No. 686,279. Patented Nov. 12, 1901.

T. J. FLOREY.

CHAIR.

(Application filed Apr. 22, 1901.)

(No Model.)

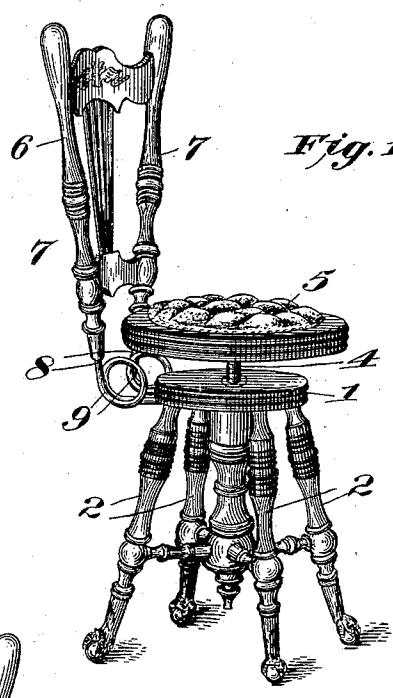
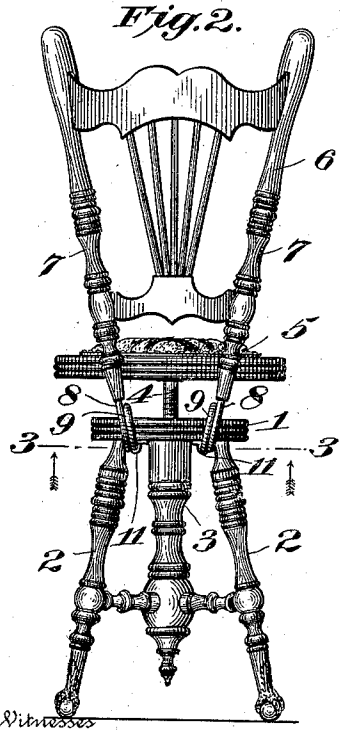


Fig. 1.

Fig. 2.



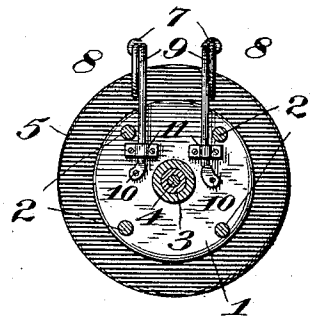


Fig. 3.

Witnesses

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SPECIFICATION forming part of Letters Patent No. 686,279, dated November 12, 1901.

Application filed April 22, 1901. Serial No. 56,974. (No model.)

To all whom it may concern:

Be it known that I, TILGHMAN J. FLOREY, a citizen of the United States, residing at Washington, in the county of Warren and State of New Jersey, have invented certain new and useful Improvements in Chairs; and I do 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.

This invention relates to improvements in chairs or stools for the use of piano and organ players, type-writers, &c.; and it has for its object to provide a chair or stool having a back yieldingly mounted so as to tilt to allow the occupant of the same to assume a comfortable position, while forming an effective back-support, the back being also adapted to allow free movement of the body and to be applied to the chair or stool without interfering with the adjustment of the seat.

A further object of the invention is to provide spring connecting means of novel construction and to increase the simplicity, efficiency, and economy of such connecting means.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists of certain novel features of construction, combination, and arrangement of parts as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of a chair or stool embodying my invention. Fig. 2 is a rear elevation of the same; and Fig. 3 is a section on line 3 3 of Fig. 1, showing the base, back, and seat in bottom plan view.

Referring now more particularly to the drawings, the numeral 1 represents the stationary base of the chair or stool, which is mounted upon legs 2 and is formed with an opening in line with a threaded socket 3 depending therefrom, which socket is adapted to receive the screw-threaded stem or shaft 4, carrying the adjustable seat 5. These parts may be of the ordinary or any approved form and construction.

6 represents the back of the chair or stool, which is independent of the seat and is connected with the base 1 in such manner as to tilt or yield to allow the occupant of the chair or stool to assume a comfortable position, while at the same time serving as a rest or support for the back of the occupant. The side arms 7 of this back are fixed or rigid and at their lower ends are mounted upon the yielding arms 8, said arms 8 being formed of stout spring-wire bent to form spring-coils 9 and having their free ends extended beneath the base 1 and suitably connected thereto. In the present instance I have shown the said free ends of the yielding arms curved or flared outwardly, so as to diverge, and secured by means of screws 10 to said base 1. The object of so flaring and diverging the free ends of the yielding arms is to increase their bearing-surface on the base 1, and thereby provide for a more firm and secure connection therewith. Metallic straps 11 are also provided to secure the yielding arms to the base 1 and are secured to said base and located between the said curved or divergent ends of said arms and the rear edge of the base 1. By this construction the free ends of the yielding arms are effectually supported and the curved or divergent extremities thereof relieved from excess strain.

It will be seen that by mounting the back 6 in the manner shown and described the spring-coils 9 will allow said back to tilt or yield rearwardly from the seat 5, so as to allow the occupant of the chair to assume a comfortable position, while said back will at the same time serve as an effective back rest or support. The spring-coils also allow the back to yield to a limited extent laterally or sidewise, so as to adapt the back to conform to the movement of the body, this being of great advantage where the chair or stool is employed as a seat by piano and organ players, as the side motion of the chair allows the performer to extend his or her arms more readily when playing upon the keys at the end of the keyboard than would be the case if the back were mounted rigidly against sidewise motion. As the back is also connected to the base 1 and is independent of the seat 5, it will be readily seen that said back may be used in any position of the seat and does not at all interfere with the adjustment thereof to any desired degree.

By my construction I am enabled to pro-

vide a yielding or tilting back which is simple, cheap, and durable, while at the same time ornamental and applicable to stools and chairs of the type shown without interfering with the adjustability of the seat in any manner.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A chair or stool comprising a base, a seat, a back independent of the seat and provided with rigid arms, yielding arms fixed in said rigid arms and carrying the back and formed with spring-coils to allow the back to yield or tilt, said yielding arms having their free ends bent at right angles and projected beneath the base and flared outwardly so as to diverge at their extremities, fastenings securing the curved extremities of the arms to the base, and straps also securing said arms to the base at points between the said curved extremities and the edge of the base, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

TILGHMAN J. FLOREY.

Witnesses:
JOHN MCNALLY,
A. J. CRAFT.