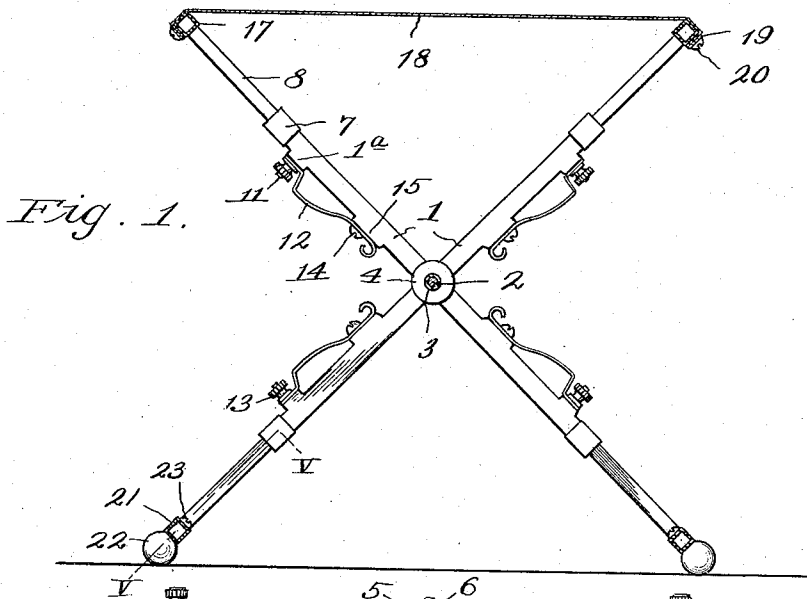
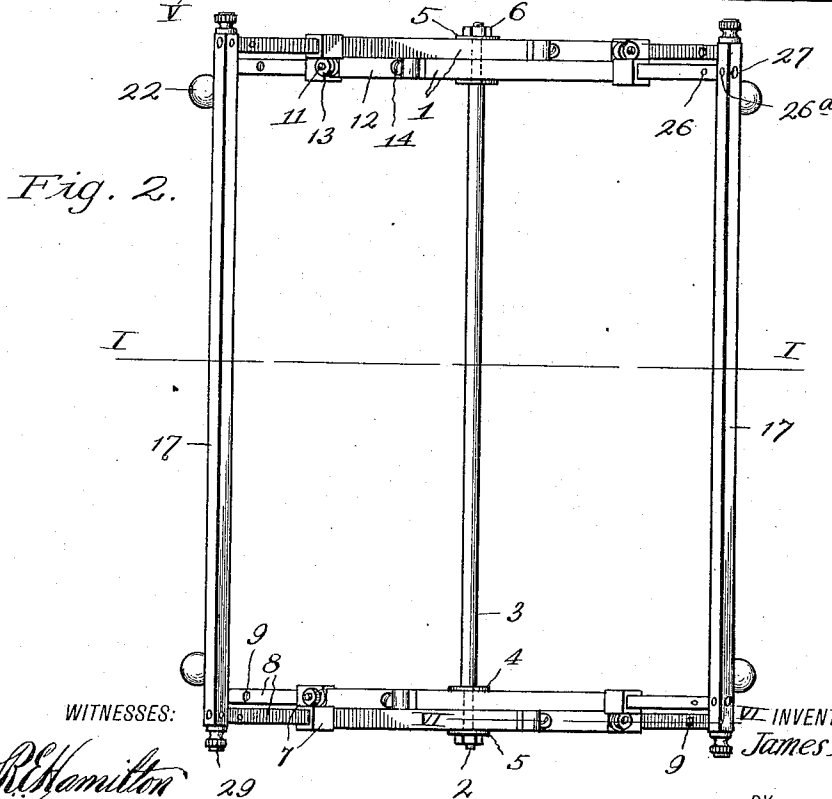


J. F. SPALDING.
FOLDING EXTENSIBLE STOOL.
APPLICATION FILED JUNE 15, 1914.

1,152,987.

Patented Sept. 7, 1915.
2 SHEETS—SHEET 1.



