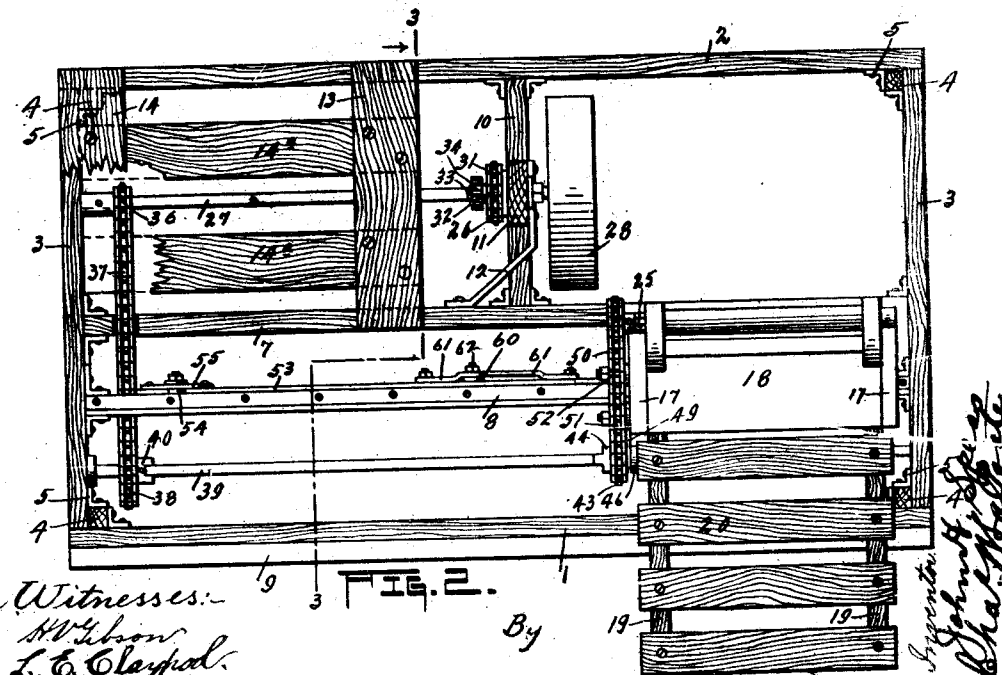
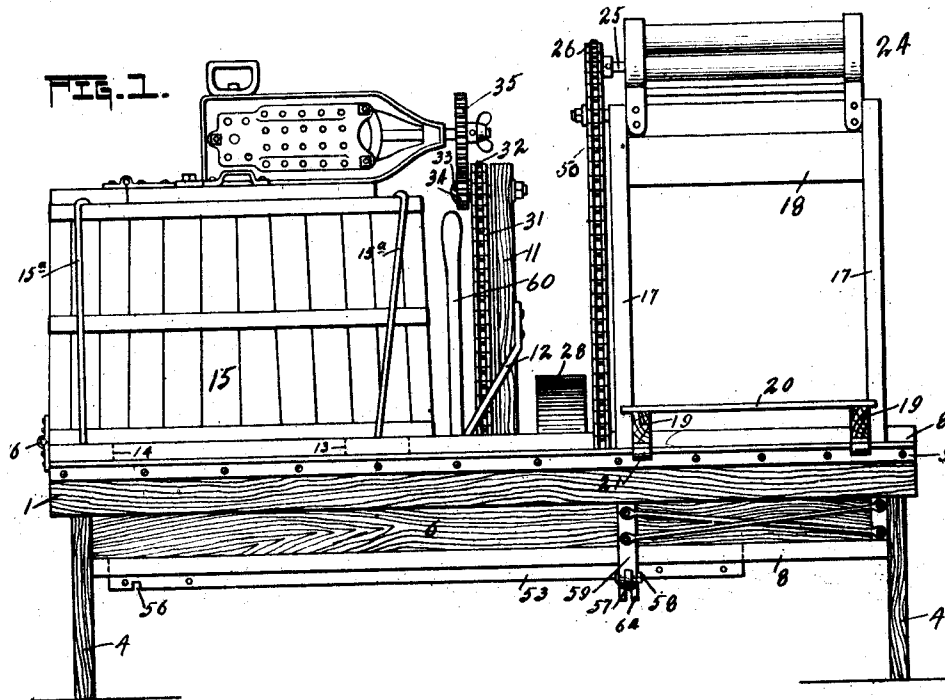


J. H. SPEAS.
DRIVING MECHANISM AND SUPPORT THEREFOR.
APPLICATION FILED JULY 6, 1908.

1,061,022.

