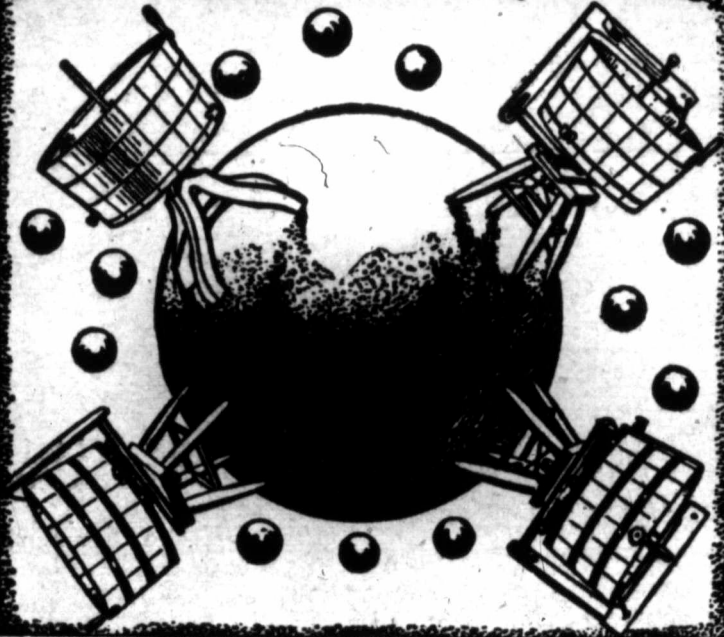


CATALOGUE OF OUR

# BALL BEARING WASHERS



**THE BACH SPECIALTY CO.**

**SOLE VENDORS FOR CANADA  
TORONTO, CAN.**

**355 1/2 YONGE ST.**

**THE  
"1900  
JUNIOR"  
WASHER**

**Full Ball-Bearing  
and Automatic....**

No Wear or Tear. No Destructive Chemicals.  
There is Nothing Washable That it Will Not Wash

**Simplest, Easiest, Most Efficient Machine  
for Washing Clothes Ever Invented.....**



**TAKING IT EASY**

**T**HE "1900 JUNIOR" WASHER is a thoroughly practical labor-saving machine for washing all kinds and grades of material, from the finest lace to the coarsest fabrics. It is constructed on scientific principles. It revolves on ball-bearings, which render the rotatory movement as easy as the wheels of a high-grade bicycle. The "1900 Junior" Washer will wash any garment without boiling, without scrubbing, and without

wear or tear. There is absolutely no need of using chemicals. Soap and water are the only necessary things to do perfect work.

No More "Tired Feeling" While Standing Over a Washtub

**The Washing is Done While the Operator Sits  
by its Side, Revolving the Tub by the Handle**

## HOW IT OPERATES

The operator turns it to the right and to the left about half way around each time. To make it work as nearly *automatic* as possible it is provided with two oil-tempered coiled springs, which engage at each extreme point and help to reverse the motion. The machine moves uninterruptedly until it reaches the point where it should be reversed, then it comes in contact with the force of these springs and, like the action of a rubber ball, bounds back, meeting the spring force at the other extremity.

### **BASE AND PLATFORM**

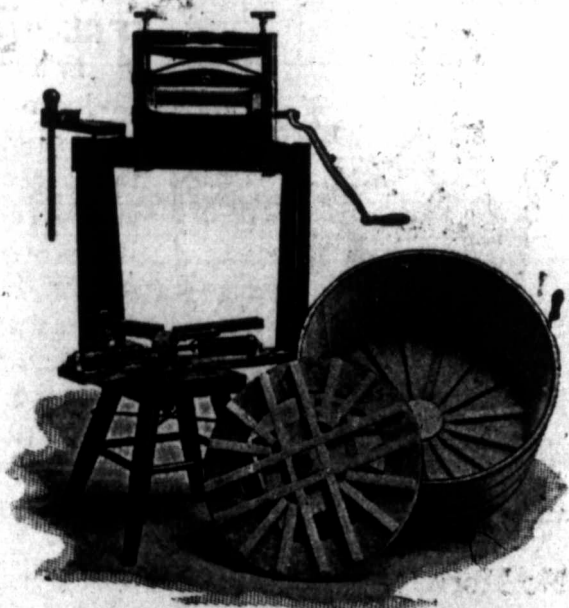
The following cut gives a good view of the base and platform on which the tub rests when loaded with clothes and water.

