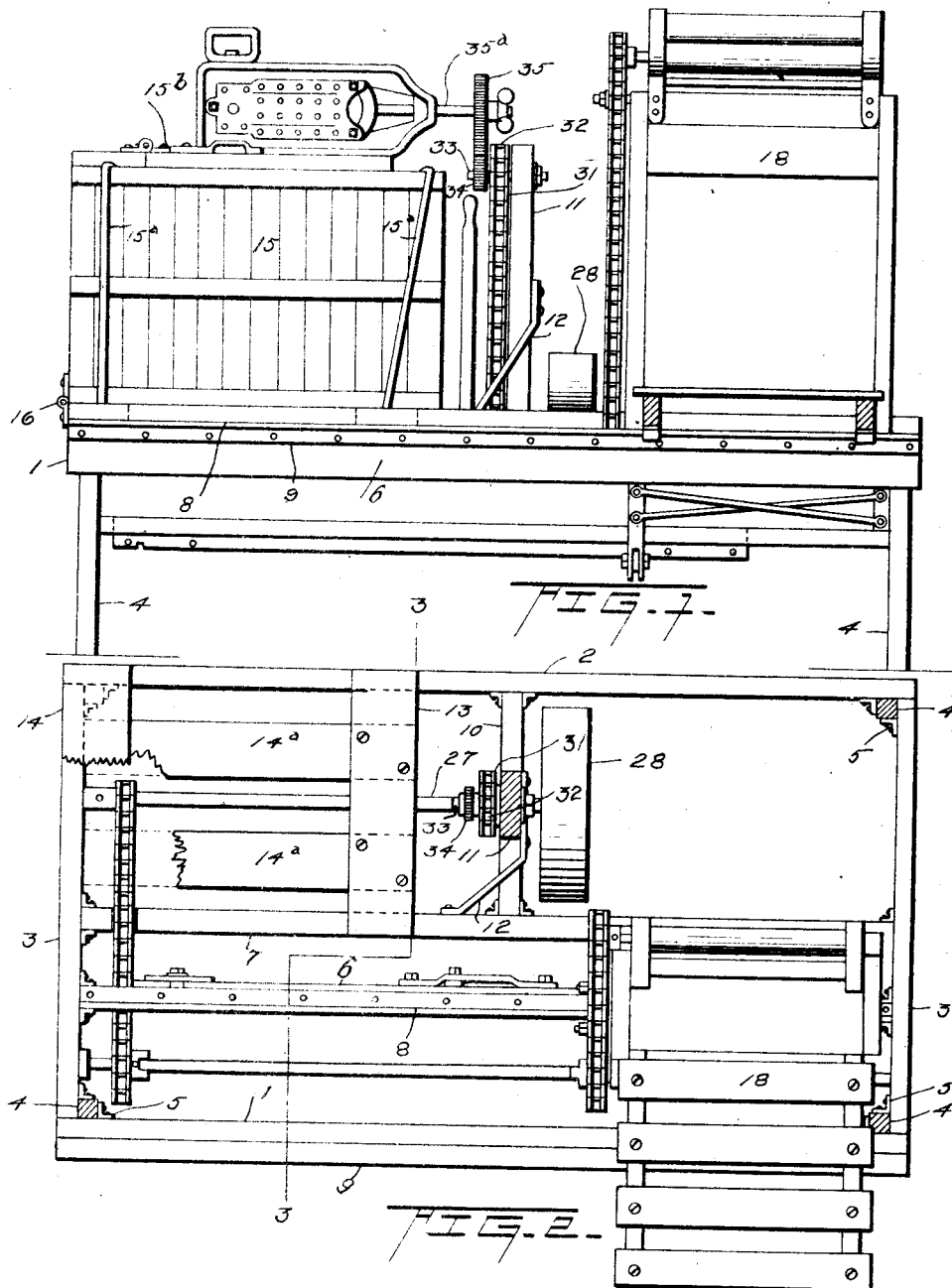


J. H. SPEAS.
DRIVING MECHANISM.
APPLICATION FILED DEC. 3, 1912.

1,062,370.

Patented May 20, 1913.