Patented May 6, 1913.

2 SHEETS-SHEET 1.

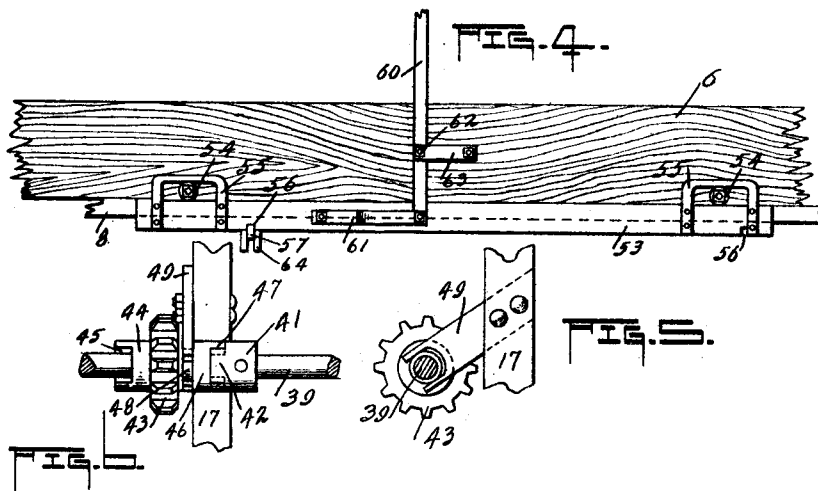
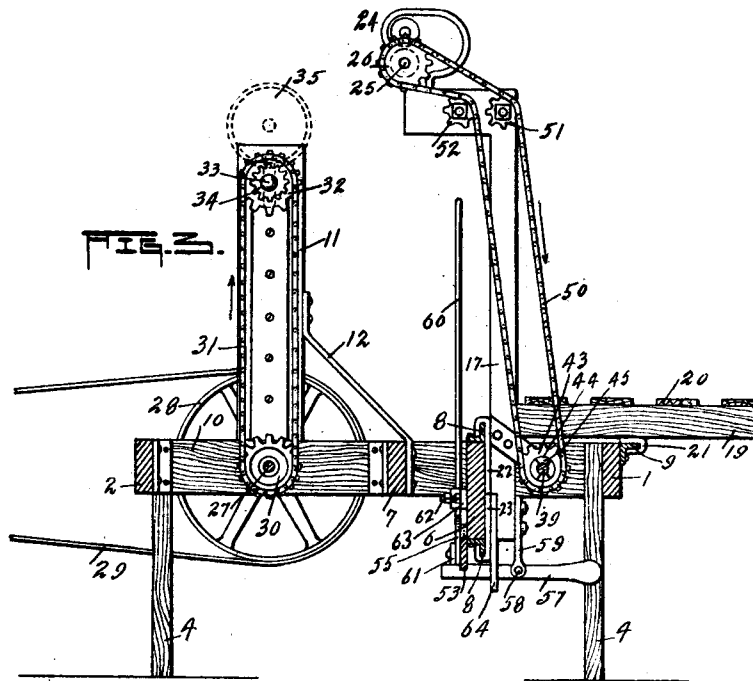


J. H. SPEAS.
DRIVING MECHANISM AND SUPPORT THEREFOR.
APPLICATION FILED JULY 6, 1908.

1,061,022.

Patented May 6, 1913.

2 SHEETS—SHEET 2.



Witnesses:-
H. V. Gibson
L. E. Clapp

Inventor.
By John H. Speas
Chas. H. LaPorte
att.

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 AND SUPPORT THEREFOR.

1,061,022.

Specification of Letters Patent.

Patented May 6, 1913.

Application filed July 6, 1908. Serial No. 441,982.

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 Mechanism and Supports Therefor; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a laundry apparatus or machine and has particular reference to a combined power washing and wringing mechanism.