WITNESSES:

R. Hamilton
L. J. Fischer

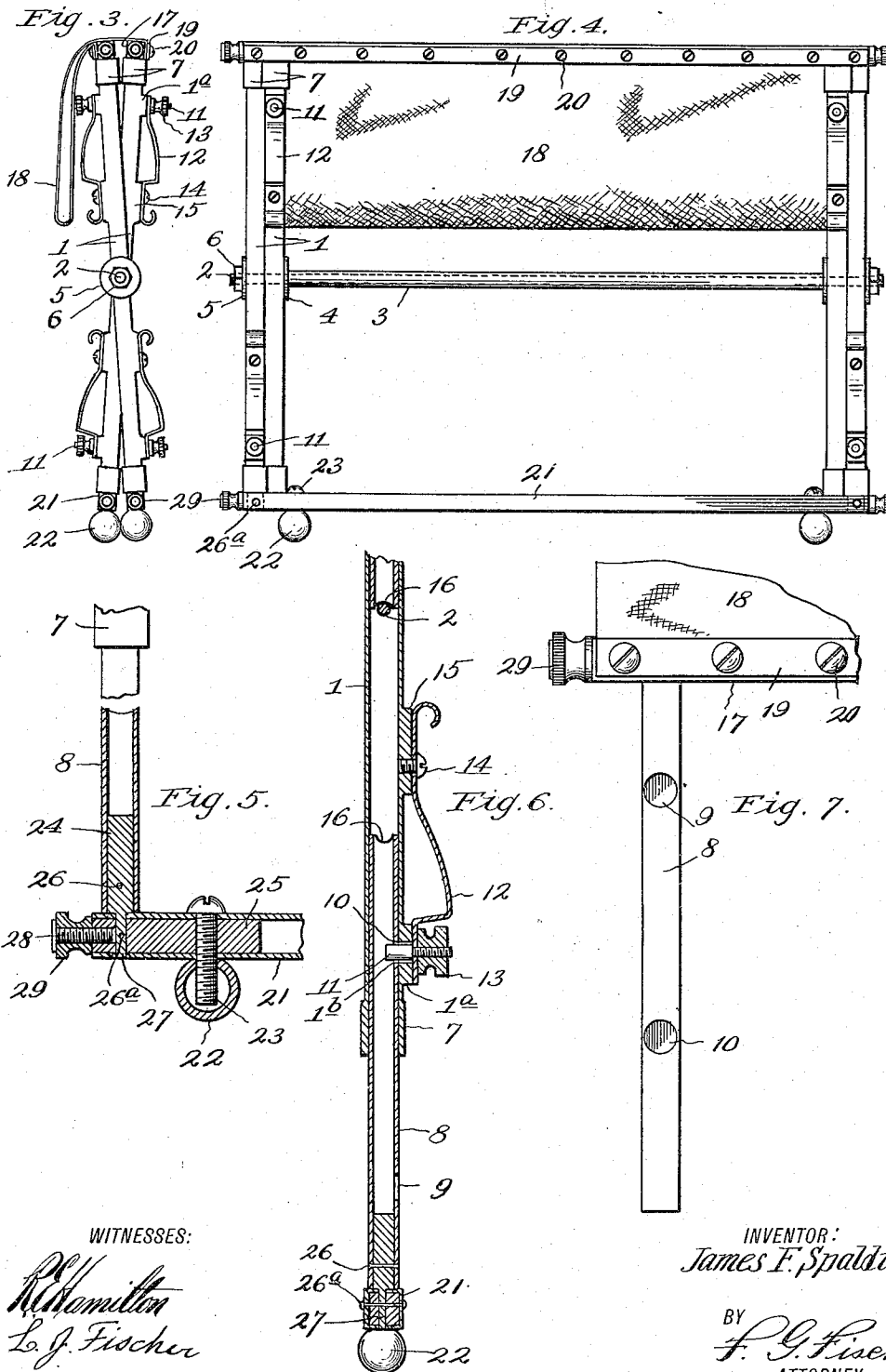
INVENTOR:
James F. Spalding.

BY
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UNITED STATES PATENT OFFICE.

JAMES F. SPALDING, OF KANSAS CITY, MISSOURI.

FOLDING EXTENSIBLE STOOL.

1,152,987.

Specification of Letters Patent.

Patented Sept. 7, 1915.

Application filed June 15, 1914. Serial No. 845,111.

To all whom it may concern:

Be it known that I, JAMES F. SPALDING, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Folding Extensible Stools, of which the following is a specification.

This invention relates to folding, extensible stools, and the objects of the invention are to produce an ornamental stool of this character which may be folded into compact form, and also extended to form a convenient seat.