2 SHEETS-SHEET 1.



WITNESSES
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Mildred F. Boman BY

INVENTOR
John H. Speas
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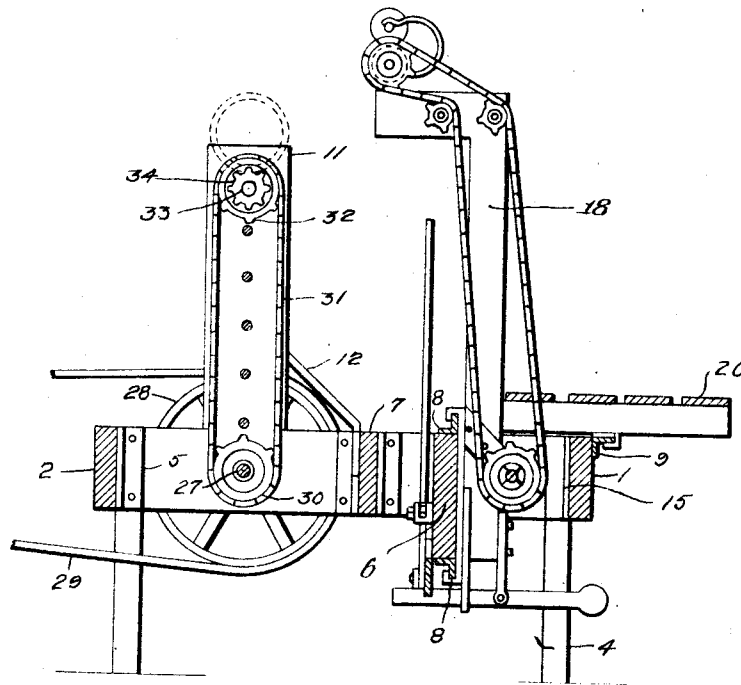
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FIG. 3.



WITNESSES
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LaPrade & Dean
ATTY'S

UNITED STATES PATENT OFFICE.

JOHN H. SPEAS, OF CAZENOVIA, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO
POWER WASHING MACHINE CO., OF PEORIA, ILLINOIS, A CORPORATION OF ILLI-
NOIS.

DRIVING MECHANISM.

1,062,370.

Specification of Letters Patent.

Patented May 20, 1913.

Original application filed July 6, 1908, Serial No. 441,982. Divided and this application filed December 3,
1912. Serial No. 734,682.

To all whom it may concern:

Be it known that I, JOHN H. SPEAS, a citizen of the United States, residing at Cazenovia, in the county of Woodford and State of Illinois, have invented certain new and useful Improvements in Driving Mechanisms, of which the following is a specification:

This invention has reference to improvements in driving mechanisms and has for its object to provide a driving mechanism more especially applicable to the operating means of a washing machine and like structures.

The invention has for a further object the driving mechanism for washing machines and like structures which is power operated and with which the operating means of the washing machine may be moved into and out of operative engagement with said driving mechanism.

This application is a division of my prior application, bearing Serial Number 441,982 filed July 6, 1908.

For a further and full description of the invention herein and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a front elevation of my improved machine; Fig. 2 is a plan view of Fig. 1 with a portion of the frame broken away and the power washing machine removed; Fig. 3 is a vertical cross section of the machine as the same would appear if taken on the line 3—3 of Fig. 2.

Like numerals of reference indicate corresponding parts throughout the figures.

In the drawings, a frame support is shown comprising the front and rear side sills 1 and 2 and the end sills or cross braces 3, which are united by being connected to four legs or standards 4, and braced by the angle iron strips 5, as shown in Figs. 2 and 3. The frame support further comprises two longitudinal spaced braces 6 and 7, which extend from one end sill or brace 3 to the other, as shown in Figs. 1, 2 and 3, the former being of greater depth than the latter and hav-

ing connected with the upper and lower 55 faces thereof, angle iron strips 8, which serve as tracks on which a frame supporting certain wringer mechanism may travel, and in connection with a third track 9, which is an angle iron strip extending longitudinally of and attached to the front sill 1. The brace 7 serves as a support together with the sill 2, for a cross brace or sill 10, best seen in Fig. 2, which supports an upright or standard 11, for a purpose to be 65 more fully described, and said upright is braced from the brace 7 by the strip 12, as shown.

A hinged frame to which a washing machine may be secured, is composed of the 70 transverse beams 13 and 14 and the longitudinal beams 14*, which connect the transverse beams 13 and 14. The beam 14 is preferably hinged at 16 to the end sill 3 of the main frame support, and when this 75 frame is in its normal position or that position seen in Figs. 1 and 2, the beam 13 rests on the longitudinal brace 7, and the sill 2, as shown. A washing machine, preferably, a power machine, which I have indicated as 15, is placed upon this frame and secured thereto by the stay rods 15*, which engage with the upper edge of the washing machine, as shown in Fig. 1, and at their lower ends secured in a suitable manner to 85 the beams 13 and 14. This washing machine may be of the type shown in the drawings, or of any preferred construction, with power devices connected with the lid thereof, as shown, and supporting it in the manner in 90 which I do on a hinged frame, it will be seen that when it is desired to move the washing machine out of the way for any purpose whatever, or to tilt the same for the purpose of drawing the water therefrom, 95 that the frame, to which the same is secured, and which I have just described, will be raised.