The principal object of this invention is to provide a machine frame or support adapted to hold a washing machine and having movably mounted thereon a supplemental supporting frame adapted to sustain a wringer mechanism, whereby the latter may be moved to different positions on said frame or support, the purpose being to operate the wringer to wring clothes from the washing machine directly into a rinsing tub and from there into a basket or other receptacle, all being placed on said frame or support, and the washer and wringer mechanisms being driven by power.

This invention has for one of its objects, a frame support on which is slidably mounted a standard, including a platform and wringer mechanisms; a power washing machine supported by and hinged to said frame support, and power mechanisms mounted upon said frame support and adapted to be clutched to the wringer mechanism and driving parts of the power washing machine.

A further object of the invention is a frame support upon which may be suitably mounted a power washing machine; power devices with which the mechanism of the washing machine may be suitably connected, and a wringer support slidably mounted on said frame support, said wringer support containing suitable mechanism adapted to have a clutch engagement with the power devices at either or both ends of said frame support.

A further object of my invention is the provision of a machine support or frame having mounted thereon a supplemental supporting frame, which is adapted to hold a wringer, said supplemental frame being

formed of spaced uprights or standards which are slidably mounted on said main frame, connections being provided for driving the wringer in various positions from the drive shaft which is journaled in the machine support or frame.

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; Fig. 4 is a detail elevation of mechanism for locking the sliding frame supporting the wringer mechanism; Fig. 5 is a detail elevation of a connection between the shiftable frame supporting the wringer mechanism and a sprocket pinion through which power is imparted to the wringer mechanism, and Fig. 6 is a detail front elevation of parts seen in Fig. 5 and also clutch mechanism with which the sprocket shown in Fig. 5, cooperates.

Like numerals of reference indicate corresponding parts throughout the figures.

In the drawings, a machine support or frame is shown comprising the front and rear longitudinal 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 machine support or frame 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 having connected with the upper and lower faces thereof, angle iron strips 8, which serve as tracks on which the frame supporting the wringer mechanism may travel, in a manner to be described, and in connection with a third track 9, which is an angle iron strip extending longitudinally of and at-

tached 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 stand-
ard 11, for a purpose to be 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 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 machine support or frame, and when this 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 washer, 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 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 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, that the frame, to which the same is secured, and which I have just described, may be raised.

In order to provide a suitable support for a wringer mechanism, I provide a supplemental supporting frame, which frame is movably mounted on the main frame, preferably by being slidable therealong. This frame is preferably formed of spaced uprights, arms or standards with a top piece connected thereto, the wringer being mounted on said top-piece and having certain driving connections movable with the supplemental frame for operating it. These will be described at length hereinafter.

In the embodiment shown the spaced uprights or standards 17 extend up a suitable distance above the top of the machine support or frame and part way down into the same, and are connected at their upper ends by a brace 18, and at or near their lower ends, by means of a platform, consisting of the transverse sills 19 and a plurality of cross pieces 20, which said platform, as shown in Figs. 2 and 3, extends out over the sill 1. These uprights 17, together with the platform and component parts constitute a supplemental frame which is mounted to be moved longitudinally of the machine support or frame upon the tracks 8 and 9, previously referred to, and in the following manner: Connecting the sills 19 of the plat-

form, is a U shaped bar 21, which has a slidable relation in the manner shown in Fig. 3, with the track 9, and 22 and 23 are plates which are attached to the uprights 17, and over-ride the upper and lower angle iron strips 8 forming the track above referred to, connected with the longitudinal brace 6. With the connection between the uprights 17 and the platform or the sills 19 thereof, as just described, it will be understood that said uprights and platform, although they may move longitudinally of the machine support or frame, are firmly held to their position on said machine support or frame and prevented from any motion other than being moved longitudinally of said machine support or frame.