### **WRINGER RACK**

It also gives a good view of the wringer rack, which holds the wringer when used in wringing the clothes, and while the machine is operated in washing. During the entire process of washing the wringer can be held in this position without interfering with the movement of the tub. This saves handling the wringer.

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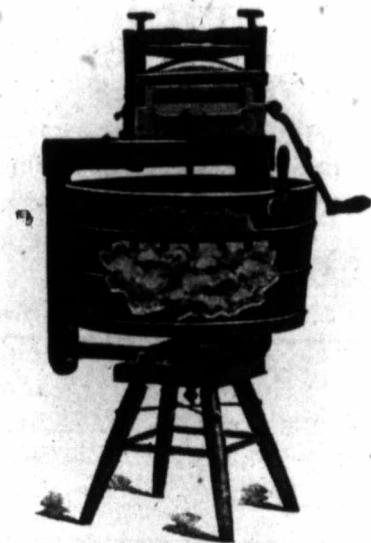
The cut shows the bottom of the tub and the rubbing board attached to it. As described before, the tub turns, consequently this washboard moves. The clothes are placed in the tub and the disk shown in the cut, which we call the agitator, is placed over them with the washboard-side down. This agitator does not turn, but adjusts itself automatically up and down, regulated by the amount of clothes and water in the tub. Over this a cover is placed to prevent steam from escaping.



Shows this washer with the tub, removed from the frame, and the agitator or disk, which rests on the clothes and water during the washing. It also shows the wringer in position as when in use.

## HOW IT WASHES .

This shows the agitator in position with the clothes and water between the upper and lower rubbing-boards, and as the tub is revolved back and forth, the garments are tossed and tumbled and rubbed and scrubbed in a whirlpool of moving water. The rubbing loosens the dirt and the water rinses and washes it out by being forced back and forth through the fibres of the clothes. Many washers have been made that rubbed the garments, and others that moved the water, but it is the combination of both that makes a successful washer.



Showing Interior with Clothes in Process of Washing and the Wringer in position on the frame.

## Description of "1900" Junior Washer and Parts

### HOW THE MACHINE IS MADE

#### **BALL-BEARINGS**

The ball-bearings are in an iron case just beneath the platform. Twelve  $\frac{1}{4}$ -inch steel balls, each one standing a crushing pressure of 5000 lbs., are enclosed between two tracks of case-hardened steel; thus the weight of the tub, clothes and water all rest on perfect ball-bearings. Ball-bearings do for this washer what ball-bearings do for a bicycle—make it run easy.



The "1900 Junior" Ball-Bearing Washer as it appears without the wringer in position.

## MATERIAL

The base and frame of the tub are made of the best hard wood. The tub is made of the best selected white Virginia cedar. It is bound with galvanized steel wire hoops welded by electricity. These hoops have double the strength of the old style riveted flat hoops. The hoops are imbedded in the tub by a special process. There is no possibility of any water getting under them to create a rust, and no possibility of their dropping off.

You will observe by looking into the tub that there is no hole through the bottom of it and no centre post. The agitator is held by the arm which is attached to the corner of the wringer rack and by a rod which passes through the end of this arm and down into the hub in the centre of the agitator. The tub can be removed from the frame by simply lifting it from the platform on which it sits in the process of washing.

**Summary statement of the strong features of the "1900 Junior" Washer:**

**A place to hold the Wringer** so it need not be removed during any part of the washing.

**The Removable Tub:** In storing the machine the tub can be removed and set aside without the platform or frame. By removing it, it can be rinsed out the same as an ordinary wash tub. The tub has no centre rod or hole through the bottom.

