

(No Model.)

H. C. SCOTT & F. SCHAAF.
KNOCKDOWN FOLDING CHAIR.

No. 488,095.

Patented Dec. 13, 1892.

Fig. I.

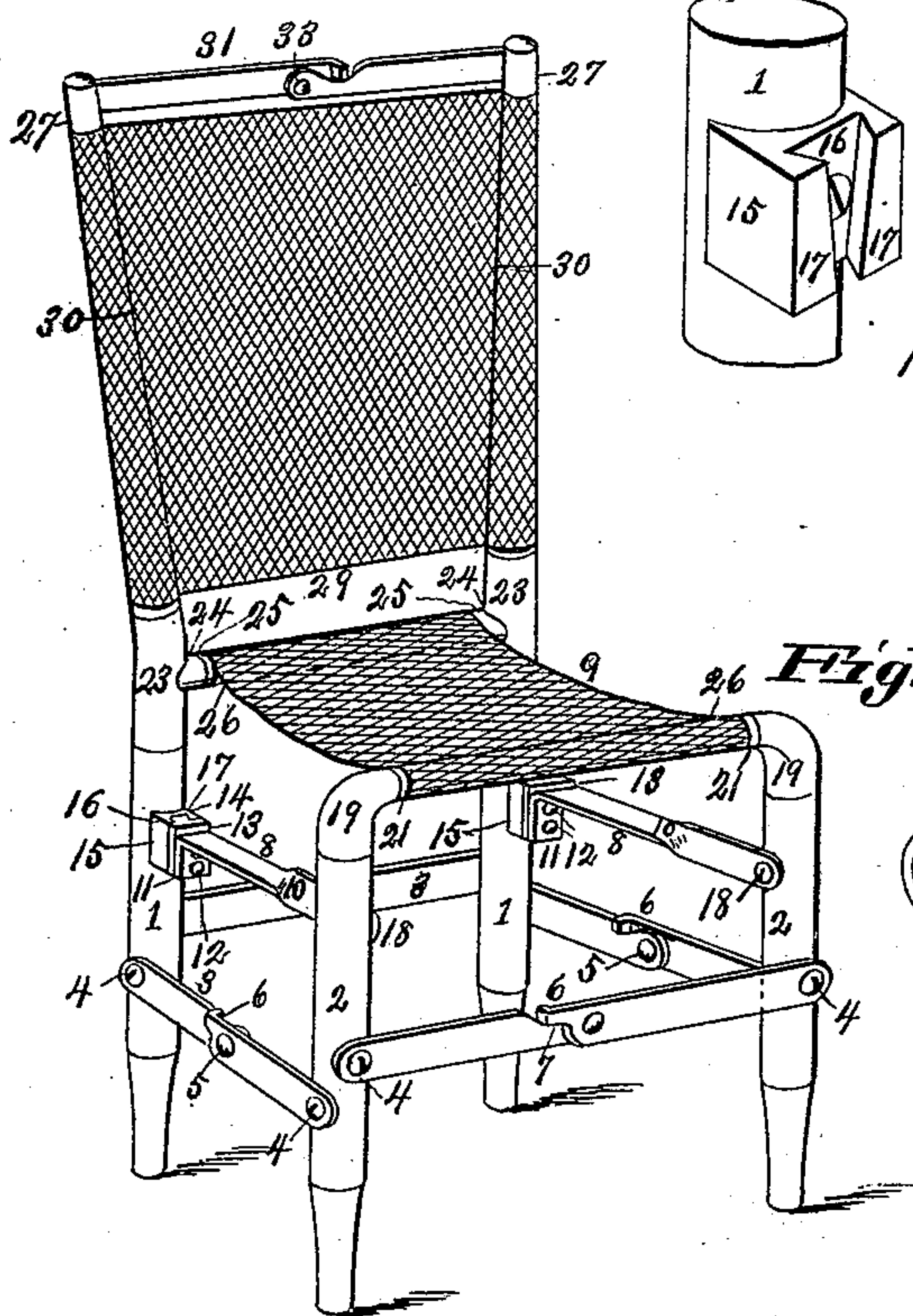


Fig. IV.

