First aid for injured Westclox

First Aid for Injured *Westclox*

A book gotten out to make it easy for you to put alarm clock casualties promptly back in service and at the same time to add substantially to your profits.

Western Clock Co.—makers of *Westclox*

La Salle—Peru, Illinois

New York	Chicago	San Francisco	Toronto
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WESTCLOX PRESS

A Service Department

IT is a long jump from clocks and watches to automobiles, yet the two lines have many things in common.

It's a good thing to study the other man's methods. Once in a while you find something you can use.

The same criticism has been made of the average garage owner that has been made of the average jeweler. Both are mechanics. Both started into business via the repair route. Both added stocks of goods after they had developed a repair business. Both are accused of being better mechanics than they are salesmen, or merchants.

There's this difference. The watchmaker developed his business by individual effort. He followed customs and traditions established by watchmakers who were in business before him. He suffers from trade abuses started before he was born.

The garage man is in a comparatively new line of business. He did not have to seek his trade. It sought him.

In the early days automobiles needed lots of tinkering, and the owner was on the lookout for a man with skill and ability.

The automobile industry was developed quickly through advertising. Many of the trade abuses of other lines were omitted on the jump. The garage man is never in debt for a new car. It comes to him draft attached to bill of lading. He pays for it before he gets it.

There are no unlimited guarantees in the automobile business. On one of the highest priced cars you get a guarantee of three months. That covers defective material. The owner pays the cost of replacing the defective part.

The garage man does not guarantee his work. No need to point out to you the watchmaker's side of this.

A big word in the automobile business is service. All the companies advertise service stations. Your garage man talks service, so let's find out just what they mean by it.

Service, as far as we can learn, is nothing more or less than the ability to repair or adjust. You get precious little of it for nothing.

When the car is new a few minor adjustments may be required to get it running smoothly. These, of course, are made without charge. After this, service calling for adjustments which require some time, or for replacement of worn parts, means the regular charge per hour for the mechanic's time, plus a charge for the material used.

The automobile owner has never known anything else, consequently he does not expect anything else. He's satisfied, and takes better care of his car than he would if he could get a lot of free work on it.

The garage offers some free service—free air and free water. The compressed air tank is a convenience in their work. They're willing to let you make use of it. Frequently, if their mechanic blows up your tires for you, there's a charge of from ten to twenty cents. It's only the air that's free.

Water costs very little.

Some places will test and fill your batteries free. This is another service item. It enables the service station to see that the batteries are in good order, and to issue a warning to the owner if any repairs are needed.

The free water and air are used as advertising. The garage man is graduating from a repair man to a merchant. He finds that repair work at a dollar an hour is fairly profit-

able in itself, but that its biggest profit lies in bringing people to his garage, and giving him a chance to suggest accessories.

The sale of a lamp, a tire, a bumper or a heater nets him more profit in a few minutes than his mechanic will make in several hours.

Satisfactory repair work or service often helps him to sell a new machine. Here's one other striking thing about the garage man. He will accept any kind of a car for repair, it may be the cheapest, flimsiest make on the market, or the very highest priced. His charge for repairing it is so much per hour plus the cost of material. He hasn't got the habit of setting a price for his work before he starts at it unless it's a standardized operation.

The car you bring in may be in such bad shape that his rough estimate of the cost of repairing it will be more than the worth of the car. In that case he'll probably recommend the purchase of a new car, and help you to buy it.

He doesn't object to working on a car that's in bad shape. He figures that the oftener it comes in the more he'll make out of it and the more opportunity he has to sell accessories and to talk new machine.

Every time the car comes in to have work done upon it, a charge is put against it.

Service in the automobile world means expert care at a worth while price, and the automobile industry is making this kind of service pay.

Let's consider the same points in regard to the watchmaker and clocks.

Is there such a word as clock or watch service?

The nearest approach to it is that unfortunate word "guarantee." The watchmaker usually guarantees clock or watch work for a year. The customer expects him to tinker it up, adjust it, and keep it in running order for that year or more.

The customer expects this because watchmakers have led him to expect it. Why shouldn't service on clocks and watches mean the same thing that it does in the automobile business—the ability to repair at a cost that will enable a first class workman to give proper service.

Free regulating could compare to free air. It takes but a moment and gives you a chance to see what condition the watch is in, to suggest repairs if necessary, thus serving the customer, and to suggest a new watch to replace an old one.