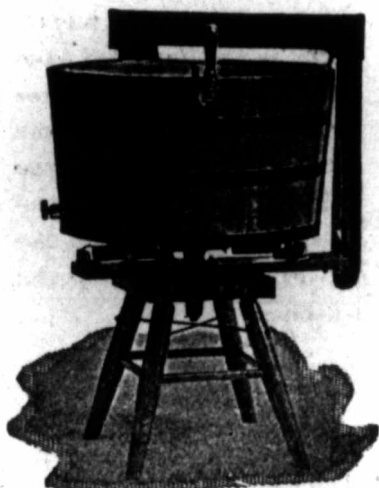
**The adjustment of two coiled springs,** giving the operator a compound lever purchase.

### **"Wash Day" No More a "Dreadful Day"**

Why should not the housekeeper be provided with the best labor saving devices? The husband avails himself of every labor saving machine. The housekeeper who cares for the household should be given every improvement which tends to make her work easier, especially to relieve the drudgery of the household, the family washing. Our washers take away the awful dread of wash day. They make Monday a better day. Every house has use for one.

These washers are protected by patents; three allowed in 1901. Other patents applied for.

# "Domestic" Ball-Bearing Washer



Our "Domestic" Ball-Bearing Washer as it appears without the wringer in position.

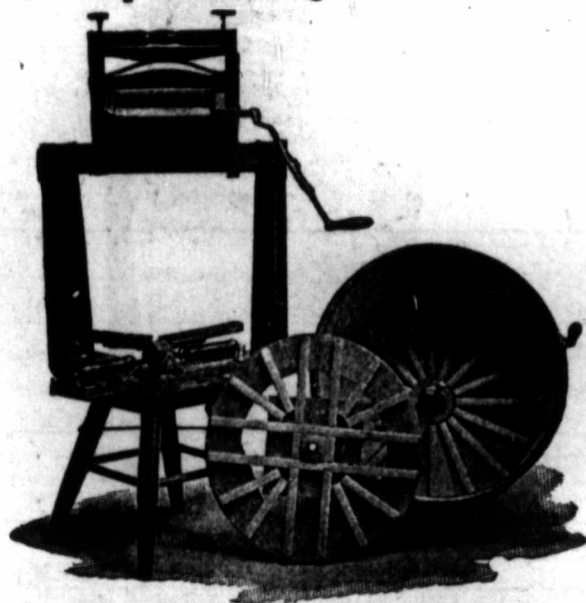


The same machine as it stands ready for washing with the wringer in position on the frame as it is held when the washing is being done.

The movement of the tub when doing a washing, the ball-bearings, base, automatic springs and wringer frame are the same in this washer as in the "1900" Junior last described.

The tub of this machine is made of quartered clear pine. This tub is bound by  $1\frac{1}{2}$  flat steel hoops, very strong and durable. The agitator is held in position by a heavy cold rolled steel rod, the lower end of which is threaded. This rod is firmly held in position by two large iron plates threaded, the one screwed on the rod on the inside of the bottom of the tub, and the other screwed on the rod from the outside of the bottom of the tub. The rod and inside plate are tinned so as to prevent rusting. The hub of the agitator extends about 4 in. above the top of the same and has a hole through the entire length.

of it large enough for this rod to pass. In washing the agitator is held by this rod, and in adjusting itself to the clothes and water works up and down the rod. It is held stationary by a rod attached at the top of the wringer frame.



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This cut shows this washer with the tub detached from the frame; also the agitator or disk just in front of the frame. It also shows the wringer fastened to the frame as it is held when the tub is in position for the washing.

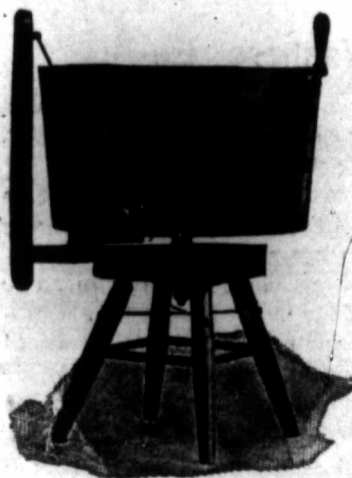
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## The Old Way of Washing Wears Out Clothes and Women

A wash tub with a woman bending over it for hours, with her hands submerged in hot suds, produces more rheumatism and pneumonia than any other cause; and especially is this true when the operator, in a heated condition, is compelled to expose herself to inclement weather to hang out the clothes. **This is all prevented by the use of our washers.**

All first-class steam laundries use washing machines, and boiling hot water which bleaches the clothes white, but the principle upon which their machines are constructed, heretofore could not be applied to hand washers, because too hard to operate. The application of ball-bearings to modern inventions has revolutionized everything, and its application to our Washers enables us to make a machine possessing all the advantages of a steam laundry washer, yet one that any woman can operate.