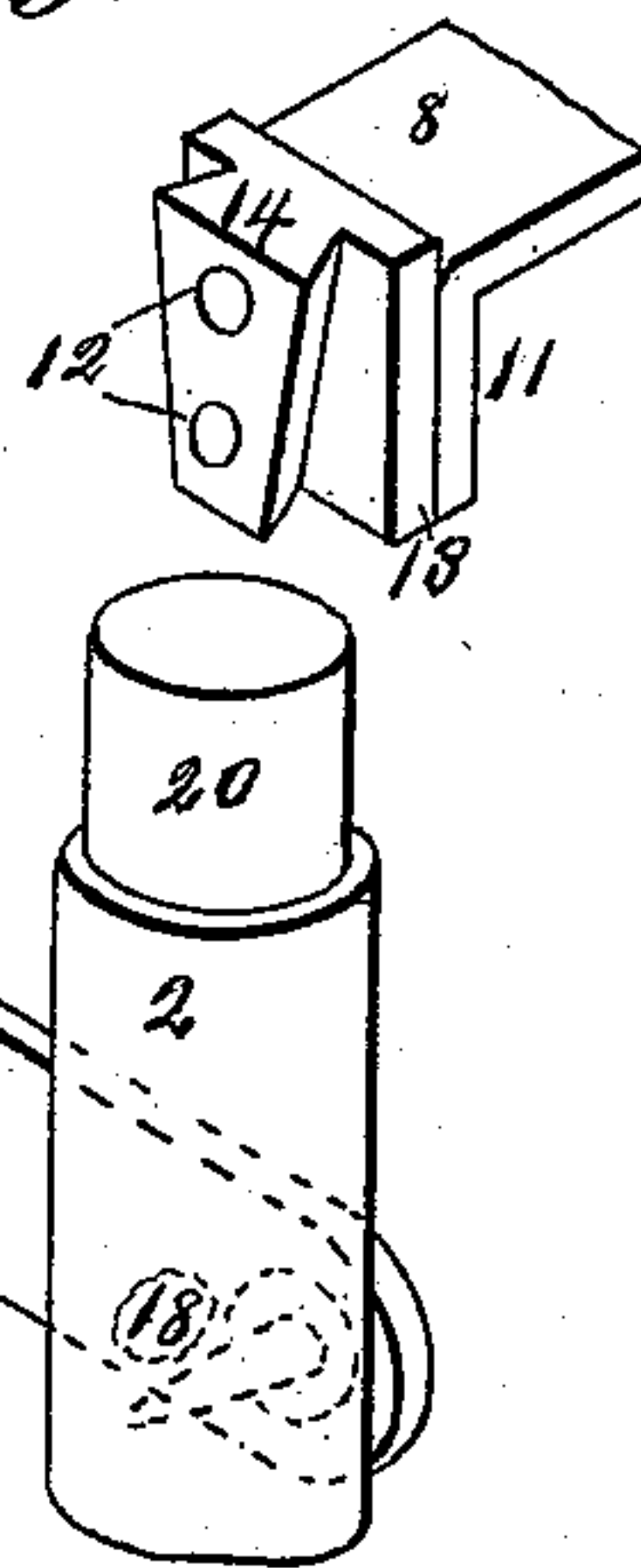


Fig. III.