The uprights 17, at their upper ends are adapted to support a wringer, referred to generally as 24, which may be of any of the usual types of wringers, except that to the spindle 25 of one of the rollers of said wringer, it is intended to engage a sprocket pinion 26, to be operated in a manner to be described, which will in turn, transmit motion to the wringer rollers. The platform supported by these uprights, and composed of the sills 19, and the cross pieces 20 serves as a support for a tub, clothes basket or other suitable receptacle, and when the wringer frame has been moved over to the left hand end of the frame support, and along side of the washing machine, clothes may be removed from the washing machine, after the raising of the lid thereof, as will be understood, and the same passed through the wringer rollers, and dropped into the tub, basket or other receptacle, carried by the platform of the wringer frame. If it is desired to pass the clothes through the rinse water after they have been passed through the wringer, from the washing machine, as just described, a tub containing the rinse water and the clothes may be supported on the right hand end of the machine, to the rear of the wringer frame, upon either the right hand sill 3 and rear sill 2, or a plank or other rest laid upon the said sills, and the clothes wrung through the wringer may be dropped into a tub, basket or other receptacle supported upon the platform in front of the wringer.

Extending longitudinally of the machine, and having its opposite ends journaled respectively in 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, preferably, a pulley 28, which may be driven by a belt 29 from any suitable source of power, such as a gasoline engine or other means. Also on said drive-shaft and at or near the inner end thereof, is carried a sprocket pinion 30, 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 gear pinion 34, which may or may not be integral with the sprocket pinion 32, and with the said gear pinion 34 is intended to mesh a gear wheel 35, which is one of the elements of the driving mechanism of the washing machine 15, and is intended to mesh only with the gear 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, it is understood that the gear 35 is removed from contact with the gear pinion 34.

On the drive-shaft 27, at or near its outer end, is carried a sprocket pinion 36 or other equivalent driving member, which operates a sprocket chain or other endless belt 37, which passes around and is intended to drive a sprocket wheel 38 or other equivalent driving member, having a fixed connection with a longitudinally disposed counter-shaft 39, and said sprocket wheel 38 has the extended hub 40 with a clutch face, as shown in Fig. 2. The shaft 39, just referred to, is disposed between the front sill 1 and the brace 6, supporting the angle iron tracks 8, and has its opposite ends journaled in the end sills or braces 3. On said shaft 39, near the right hand end thereof, looking at Fig. 2, and removed a suitable distance from the sprocket wheel 38, is carried and preferably fixed thereto, a collar 41 having a clutch face 42. On the shaft 39 is loosely carried a sprocket wheel or other equivalent driving member which is intended to have an intermittent clutch engagement with the clutch faces of the collar 41 and the sprocket wheel 38, whereby power may be transmitted to the sprocket pinion 26, above referred to. This sprocket wheel, which I have just referred to, is indicated as 43, seen in Figs. 2, 5 and 6, and has an extended hub portion 44 with a clutch face 45, adapted, when the supplemental supporting frame with its platform is moved to the left hand of the machine, to have a clutch engagement with the clutch face of the extended hub 40 of the sprocket wheel 38, and is also provided with an extended hub portion 46, provided with a clutch face 47, adapted, when the parts are in that position shown in Figs. 2 and 6, to have a clutch engagement with the clutch face 42 of the collar 41. To retain the sprocket wheel 43 in coöperative relation with the wringer frame, the hub 46 is provided with an annular groove 48, which is engaged by a forked arm 49, carried by one of the uprights 17 of the wringer frame, as best seen in Fig. 5; so that as the wringer or supplemental supporting frame is moved longitudinally of the machine support or frame,

the sprocket wheel 43 will be moved longitudinally on the shaft 39, for the purpose of either detaching it from the clutch of the sprocket wheel 38, the clutch of the collar 41, or connecting the same therewith.

The sprocket wheel 43, just described, operates a sprocket chain or other endless belting 50, and said sprocket chain travels around and operates the pinion 26, connected with one of the rollers of the wringer, as aforesaid, and said sprocket chain or endless belting 50, travels around the idlers 51 and 52, supported by one of the uprights 17 of the wringer frame. It will be noticed that the upper ends of the uprights 17, extend at right angles and support the wringer mechanism at the inner end thereof, and this creates the necessity for the idlers, over which the chain 50, travels; because it is desired, when the wringer frame is at that end of the machine support or frame supporting the washing machine, to have the wringer mechanism extend over in the direction of the tub and partially above the same, so as to be in a convenient location for passing the clothes through the wringer, after they are removed from the washing machine.