# The "Home" Ball-Bearing Washer



This cut shows our "Home" Ball-Bearing Washer as it stands ready for the washing. This washer has but one automatic spring. The wringer, when used to wring out the clothes, is fastened to the tub, and when the washer is operated the wringer must be removed from the tub. The tub is not removable, as in the "1900 Junior" and the "Domestic."

The tub is made of pine and bound with flat steel hoops. The ball-bearings of this machine are the same as in the "Domestic" Washer.

## The Correct and Only Satisfactory Principle for Washing Clothes

These three washers which we present to the public are the embodiment of the best known principle for washing clothes—we may say the correct and only satisfactory principle for washing.

In the "1900 Junior" Washer we have a machine that has stood every known test for years. The demand therefor continually increases, until it is now at the rate of fifty thousand a year.

It has a removable tub and a place to hold the wringer, so that it need not be detached during the entire washing. The agitator is held in such a way that no centre post is needed thus allowing the entire tub for the clothes. It is made of the best material, bound with galvanized wire and electrically welded hoops.

In the "Domestic" Washer we have a machine which cleans the clothes on the same principle as the "1900 Junior," but this washer has a cheaper tub (pine with flat hoops, instead of bound with galvanized wire hoops), and as a whole costs less to construct. Thus we are enabled to sell it for less money than the "1900 Junior."

In the "Home" Washer we have a machine which washes the



clothes on the same principle as the other washers; but being constructed with one spring, without the wringer rack, and tub not removable, we are enabled to sell it for less than the "Domestic" Washer.

### **Any One of These Washers**

**W**ILL WASH large quantities of clothes in from 3 to 10 minutes, better and quicker than if washed by hand. It will save the operator untold labor, backaches, and that tiredness which comes from stooping and standing.

The saving in expense is one of the most important items in favor of this washer. Economy of time, of labor, and of wear of the clothes, and in many other ways are alone sufficient to pay for the washer in a short time

Other inventors have attempted to make a washing machine that would rub the clothes, thinking that this did the washing. They never stopped for a moment to take into consideration that if the clothes were rubbed dry they would not be washed. What really washes the clothes in the old way is pressing or forcing the water through the fibres with the hands as they are rubbed on the board. This washer forces the whole body of water back and forth through the fibres, the whole tub full at a time. Revolving as it does on ball-bearings, and with the automatic spring attachment, the labor is reduced to almost nothing, and the result obtained is far superior to anything that can be done by hand.

While other washers clean the clothes to some extent, they do not wash all parts. They leave the wristbands, collars, and the worst soiled places unfinished, but with this washer the water is forced through every fibre. The principle upon which this machine operates is directly opposite to that of any other.

**Other machines move the clothes through the water, but this machine forces the water through the clothes, and rubs and presses them at the same time.**

### **WILL WASH LACE CURTAINS WITHOUT BREAKING A THREAD, AND A CARPET WITH EASE**

Carpets and bed spreads are heavy and hard things to wash, but this washer handles them as easily and cleans them as well as it does collars and cuffs. It is worth all it costs simply for doing this class of work.