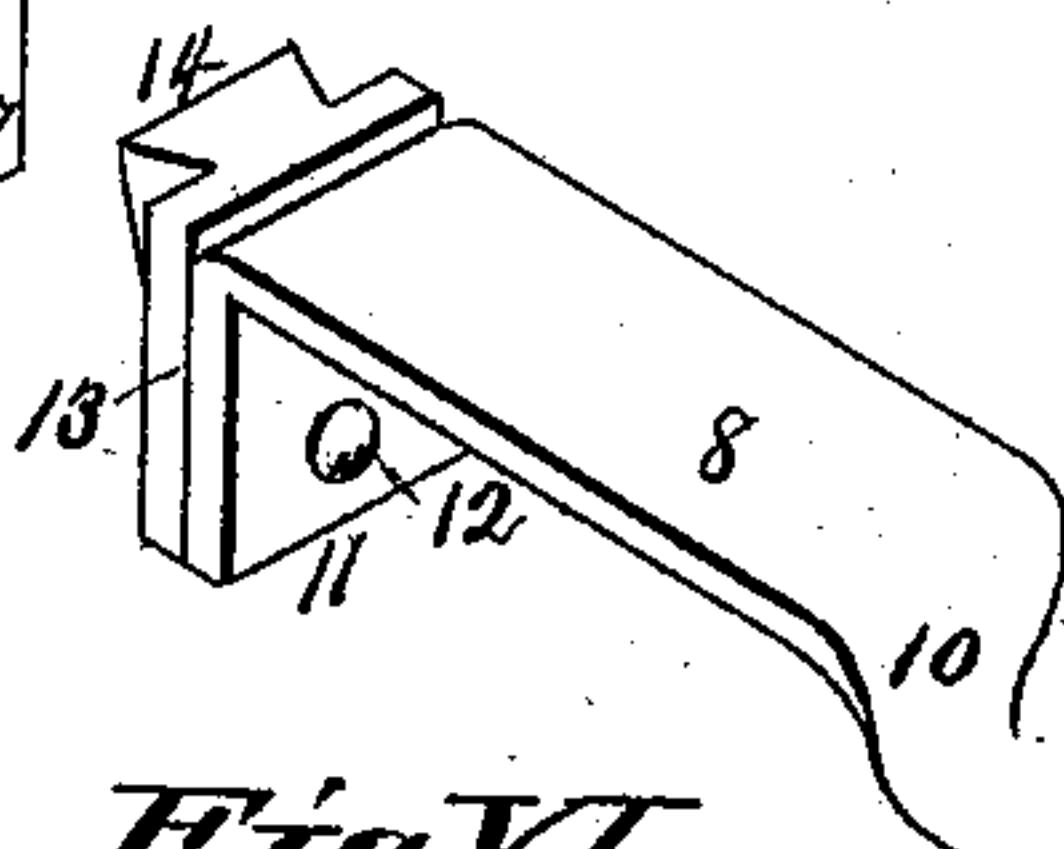


Fig. VI.

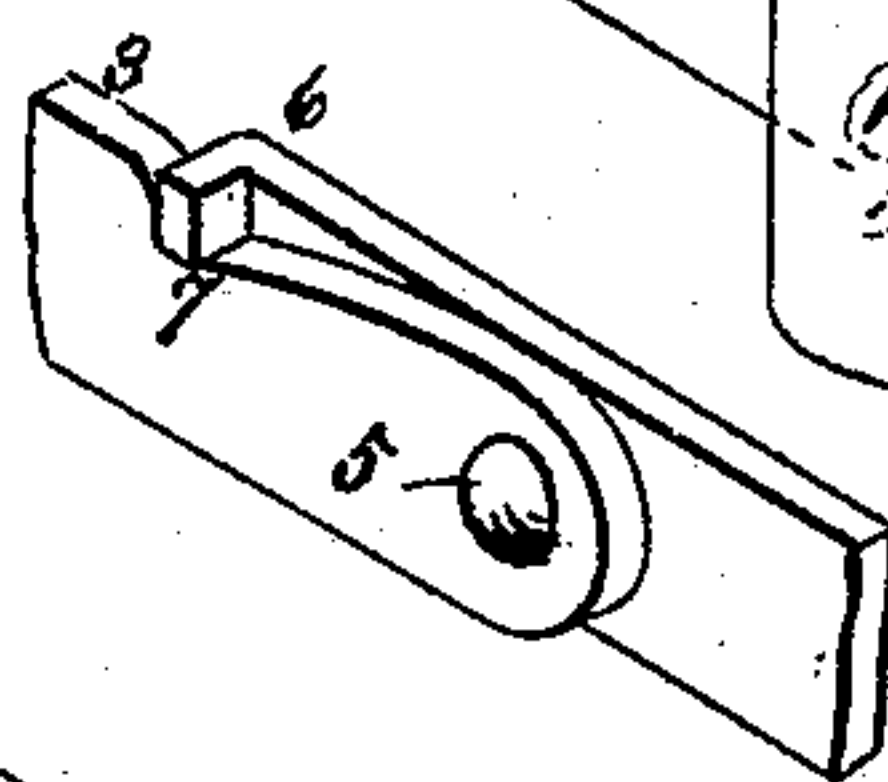


Fig. V.