I have provided mechanism for locking and retaining the wringer frame in an adjusted position, when either of the clutch faces of the sprocket wheel 43 are connected with the clutch parts carried at or near the opposite ends of the shaft 39, as previously described, and said mechanism is also supported and arranged in such a manner that it may be operated upon by lever mechanism or similar means for moving the wringer frame a predetermined distance, for the purpose of releasing the clutch parts of the sprocket wheel 43, from either of the clutch parts on the shaft 39 with which the same may be engaged. This mechanism, to which I have just referred, consists of a reciprocally supported bar 53, best seen in Figs. 3 and 4, and which is hung upon and has movement on rollers 54, supported by the longitudinal brace 6. The method of hanging the bar 53 on the rollers, is by means of the inverted U shaped strips 55, the horizontal portions of which ride and have movement on the rollers 54, while the vertical portions of the strips will engage with said rollers, and thereby limit the endwise movement of the bar 53. Said bar 53 is further provided on its lower edge and at or near its opposite ends, with notches 56, with which is adapted to engage one end of a weighted arm 57, fulcrumed at 58 to a support 59, attached to and depending from one of the uprights 17 of the wringer frame, as shown in Figs. 1 and 3. In Fig. 4, the parts are in that position shown in Fig. 2 with the weighted arm 57 engaging a notch 56 in the bar 53, which will retain the locking en-

gagement of the clutch parts 42 and 47, as shown in Fig. 6.

60 denotes a lever which is disposed in the main frame support and extends up a suitable distance above the top thereof, to be within convenient and easy reach of an operator, and said lever is fulcrumed at 62 to a strip 63, secured to the brace 6, and the lower end of the lever is pivotally connected with a strip 61 which is fixed in a suitable manner to the bar 53. Thus it will be seen that upon throwing the lever 60 to the right, looking at Fig. 4, the bar 53 is shifted to the left, riding on the rollers 54, and if desired to shift said bar in the opposite direction, the movement of the lever 60 is just the reverse of that described.

If it is desired to move the wringer frame for the purpose of separating either of the clutch faces of the sprocket wheel 43 from either the clutch of the sprocket wheel 38 or the collar 41, whereby the wringing mechanism will be inoperative, the lever 60 will be thrown, which will move the bar 53, in the manner described, and the weighted arm 57 of the wringer frame, having engagement with one of the notches 56 in the bar 53, will be moved with the bar 53, as will the wringer frame, and also cause the sprocket wheel 43 to be moved longitudinally on the shaft 39, because of the engagement of the arm 49 with the extended hub portion 46 of the sprocket wheel 43. The lever is merely brought into play for the purpose of moving the bar 53 when it is desired to disconnect the clutch parts which control the operation of the wringing mechanism. Should it be desired to move the wringer frame from the right hand end of the machine to the left hand end thereof, or vice versa, the operator will raise the weighted end of the arm 57, by engaging it with his foot or his hand, as he may desire, and having released said arm from the notch in the bar, he will then be able to shove the wringer frame to its desired position on the frame support, as will be understood.

For the purpose of guiding the end of the weighted arm 57, which has engagement with the notches 56 in the bar 53, I provide a forked arm 64, see Figs. 1 and 3, through the forked end of which, the weighted arm 57 is operatively carried, and said arm is secured to and depends from one of the uprights 17 of the wringer frame, which supports the weighted arm.

It is thus seen that I have provided a lever mechanism or arrangement for breaking the clutch connection between the driving mechanism on the supplemental frame and the counter shaft, whereby the wringer may be stopped at any time desired by manipulation thereof.

From the foregoing description, it will be seen that the wringer and the power washer

may be run simultaneously, or not, as may be desired, and that the wringer frame is capable of being moved from one end of the machine to the other, as may be desired or only part way across the machine; that is to say, if it is desirable to run the wringer from either end of the machine, it may be so done, or if after the clothes have been properly acted upon by the mechanism in the washing machine, the wringer frame may be moved into a position with a basket or other receptacle on the platform of said wringer frame to receive the clothes from said washing machine, and said wringer frame again returned to the position in which it is shown in the figures, and during the operation of wringing the clothes, the washing machine which has again been supplied with clothes, may be operated for simultaneously acting upon the clothes during the operation of wringing.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent of the United States, is:—

1. In a machine of the character described, in combination, a main frame, a shaft journaled therein, a counter shaft journaled in said main frame and means for operating the same from said first mentioned shaft, a supplemental supporting frame mounted on said main frame, said supplemental supporting frame being manually movable relatively to said frame, driving mechanism movable with said supplemental supporting frame and adapted to be operated from the counter shaft, and clutch devices forming an operative connection between said last mentioned mechanism and said counter shaft, and means for holding said clutch devices in operative relation, and a lever for breaking said clutch connection.