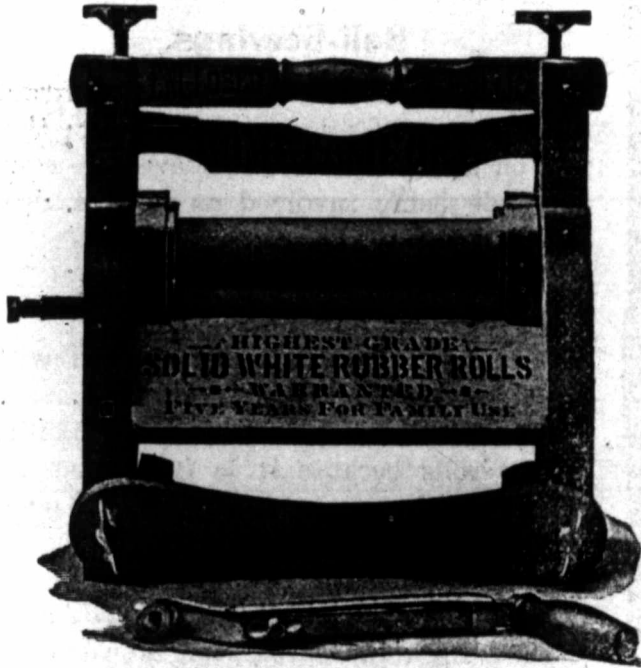
Miners', mechanics' or laborers' clothes are very hard to clean by hand. This washer is especially adapted to wash clothes of this character.

### **ANY ONE OF THESE WASHERS**

**Will save its cost many times in preventing the wear and tear of the clothes. They are worn more by the old method of washing than they are by use.**

**SEE PRICE LIST FOR OUR WASHERS AND  
WRINGERS AT THE END OF THIS BOOKLET**

## Ball-Bearing "Home Comfort" Clothes Wringer



The value of a wringer is in the rolls. The rolls of a cheap wringer are made of composition pulp with a slight covering of rubber over the pulp to hold it together. When the coating is worn off the rolls go to pieces. Such a wringer is hard to operate, hard on the woman, and hard on the clothes. Furthermore, they crack and tear off the buttons, and are short "lived."

Having had so many calls for a better wringer than can be found in the ordinary store, and yet one that can be sold at a price within the reach of all, we concluded to build such a wringer. First we thought of making it high grade, but on more mature thought we concluded that what the good housekeeper wants and needs—the best wringer—she shall have. Therefore, we have built a wringer of the best material, design and workmanship that money can buy. The result, our "Home Comfort" Wringer, the "Highest Grade," illustrated above.

This wringer is the best clothes wringer that can be made. It has solid white rubber rolls (not pulp nor composition, but solid white rubber), ball-bearing, steel spiral springs, easy-running, extension handle, and enclosed cog wheels. **Best Rubber, Best Steel Ball-Bearings, Best Design. Warranted for Five Years for Family Use.** Our written or printed guarantee for five years over our name and signature goes with each wringer.

We purpose selling this wringer direct to the consumer only.

*(For further description see next page and for terms page*



Sectional view of the ball-bearings and of the enclosed cog wheels.

### Ball-Bearings

The steel balls are enclosed in a tempered steel case, strongly riveted together; they run on a hardened steel sleeve, the same principle being involved as used in high-grade bicycle bearings.

### Enclosed Cog Wheels

Our best wringers are protected with Lovell's Cog Wheel Shields.

This construction increases the durability of the rolls because it is impossible for grease and dirt from the bearings to come in contact with the rubber.

The bearings are unobstructed and can be quickly and effectively oiled and cleaned.

The Elliptic Pressure Spring is two inches longer than used in old style family size wringers and therefore relieves the rolls of undue pressure by allowing larger and thicker articles to pass between them, yet maintaining a sufficient pressure to do good wringing.

The cog wheels being inside the wringer frame and covered with Lovell's Cog Wheel Shields, prevent water from getting into the bearings, thereby making it impossible for rust to accumulate on them.

The liability of children getting their fingers caught and crushed between cog wheels is absolutely overcome by Lovell's Cog Wheel Shields. This is a most noteworthy improvement and one which will surely be appreciated.

It has been our chief aim in adding wringers to our line of washing machines, to obtain not only the very best and most durable wringers possible, but also to effect a perfect and fitting commu-

tion, in order that purchasers of washers may have a complete outfit in all its details.

The "1900" Wringers are undoubtedly the best on the market. They are constructed of the very finest materials, in the most modern styles, and they outlast any wringers made.