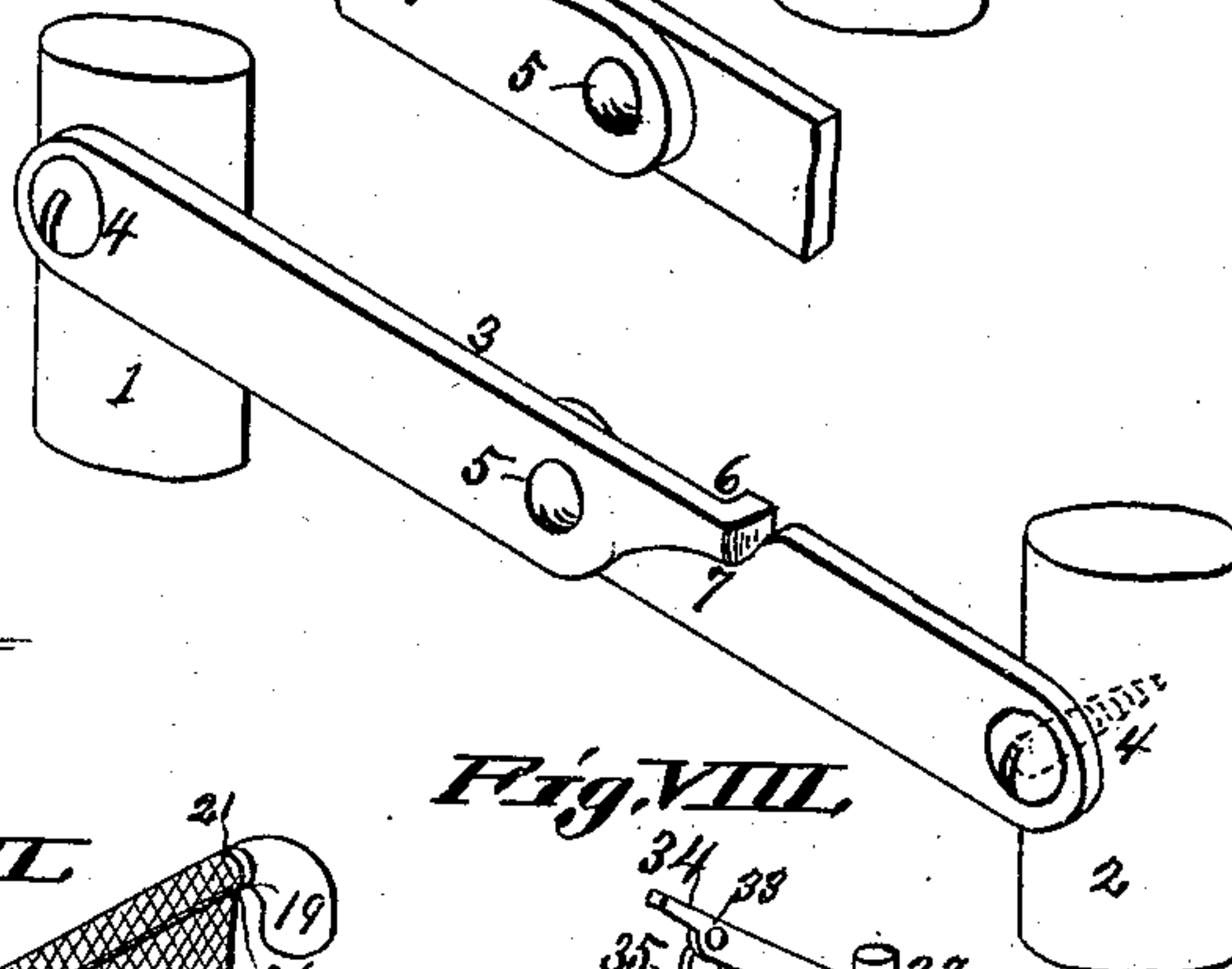


Fig. II.