2. In a machine of the character described, in combination, a main frame, a shaft journaled therein, a counter shaft journaled in said main frame and means for operating said counter shaft from said first mentioned shaft, a supplemental supporting frame mounted on said main frame, said supplemental supporting frame being manually movable relatively to said main frame, a driving mechanism mounted on said supplemental frame and a chain and sprocket connection between said driving mechanism and said counter shaft movable with said supplemental supporting frame.

3. In a machine of the character described, in combination, a main frame, a shaft journaled therein, a counter shaft journaled in said main frame and means for operating said counter shaft from said first mentioned shaft, a supplemental supporting frame mounted on said main frame, said supplemental supporting frame being manually movable relatively to said main frame, a driving mechanism mounted on said supple-

mental frame and a chain and sprocket connection between said driving mechanism and said counter shaft movable with said supplemental supporting frame, and clutch devices forming operative connection between said chain and sprocket connection and said main shaft.

4. In a machine of the character described, in combination, a main frame, an operating shaft, clutch members on said shaft, one near each end thereof, a supplemental frame slidable longitudinally of said operating shaft, a driving member movable with said frame and capable of having a clutch connection with either of said clutch members when said supplemental frame is disposed at opposite ends of said shaft, and driving mechanism movable with said supplemental frame and adapted to be operated by said driving member.

5. In a machine of the character described, in combination, a main frame, an operating shaft, a counter shaft, means for operating the same from the operating shaft, a driving member slidable on said counter shaft and adapted to have a clutch connection with said shaft, a supplemental supporting frame slidable on said main frame, operating means movable with said supplemental supporting frame and adapted to be operated from said driving member, and means for holding the driving member in clutch engagement with said counter shaft.

6. In a machine of the character described, in combination, a main frame, an operating shaft, a counter shaft, means for operating the same from the operating shaft, a driving member slidable on said counter shaft and adapted to have a clutch connection with said shaft, a supplemental supporting frame slidable on said main frame, operating means movable with said supplemental supporting frame and adapted to be operated from said driving member means for holding the driving member in clutch engagement with said counter shaft, and manually operated means for releasing the driving member from such clutch relation.

7. In a machine of the character described, in combination, a portable frame, a shaft disposed longitudinally of said frame, a supplemental frame mounted upon said portable frame and adapted to be moved from one end thereof to the other, said supplemental frame comprising spaced uprights or standards, driving mechanism mounted on the upper portion of said movable frame, and means movable with said movable frame for operatively connecting said driving mechanism with said shaft, when said movable frame is in various positions on said main frame.

8. A device of the class described, comprising a main frame, a shaft journaled for rotation in said frame, a supplemental frame

slidably mounted upon the main frame and held for movement in a single plane longitudinally of the shaft; operating means upon the supplemental frame and spaced from the main frame; spaced clutches upon the shaft; and clutch-engaging means for connecting the clutches alternately with the operating means; said operating means being inoperable by the shaft when the supplemental frame is slid in opposite directions away from the clutches.

9. A device of the class described, comprising a main frame; a shaft journaled for rotation in said frame; a supplemental frame slidable mounted upon the main frame for movement longitudinally of the shaft; a pulley slidably mounted on the shaft; a belt carried by the pulley; mechanism upon the supplemental frame with which the belt is operatively connected; and elements upon the shaft to lock the pulley at spaced points along the shaft for rotation with the shaft.