A further object is to produce a stool of minimum weight and maximum strength.

In order that the invention may be fully understood, reference will now be made to the accompanying drawings, in which:

Figure 1 is a vertical cross section on line I—I of Fig. 2, of the stool extended and set up ready for use. Fig. 2 is a plan view of the stool with the seat thereof removed. Fig. 3 is an elevation of the stool in its most compact form. Fig. 4 is a side elevation of the stool in its most compact form. Fig. 5 is a section, enlarged, on line V—V of Fig. 1. Fig. 6 is a section, enlarged, on line VI—VI of Fig. 2. Fig. 7 is a broken detail of a portion of the seat and an extensible leg section, employed in carrying out the invention.

In carrying out the invention, I employ two pairs of legs 1, pivotally-mounted midway between their ends upon a rod 2, extending through a spacing-sleeve 3, abutting at its ends against a pair of washers 4, bearing against the two innermost legs and co-acting with another pair of washers 5 in holding the legs from lateral movement upon the rod 2. The washers 5 are held upon the ends of the rod 2 by nuts 6. The legs 1 are strengthened at their ends by reinforcing members 7, rigidly secured to said legs.

8 designates four pairs of extensible leg sections, each being telescopically arranged in its respective leg 1 and provided with two cavities 9 and 10, to receive a pin 11 secured to a spring 12 by a nut 13.

Spring 12 is secured to its respective leg 1 by a screw 14 entering a built-up portion 15 integral with or rigidly secured to the leg to give the same sufficient body to firmly hold the screw 14. The legs also have built-

up portions 1^a, surrounding the openings 1^b, through which the pins 11 project.

The inner ends of the extensible leg sections 8 are concave, as indicated at 16, to fit half way around the rod 2 (Fig. 6). This arrangement permits maximum length of the extensible leg sections, so that when extended, as disclosed by Fig. 1, a sufficient part of their length will remain in the legs 1 to form a substantial support for any weight placed upon the stool.

The upper extensible leg sections 8 at one end of the stool are united to the upper extensible leg sections 8 at the opposite end of said stool by means of two horizontal bars 17, to which the flexible seat 18 is secured through the intermediacy of strips 19 and screws 20.

The lower extensible leg sections 8 at one end of the stool are united to the lower extensible leg sections 8 at the opposite end of said stool by means of two horizontal bars 21, provided with spherical feet 22 secured to said longitudinal bars by screws 23.

As the extensible leg sections 8 and the bars 17 and 21 are tubular in form like the legs 1, I reinforce them where they are connected with blocks 24 and 25. Blocks 24 are firmly secured in the outer ends of the extensible leg sections 8 by pins 26, and have tenons 27, which extend through and hold the blocks 25 in the longitudinal bars 21. Pins 26^a are placed through the blocks 25, the tenons 27, and the bars 21 to secure the whole together. The longitudinal bars 17 and 21 are provided at their ends with screws 28 and nuts 29 for ornamentation.

In order to set the stool up for use, the pins 11 are withdrawn from the holes 9, after which the extensible leg sections 8 are drawn outward until the pins 11 spring into the holes 10 and thus firmly lock said extensible leg sections in extended position. The ends of the legs are then spread apart, as disclosed by Fig. 1, until checked by the flexible seat 18, when the stool is ready for use. The foregoing operation is reversed to fold and compress the stool into its most compact form.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

A folding extensible stool comprising spaced pairs of hollow legs, a rod pivotally connecting the legs of each pair, an exten-

sible tubular leg section slidable in each end of each leg and having its inner end concaved to form a seat to engage with the pivot rod, each leg section being provided
5 with spaced openings adapted to register with an opening provided in the respective end of the leg, a slidably mounted pin adapted to enter each set of registering openings to retain the leg section in extended or inner-
10 most position, reinforcing blocks secured in the outer ends of leg sections and provided with tenons, tubular bars uniting the outer ends of the leg sections of one pair to those

of the other pair, reinforcing blocks secured in the opposite ends of the bars and having
15 secured thereto the respective tenons of the first reinforcing blocks, feet secured to the lower horizontal bars, and a flexible seat secured to the upper horizontal bars.

In testimony whereof I affix my signature, 20
in presence of two witnesses.

JAMES F. SPALDING.

Witnesses:

F. G. FISCHER,
L. J. FISCHER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."