugs which are pivoted one to the upper end of each of the levers or links
 15 $f^2 f^4$. The hinged wings or leaves b^2 are provided near their rear ends with depending lugs or short lever portions b^5 , the free ends of which are pivotally connected, by means of slot-and-pin engagements f^6 , to the outer
 20 ends of links f^7 , the inner ends of which links are pivoted one to each end of the lever f^3 . With this construction, as is obvious, when the finger-plate f^5 is pressed downward the leaves or wings b^2 will be forced into their
 25 open positions against the action of the spring b^4 . When the leaves are thus opened up, the bundle or package which is to be carried may be readily placed in position on the bundle-carrier, and when the leaves are released
 30 they will be closed by the spring b^4 and clamped onto the bundle or package, thus serving to hold the same in position. As the wings may be opened by the application of one hand to the finger-plate f^5 , the other hand
 35 may be used to place the bundle or package in position on the bundle-carrier or to remove the same therefrom. Attention is called to the fact that the slot-and-pin connections f^6 , between the links f^7 and the arms b^5 of the
 40 leaves b^2 , will permit one of said leaves to be opened when the hand is applied thereto without opening the other leaf. This feature of construction will often be found convenient in the use of the bundle-carrier, especially when a number of small articles are to
 45 be carried.

In Figs. 1 and 5, z indicates one of the operator's hands, shown as applied to the finger-plate f^5 . In this illustration the right
 50 hand is shown as thus applied; but either hand may be used for this purpose, depending on the position in which the operator stands when manipulating the leaves of the bundle-carrier. It may be here stated that
 55 the longitudinal strips b' of the bed or bottom section of the bundle-carrier, and also the intermediate longitudinal strips of the leaves or wings b^2 , are made of very thin, pliable, and somewhat slack strips of metal, so as to
 60 adapt the parts of the bundle-carrier to the

form or forms of the particular bundle or bundles which are to be carried by the bundle-carrier.

z' indicates a bicycle-lamp, (indicated by dotted lines on Fig. 4,) the same being shown
 65 as applied in working position on the lamp-supporting bracket a^6 .

The above manner of applying the bundle-carrier to the bicycle places the same entirely out of the way of the rider's legs and furnishes an extremely light and rigid support for the same. The pronged brackets $a a^x$ also give a good support for a bicycle-lamp and throw the same into the best position possible for directing the light into the rider's path.
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It will be understood, of course, that various alterations in the specific details above set forth may be made within the scope of my invention.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. A bundle-carrying attachment for cycles, comprising a fixed bed or bottom section, a pair of spring-closed leaves or wings, hinged to the opposite sides of said bed-section and
 85 folding toward each other, and means for securing said bed-section to the cycle, substantially as described.

2. A bundle-carrying attachment for cycles, comprising a fixed bed-section, a pair of leaves
 90 or wings hinged to the opposite sides of said bed-section and folding toward each other, means for simultaneously opening both of said wings, and means for securing the bundle-carrier to the cycle, substantially as described.
 95

3. A bundle-carrying attachment for cycles, comprising a bed or bottom section, a pair of clamping-leaves hinged to said bottom-section and under spring tension to close, a hand-piece with link-and-lever connections to said
 100 leaves, for simultaneously opening the same, said connections involving slot-and-pin joints, which permit the said leaves to be opened independently when force is applied thereto,
 105 substantially as described.

4. An attachment for cycles, comprising the pair of parallel pronged brackets, the prongs of which are securable to the prongs of the front fork of the cycle, the bed or bottom section secured to the upper prongs of
 110 said brackets, and the pair of spring-closed leaves or wings hinged to said bed-section, substantially as described.

In testimony whereof I affix my signature
 115 in presence of two witnesses.

CARL RONDELL.

Witnesses:

L. C. ELMORE,
 F. D. MERCHANT.