10. In a machine of the character described, in combination, a main frame, a shaft journaled for rotation on said frame, a supplemental frame slidable mounted on said main frame, said supplemental frame comprising spaced uprights or standards and a top piece connected thereto, a driving mechanism on said supplemental frame and movable therewith, connections between said driving mechanism and said main shaft, said connections being movable with said supplemental frame and including means for clutching said connections in operative relation to said main shaft when said supplemental frame is in different positions on said main frame.

11. In a machine of the character described, in combination, a frame, a shaft, a driving member slidably carried on said shaft, spaced clutches on said shaft, said driving member adapted to operatively engage either of said spaced clutches, driving means slidably mounted on said frame, and a permanent connection between said driving means and said driving member.

12. In a machine of the character described, in combination, a main frame, a shaft journaled for rotation in said frame, a supplemental frame slidable mounted on the main frame for movement longitudinally of the shaft, a pulley slidably mounted on the shaft, a belt carried by the pulley, mechanism upon the supplemental frame with which the belt is operatively connected, and clutch members spaced upon the shaft with which said pulley is adapted to have a clutch connection.

13. In a machine of the character described, in combination, a main frame, a shaft, a counter shaft, means for operating said counter shaft from said first mentioned shaft, a driving member slidable on said counter shaft and adapted to have a clutch

connection therewith, a support slidable on said main frame, operating means movable with said support and adapted to be operated from said driving member, means for holding the driving member in clutch engagement with said counter shaft, and holding means comprising a notched bar movably secured to said main frame and a weighted lever pivoted to said slidable support and adapted to engage said notches.

14. In a machine of the character described, in combination, a main frame, a shaft, a counter shaft, means for operating said counter shaft from said first mentioned shaft, a driving member slidable on said counter shaft and adapted to have a clutch connection therewith, a support slidable on said main frame, operating means movable with said support and adapted to be operated from said driving member, means for holding the driving member in clutch engagement with said counter shaft, said means comprising a notched bar movably secured to said main frame, a weighted lever pivoted to said slidable support and adapted to engage said notches, and means for moving said notched bar.

15. In an apparatus of the character described, and in combination, a main frame including longitudinal members, a supplemental frame comprising spaced uprights or standards, a top piece connected thereto, runners to which said uprights or standards are connected, a track on one of said longitudinal members, said runners adapted to engage said track whereby the supplemental frame may be moved to various positions on said frame.

16. In an apparatus of the character described, and in combination, a main frame including longitudinal members, a supplemental frame comprising spaced uprights or standards, a top piece connected thereto, runners to which said uprights or standards are connected, a track on one of said longitudinal members, said track being formed of angle iron, said runners adapted to engage said track whereby the supplemental frame may be moved to various positions on said frame.

17. In an apparatus of the character described, and in combination, a main frame including longitudinal members, a track on one of said longitudinal members, said track being formed of angle iron with its vertical flange disposed upwardly, a supplemental frame mounted on said main frame and provided with runners, said runners adapted to rest and move upon said track.

18. In an apparatus of the character described, and in combination, a main frame including longitudinal members, a track on one of said longitudinal members, said track being formed of angle iron with its vertical flange disposed upwardly, a supplemental

frame mounted on said main frame comprising spaced uprights or standards, a top piece connected thereto, a runner mounted on the lower portion of each upright or standard and adapted to rest on and move along said track whereby said supplemental frame may be moved to various positions on said main frame.

19. In a machine of the character described, in combination, a portable frame support, a supplemental frame supported on said frame support, said supplemental frame including spaced uprights or standards, a head piece connected to said uprights or standards, a shaft journaled on said frame support adapted to be driven from a suitable source of power, a driving mechanism at the head end of said supplemental frame, a driving member at the base of said supplemental frame, a permanent driving connection between said driving mechanism and said driving member, means for intermittently connecting said driving member with said shaft, said supplemental frame being so mounted on said frame support that the supplemental frame may be moved to position the driving mechanism on the supplemental frame in different positions relative to said frame support, and the driving connection between said driving mechanism and said driving member being so arranged that the movement of the supplemental frame will not disturb the permanent relation of said driving connection.