Extending longitudinally of the machine, and having its opposite ends journaled respectively to one of the end sills or braces 3 and the cross brace 10, is a drive shaft 27, on the inner end of which is carried a pulley 28, which may be driven by a belt 29 from any suitable source of power, such as 10 gasoline engine or other means. Also on said drive shaft and at or near the inner end thereof is carried a sprocket pinion 3

which operates a sprocket chain or other endless belt 31, which engages the same, and said sprocket chain passes around and transmits power to a sprocket pinion 32 carried by a short stud 33, supported at the upper end of the upright 11, and said stud 33 also carries a pinion 34, which may or may not be integral with the sprocket pinion 32, and with said pinion 34 is intended to mesh a gear wheel 35, carried by a shaft 35^a, being elements included in the operating mechanism of the washing machine and supported by the hinged member 15^b of said machine, and said gear wheel 35 is intended to mesh only with the pinion 34 when the washing machine is in that position shown in Fig. 1, and when swung out of the way or off of its support or when said hinged member 15^b is raised, it is understood that the gear 35 is removed from contact with the pinion 34.

The drawings include the wringer mechanism, which I have referred to generally as 18, and associated driving parts, not referred to specifically, as well as other parts, all of which have been fully described in my application bearing Serial No. 441,982, and which it is not thought necessary to further describe, as such parts or mechanisms do not form a part of the appended claims.

What I claim is:—

1. In a machine of the character described, a machine support, a driving shaft, a machine mounted on said support, an operating means for said machine movably mounted thereon and including a shaft and a driving member, a driving mechanism operated by the driving shaft, said driving member of the operating means on the machine adapted to be moved into and out of operative relation with said driving mechanism.

2. In a machine of the character described, a machine support, a driving shaft, an upright frame on said support, a short shaft journaled at the upper end of said frame, a wheel on said short shaft, a wheel on the driving shaft, a belt connecting said wheel on the driving shaft and said wheel on the short shaft, a gear wheel also carried by said short shaft, a machine mounted on said support, an operating means for said machine including a gear wheel, said operating means being movable on said machine, and said gear wheel of said operating means being adapted to be moved into and out of meshing relation with the gear wheel on said short shaft.

3. In a machine of the character described, a machine support, a machine mounted on said support, an operating means for said machine, said operating means including a gear wheel, a driving shaft, a gear wheel with which the gear wheel of the operating means of the ma-

chine may be moved into and out of meshing relation, and means for operating said second mentioned gear wheel from said driving shaft.

4. In a machine of the character described, a machine support, a machine mounted on said support and having a hinged member, an operating means carried by said member, said operating means including a shaft and a gear wheel, a driving shaft, a gear wheel with which the gear wheel of the operating means of the machine may be moved into and out of meshing relation, and means for operating said second mentioned gear wheel from said driving shaft.

5. In a machine of the character described, a machine support, a machine mounted thereon, said machine having a hinged member, an operating means carried by said member and including a shaft, a driving shaft, a driving mechanism operated by said driving shaft, said shaft of the operating means of the machine and said driving mechanism adapted to be connected and disconnected for operating said operating means from said driving shaft.

6. In a machine of the character described, a machine support, a machine mounted thereon, said machine having a hinged member, an operating means carried by said member and including a shaft and a gear wheel, a driving shaft and a sprocket wheel carried thereon, a short shaft operated from said driving shaft and a sprocket wheel and a gear wheel carried thereby, a chain connection between the sprocket wheel on the driving shaft and the sprocket wheel on the short shaft, said gear wheel of the operating means on the machine adapted to be moved into and out of meshing relation with said gear wheel on the short shaft.

7. In a machine of the character described, a machine support, a driving shaft, a machine mounted on said support, an operating means for said machine including a shaft, a driving mechanism operated by said driving shaft, said operating shaft and driving mechanism being adapted to be placed intermittently into operative relation to operate said operating means.

8. In a machine of the character described, a machine support, a driving shaft extending longitudinally of said support and adapted to be driven from a suitable source of power, an upright frame mounted on said support adjacent one end of said driving shaft, a short shaft journaled at the upper end of said frame and operated above said support, a sprocket wheel on said short shaft, a sprocket wheel mounted on said driving shaft adjacent one end thereof, a sprocket chain connecting said sprocket wheels, a gear wheel carried by said short shaft, a machine mounted on said support,

said machine having a hinged member, an
operating means carried by said member
and including a shaft and a gear wheel,
said gear wheel of the operating means of
5 the machine being adapted to be moved into
and out of meshing relation with said gear
wheel on the short shaft.

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

JOHN H. SPEAS.

Witnesses:

E. W. KNOBLAUCH,

J. C. SNYDER.