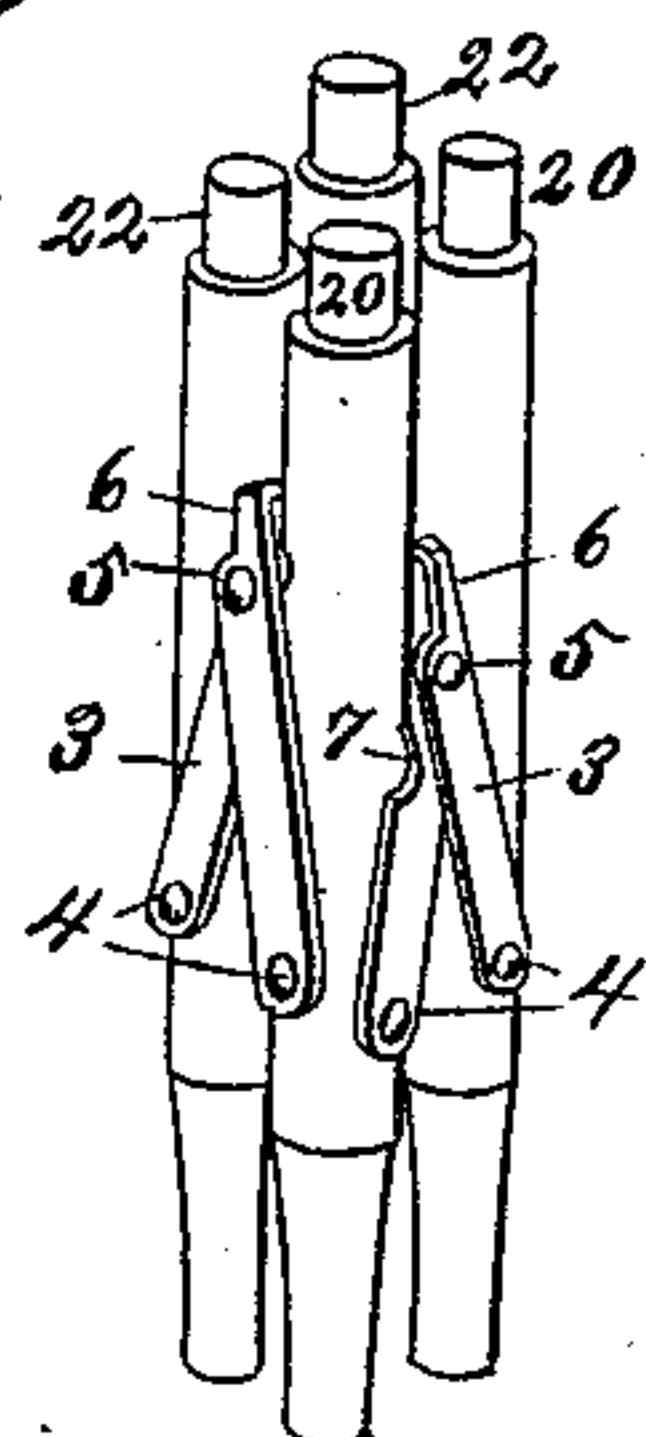


Fig. VII.