We advise purchasers of our washers to buy a first-class wringer. It is poor economy to get a cheap wringer. We are prepared, however, to furnish cheaper grades of wringers, as quoted in our price list at the end of this booklet.

## Directions

Practice makes perfect in the use of this washer, the same as it did in the use of your sewing machine. You will like it the first time you use it, but the more you use it the easier you can use it and the better you will like it. **PREPARE YOUR CLOTHES.**

1. Soak them in cold water for a time, over night if possible, to prevent setting stains in putting them in hot suds. Wring them out preparatory to washing.

2. Heat a boiler full of water to the boiling point. Slice half a bar of soap in this boiler of water. In addition, dissolve enough soap in two or three quarts of warm water in a dish to make a strong suds. After the clothes have been wrung out of the water in which they have been soaked as above, sort them and dip the worst soiled parts in this solution of soap, and roll them up and lay them aside for the last tub full. Then put the other clothes in the machine and turn the balance of the dissolved soap on them. Then pour in your *boiling* hot water, a sufficient quantity to float the clothes, and to make the machine run easily, and proceed as follows:

3. Put on the agitator over the clothes and turn the tub with a *quick motion* far enough to get the effect of the spring and reverse, for about five minutes, a little longer if the clothes require it. Five minutes is usually long enough.

4. Wring out this batch and place the next in the same water, washing in like manner, and so continue until all are run through. It is a good plan to have a tea kettle of hot water and occasionally heat up the suds by adding a little, and if the soap seems to lose its strength add a little more.

5. After all are washed, draw off the suds and run each batch through a boiling hot rinsing water in the same manner, operating the machine only one or two minutes for each lot. Observe the above instructions, and you can throw away your wash-board. *It is not necessary to boil the clothes.* Remove the plug and draw off the water, rinse out the tub and set it away in a cool place. It is well to set a dish of water in the tub from week to week.

# "Home Comfort" BALL BEARING Wringer

**HIGHEST GRADE.**

This wringer, which is illustrated on page 9, we will ship on approval, and prepay the freight on it to the nearest freight station. If you are satisfied with it you are to pay us within fifteen days from the receipt of the wringer \$1.75, and \$1.75 each month thereafter for three months, making altogether \$7.00.

You may, at your option, send us within fifteen days from the receipt of the wringer \$6.30, which we will receive in full payment for the wringer.

An order blank covering these terms will be furnished on application. You will also find one enclosed herewith.

REMEMBER that we guarantee this wringer over our own signature for a period of five years. This guarantee goes with each of our "Home Comfort" Wringers.

## Price List of Washing Machines

The "1900 Junior" Ball-Bearing Washer..	Cash \$14;	Easy Payment \$16
The "Domestic" Ball-Bearing Washer..	" 11;	" " 13
The "Home" Ball-Bearing Washer .....	" 9;	" " 11

### HIGH-GRADE WRINGERS.

The "1900" Ball-Bearing 10-inch Wringer, Superior Quality Rolls, Enclosed Gearing, Extension Handle.....	\$6.00
The "Zenith" Ball-Bearing 10-inch Wringer, Superior Quality Rolls, Exposed Gearing, Regular Handle.....	\$5.50

### MEDIUM-GRADE WRINGERS.

The "New Century" Ball-Bearing, Walnut Trimmings, Solid Rubber Rolls, 10-inch Wringer.....	\$5.00
The "Empress," Walnut Trimmings, Solid Rubber Rolls, 10-inch Wringer .....	4.00

### STANDARD-GRADE WRINGERS.

The "Adlake," Standard Grade Rolls, 10-inch Wringer.....	\$3.25
The "Wabash," Cheap Grade Rolls, 10-inch Wringer.....	2.00

The Cash Discount on "High-Grade" and "Medium-Grade" Wringers is 10 per cent.; the "Standard-Grade" Wringers are sold for cash only, and the prices are net.

**WHEN THROUGH WITH THIS CATALOGUE  
DO NOT THROW IT AWAY, BUT HAND IT  
TO A FRIEND** 

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**OUR WASHERS ARE OUR SALESMEN**

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**OUR REFERENCES ARE OUR CUSTOMERS**