You have one big advantage over the garage man. His entire stock relates to automobiles. Your stock comprises thousands of items for almost every use and occasion.

The watchmaker is likely to turn down certain types of clocks, not even to accept them for repair. The garage man would turn a lot of these into new sales.

The watchmaker turns these down because he hasn't learned to sell his time by the hour. He sells his work by the job. If watchmakers sold their work on the time basis, they would accept these worn out clocks or watches the same as the garage man takes in an old car, and the owner would shortly see that it would be economy for him to purchase a new one. This should be the advice of the watchmaker before the watch was accepted.

Some jewelers have torn a leaf out of the garage man's book. They take in all kinds of repairs. They make service pay. One particular class of business that they encourage is alarm clock repairs. They find that alarm clock work is as profitable as watch repairing. It brings in customers for other lines.

Some dealers have carefully figured the cost of material and labor in doing certain standard jobs, in order to name a definite price when the clock is left. The list shows

the scale of repair charges used by some of the men who have made a success of alarm clock service.

This book is planned to make it easy for you to find the material you require. You will find all the parts of a clock shown on a page, with a picture of the clock itself. Every part is numbered plainly on the page. On the other side of the sheet is given the number, the name, and the price of the part. This makes ordering very simple and easy. It avoids confusion and error.

Men in the factory often have different names for parts than those used by men working at the watchmaker's bench in the store. This plan of illustration makes it almost impossible for you to order the wrong part.

On another page are listed three assortments of material. These offer the most convenient way of ordering material. The selection is based on our experience of the parts most frequently ordered. The price is lower, as this method saves you and us time and money.

In making up these assortments we chose the parts that are most frequently called for, and in the proportions in which they are most generally used. It would have been very simple to say six of each part, and let it go at that. Instead we've tried to choose this assortment so that it will be of the greatest possible use to you.

That's not the only way in which we've considered your end of it. If you were to buy this material at the prices quoted in our material catalog, one or two pieces at a time, you'd pay over $2.00 for the material, and you'd pay postage on each individual lot. By making a large number of these assortments up at one time, we save considerable in packing and shipping. That's why we give you a special price on the assortment. $2.00 worth of material at $1.50, and postage paid. The assortment idea saves us time and you money.

You will find a number of tips for repairing Westclox—shortcuts developed in the factory where we work on one kind of clock all day long, shortcuts you would discover under the same circumstances.

Alarm clock repairing is desirable and profitable. If this book helps you to increase your business, it will serve its purpose.

Clock Repairs

Cleaning—general overhauling, point balance	$1.25
Main Spring	.75
Alarm Spring	.75
Keys	.15
Alarm Set	.15
Hand Set	.25
Glass	.25
Click Spring	.50
Hour Hand	.35
Minute Hand	.35
Alarm Indicator	.35
Pair Hands	.50
Screws, Case, Bell	.15
Screws, Balance	.35
Wheels—3rd, 4th, etc.	.50
Dial	.50
Leg & Case Ring Bow	.25

Watch Repairs

Cleaning—putting in order	.75
Crystal	.25 to .35
Hand	.15 ea. .25 pair
Main Spring	.50
Case Ring Bow	.15

Their Quick Getaway

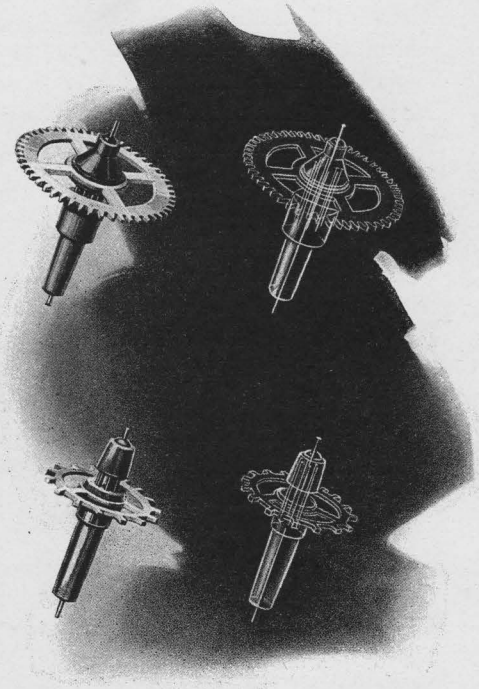
SOME watchmakers will calmly turn from setting a roller jewel, or the pallets of a high-priced watch, in shellac, and tell the Westclox salesman that they do not believe in the use of Babbitt Metal for clock wheels. The principle is exactly the same.