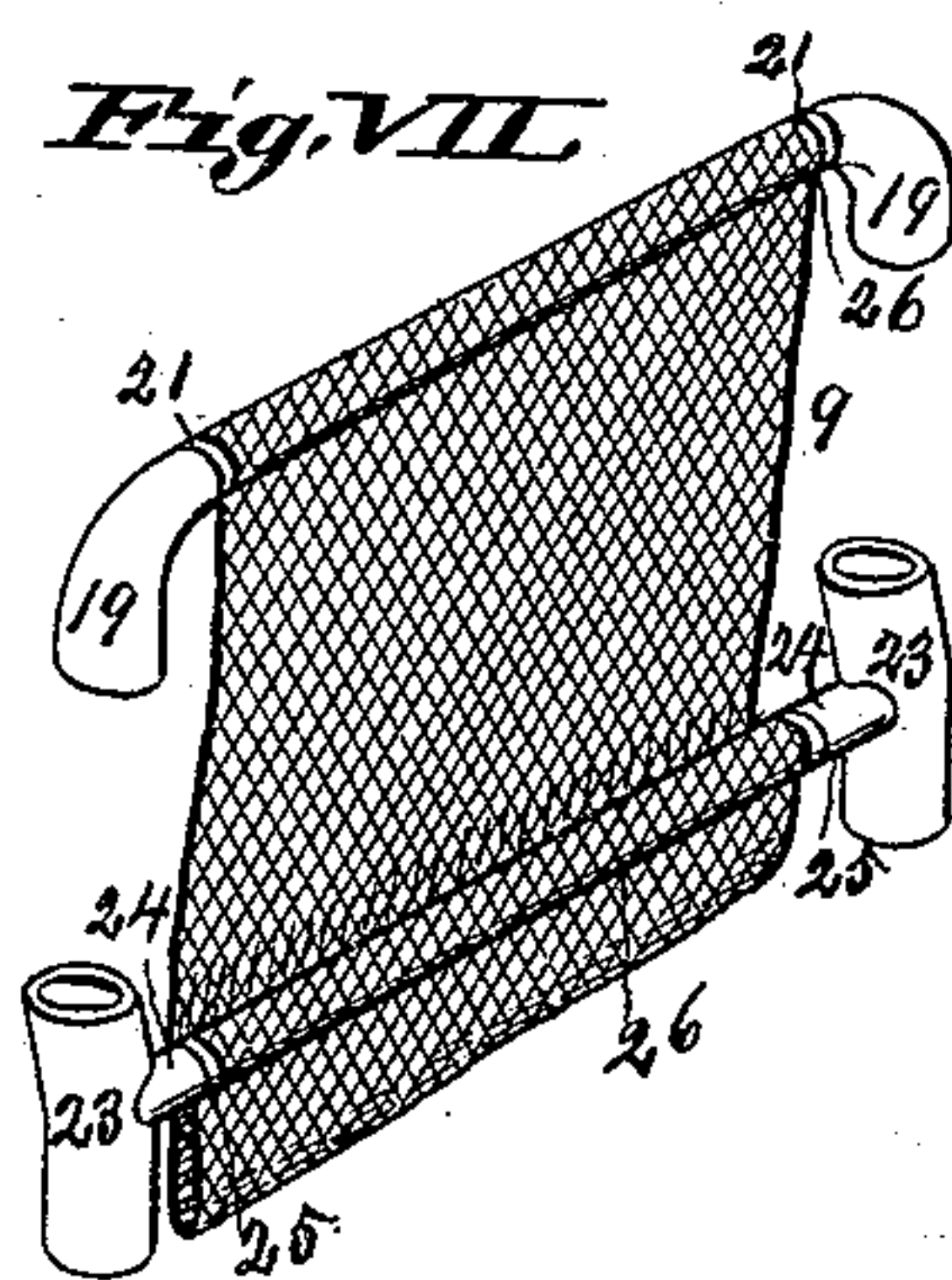
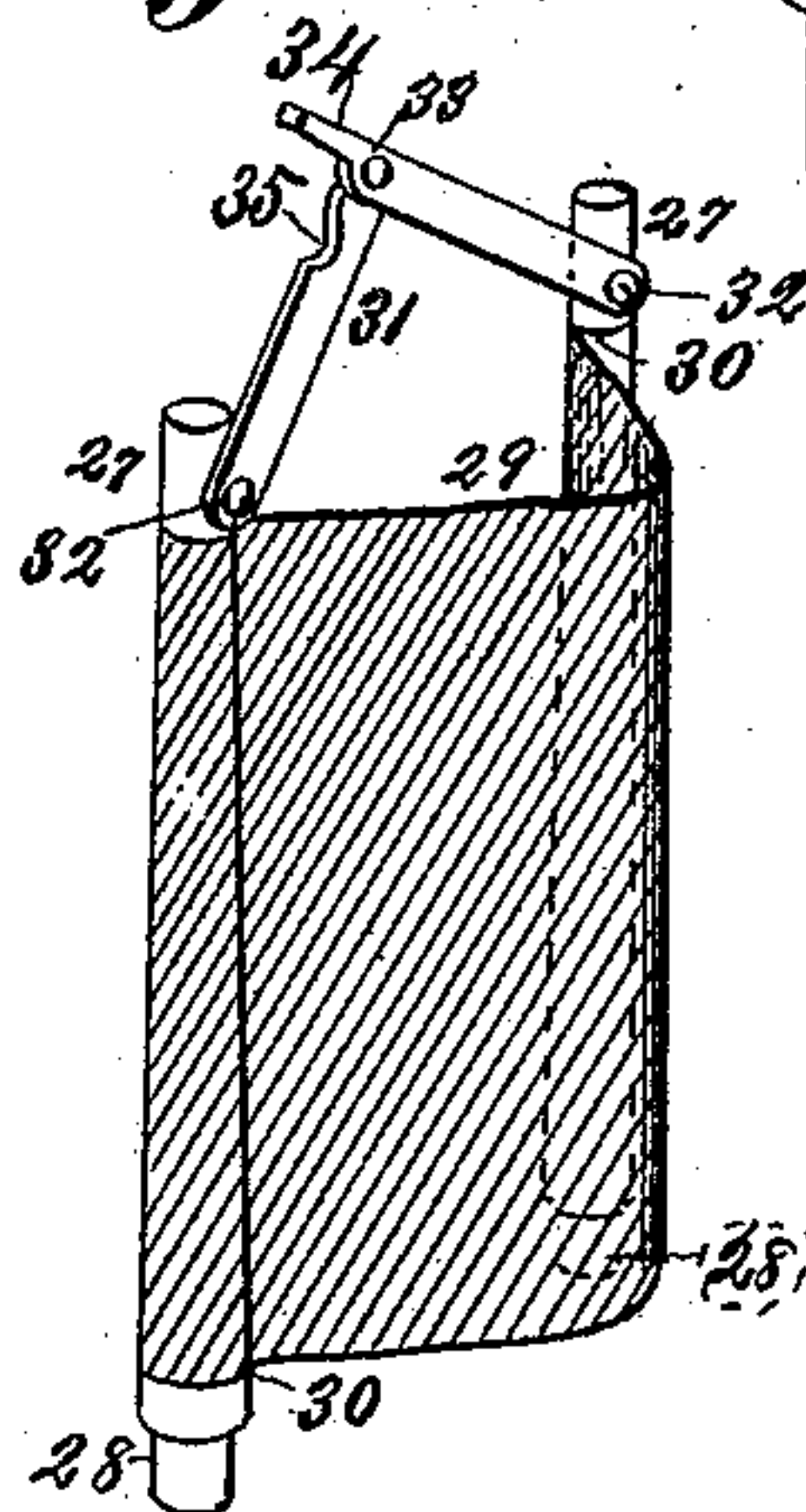