20. In a machine of the character described, in combination, a portable frame support, a supplemental frame supported on said frame support, said supplemental frame including spaced uprights or standards, a head piece connected to said uprights or standards, a shaft journaled on said frame support adapted to be driven from a suitable source of power, a counter shaft, means for driving the counter shaft from the first mentioned shaft, a driving mechanism at the head end of said supplemental frame, a driving member at the base of said supplemental frame, a permanent driving connection between said driving mechanism and said driving member, means for intermittently connecting said driving member with said counter shaft, said supplemental frame being so mounted on said frame support that the supplemental frame may be moved to position the driving mechanism on the supplemental frame in different positions relative to said frame support, and the driving connections between the driving mechanism and said driving member being so arranged that the movement of the supplemental frame will not disturb the permanent relation of said driving connection.

21. In a machine of the character described, in combination, a portable frame support, a supplemental frame supported on

said frame support, said supplemental frame including spaced uprights or standards, a head piece connected to said uprights or standards, a shaft journaled on said frame support adapted to be driven from a suitable source of power, a driving mechanism at the head end of said supplemental frame, a driving member at the base of said supplemental frame and adjacent the lower end of one of its uprights or standards, a belt connection between said driving mechanism and said driving member, means for intermittently connecting said driving member with said shaft, said supplemental frame being so mounted on said frame support that the supplemental frame may be moved to position the driving mechanism on the supplemental frame in different positions relative to said frame support, and the belt connection between the driving mechanism and said driving member being so arranged that the movement of the supplemental frame will not disturb the relation of said belt connection.

22. In a machine of the character described, in combination, a portable frame support, a supplemental frame supported on said frame support, said supplemental frame including spaced uprights or standards, a head piece connected to said uprights or standards, a shaft journaled on said frame support adapted to be driven from a suitable source of power, a counter shaft, means for driving the counter shaft from the first mentioned shaft, a driving mechanism at the head end of said supplemental frame, a driving member at the lower end of said supplemental frame, and adjacent the lower end of one of its uprights or standards, a belt connection between said driving mechanism and said driving member, clutch devices for controlling the operation of the driving member from said counter shaft, said supplemental frame being so mounted on said frame support that the supplemental frame may be moved to position the driving mechanism on the supplemental frame in different positions relative to said frame support, and the belt connection between the driving mechanism and said driving member being so arranged that the movement of the supplemental frame will not disturb the relation of said belt connection.

23. In a machine of the character described, in combination a main frame, a shaft journaled therein and extending longitudinally of said main frame, a supplemental frame movably mounted on said main frame, including spaced uprights or standards, a top piece connected thereto, a mechanism mounted thereon, said spaced uprights or standards being positioned in a line longitudinally of the machine, a driv-

ing member adapted to have a clutch connection with said shaft, and driving connection between said driving member and said mechanism.

24. In a machine of the character described, in combination, a main frame, a shaft journaled therein, a counter shaft journaled in said main frame and means for operating said counter shaft from said first mentioned shaft, a supplemental supporting frame mounted on said main frame, said supplemental supporting frame being manually movable relative to said main frame, a driving mechanism mounted on said supplemental frame and a belt connection between said driving mechanism and said counter shaft movable with said supplemental supporting frame.

25. A machine support or frame including longitudinal members, and end supporting members, one of said longitudinal members being provided with an angle iron track so disposed that the vertical flange thereof extends upwardly, a supplemental frame including uprights or standards and a top piece connected to said uprights or standards, supporting members or runners on which said uprights or standards are mounted, one of said supporting members or runners being provided with bearing means adapted to rest and move upon the vertical flange of said angle iron track.

26. In a machine of the character described, in combination, a main frame, a shaft journaled in said frame and adapted to be driven from a suitable source of power, a supplemental frame including spaced uprights or standards and a top piece connected thereto, a mechanism mounted on said supplemental frame, a driving member adapted to be operatively connected with said shaft, a permanent connection between said driving member and said mechanism, clutch devices for connecting said driving member to said shaft, said clutch devices and said driving member being movable with said supplemental frame along said main frame.

27. In a machine of the character described, in combination, a main frame, an operating shaft, a driving member slidably carried on said shaft and arranged to have a clutch connection with said shaft, driving means slidably mounted on said frame, and a permanent connection between said driving means and said driving member.

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

JOHN H. SPEAS.

Witnesses:

LAURA E. CLAYPOOL,
CHAS. W. LA PORTE.