Fig. VIII.



Attest:
Geo. E. Currier.
Wm. E. Knight.

Inventors:
Henry C. Scott
Fred SchAAF
By Knight Bros.

Att'y.

UNITED STATES PATENT OFFICE.

HENRY C. SCOTT AND FREDERICK SCHAAF, OF ST. LOUIS, MISSOURI.

KNOCKDOWN FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 488,095, dated December 13, 1892.

Application filed January 8, 1892. Serial No. 417,395. (No model.)

To all whom it may concern:

Be it known that we, HENRY C. SCOTT and FREDERICK SCHAAF, both of the city of St. Louis, in the State of Missouri, have invented
5 a certain new and useful Improvement in Knockdown Folding Chairs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.
10 Our invention relates to a knockdown folding chair whose knockdown legs, back, posts, and connecting seat-rounds are coupled together by T and elbow metal sockets and the
15 duplex pivotal folding bars whose sections adjacent to their pivotal connection are provided with a buffer-stay-joint lock or interlock and the respective front and rear legs of which have a twisted-strap-hook coupling that
20 braces their connection near the top; and the invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of the chair
25 unfolded and set up for use. Fig. II is a perspective view of the legs of said chair and shows them knocked down from their surmounting parts and folded together. Fig. III is a detail disconnected view of a front and
30 rear chair-leg and shows their folding upper connecting-bar and dovetail wedge attachment ready for interlocking. Fig. IV is a rear detail of said bar and shows its locking-wedge secured thereto. Fig. V is a detail center
35 view of either two of the adjacent legs and shows one of the duplex pivotal folding bars that couple the center of said legs together, the sections of said folding-bar buffer-stay locked in its unfolded position. Fig. VI is a
40 detail of said folding bar and shows its cooperative buffer-stay locked. Fig. VII is a perspective view of the front and rear rounds that support the seat with the textile fabric that forms said seat secured to said rounds
45 and the elbow and T sockets that secure the rounds to the knockdown legs and back parts, and Fig. VIII is a perspective view of the back posts with their partly-unfolded pivotal buffer-stay locking-head bar. It also shows
50 the elastic textile back secured to its knockdown posts.

Referring to the drawings, 1 represents the

back legs, and 2 the front legs, of the chair, which back and front legs each and severally have a folding connection from side to side 55 and from back to front by means of the pivoted folding buffer-stay or interlocking bars 3, which are respectively secured by the pivotal screws 4 to said legs, and the sections of said folding bars where they meet are secured 60 together by pivot-bolts or rivets 5. The hooked extension end 6 on one of said sections when unfolded engages in the recessed seat 7 of its connected section.

8 represents the reinforce locking-bars that 65 reinforce the attachment of the front and back legs, respectively, together in near proximity to the seat 9. The said bars have an intermediate quarter turn or twist 10 and on the rear end a vertical perforate angle-flange 70 11, to which is secured by rivets or bolts 12 the block 13, from which projects the wedge-shaped dovetailed locking extension 14.

15 represents dovetail recessed blocks that are countersunk in the back legs and which 75 have a dovetailed groove 16 and locking lugs or flanges 17, which when in engagement with their corresponding dovetailed extensions 14, effect a reinforce attachment together of said 80 front and rear legs, the other end of said folding reinforce-bars 8 being secured to the sides of the front legs of said chair by pivot-screws 18.

19 represents socket-joint elbows, the lower ends of which respectively receive the dowel 85 ends 20 of the front legs, and into the upper ends are inserted the respective ends of the front cross-round 21, that sustains the front of the seat 9. On the doweled ends 22 of the back legs fit the lower ends of the T-socket 90 joints 23, in the T-stem sockets 24 of which are seated the respective ends of the back cross-round 25, which sustains the rear of the seat 9 of the chair. The seat is preferably made of carpet, as that is readily folded and 95 compressed into a small compass; but other fabric or any suitable pliable material may be used in the construction of said seat. The ends 26 of the carpet or other suitable material are looped around the front and back 100 cross-rounds that sustain said seat and then stitched or otherwise attached. The side posts 27 of the knockdown back have dowel ends 28, which fit into the upper ends of the T-

socket joints 23. The back 29 of the chair is composed of similar material to that used in the seat and separate therefrom, and said back filling may be attached to the back posts as the seat is to the cross-rounds by looping around the same at 30 and stitching or otherwise securing. The upper ends of the back posts are coupled by the sectional folding interlocking head-bar 31, which is secured by the pivotal screws 32 to the said back posts, and the said sections of said folding bars where they meet are secured together by the rivets 33. The hooked extension end 34 on one of said sections when unfolded engages in the recessed seat 35 of its connected section, this, as with the like interlocking bars that couple the legs, constituting a stiff buffer-stay lock that holds the respective back posts and the back filling that connects them from sagging together.

In operation it will be seen by the above specification, illustrated by the eight figures of the drawings, that the chair when set up makes a firm interlocked device that stretches out both the seat and the back filling. To effect the locking of said frame, besides the coupling of the front and rear sections by the pivotal dovetail wedge attachment-bar 8, the four sectional interlocking duplex folding bars 3, that couple the legs and the like interlocking bar that spreads and couples the back posts, are respectively provided with extension hooks 6 on one of each of their sections, that when said pivoted sections are stretched out in unfolding descends into a recess 7 in its connected section and is buffer-stayed thereby, making a buffer-stay lock. It will also be seen that when knocked down from its socket-joints and the coupling-bars 8 from their dovetail wedge locking seats the said bars fold down on their pivots on the inside space between the legs, and the legs and unlocked duplex bars 3 fold together in a compact package,

as shown in Fig. II; also, the rounds and carpet filling of the seat, with the socket-joints still mounted thereon, can be rolled together, the initial preparation for said fold being shown in Fig. VII; also, the knocked-down back posts shown in Fig. VIII, with their duplex pivoted head-bar, can be folded close together and their carpet backing then wrapped around said posts.

We claim as our invention—

1. The combination of the front legs having dowel extensions, the elbows removably secured to the front legs, the front cross-round secured to the elbows, the back legs having dowel extensions, the T-sockets removably secured to the back legs, the back cross-round secured to the sockets, the back posts removably secured to the sockets, webbing secured to the cross-rounds, webbing secured to the posts, and the folding bars by which the legs and the posts are hinged so as to fold, substantially as described.

2. The combination of the front legs having dowel extensions, the elbows removably secured to the front legs, the front cross-round secured to the elbows, the back legs having dowel extensions, the T-sockets removably secured to the back legs, the back cross-round secured to the sockets, the back posts removably secured to the sockets, webbing secured to the cross-rounds, webbing secured to the posts, and the locking-bars by which the front and back legs are connected, consisting of the body having a twist and an angle-flange, the block having a dovetail extension, and the block having a dovetail recess, the locking-bars being pivoted, substantially as described.

HENRY C. SCOTT.
FRED. SCHAAF.

In presence of—

A. M. EBERSOLE,
E. S. KNIGHT.