The shellac is really a binder or cement. It holds the parts together and in the proper relative position. No wear comes upon it. It is chosen because it melts at a low temperature, and sets almost instantly.

Babbit Metal is used in *Westclox* for exactly the same reason. It is a metal that melts at a comparatively low temperature, and sets instantly. No wear comes upon it. It holds the parts together in the proper relative position.

This method allows us to use small, hard, highly-polished pinions and pivots. This construction reduces friction so much that a Westclox main spring will not run the ordinary alarm clock. It gives much longer life to the clock. We know of a number of Westclox which have been running for twenty-three years, and are still giving good satisfaction.

An easy way to test the light running qualities of Westclox is to take a Westclox alarm, and one of another make, set them on a table, and wind them without allowing any swinging motion to the clocks. The Westclox alarm most likely will start ticking before it is half wound up. The other clock will probably need some assistance, even after being fully wound.



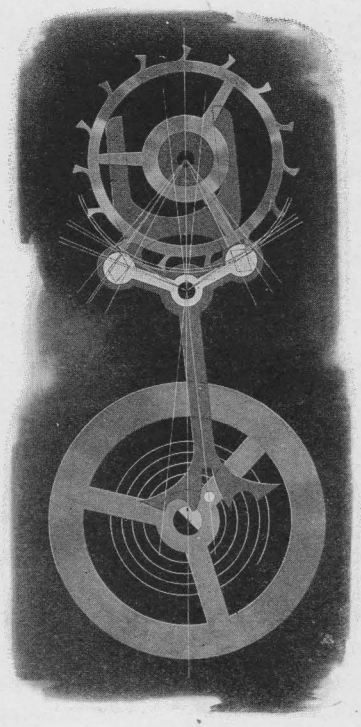
Wheels and shadowgraphs showing how highly polished thin steel pinions and pivots are held in place by the Babbit Metal.

Westclox patented construction gives long life, accurate timekeeping. The Westclox escapement is the same in principle as the high-grade watch. This is only made possible by this type of construction.

Some watchmakers have been unable to get accustomed to the appearance of the Westclox movement. Those watchmakers who have tested out its timekeeping qualities and its durability, are recommending them to their customers. We are willing to rest the case on the performance of our clocks.

Quality production has built up quantity demand. In many cases the demand has come faster than we could build up to meet it, for no increase in production is allowed unless the quality of the product can be maintained.

You can make as good a clock as you know how. You can watch it as carefully as pos-



Straight line escapement and club-tooth escape wheel.

sible through the manufacturing processes. You may study to improve it. You may pack as carefully as you please, but sometime, somewhere, some way, some of those clocks are going to go wrong.

It may not be the fault of the clock. It may be lack of proper care. It may be the result of an accident. Whatever it is, that clock is a clock that requires mending. That's the way the owner looks at it, and the first person that he thinks about in connection with that clock is the jeweler.

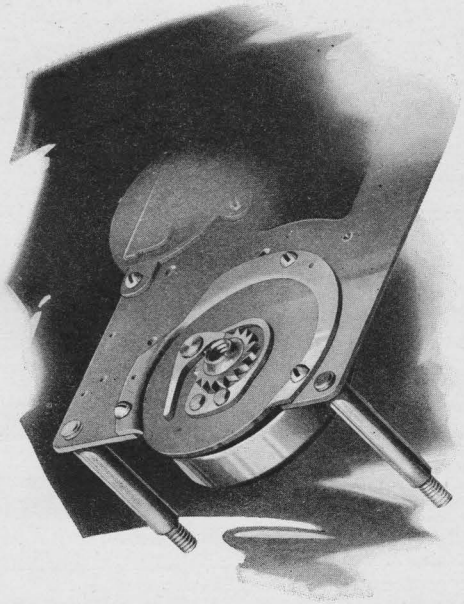
Westclox have been improved from the repair man's standpoint. They're made not only to wear well, to look well, but are made convenient to repair.

For instance, Big Ben, Baby Ben and Bingo spring barrels are bridged to the plates so that a spring may be changed without taking the movement down. The same is true of the watch.

By loosening three screws around the America case, the movement may be taken out. This makes the clock easier to repair, and supports the movement better. Sleep-Meter and Bunkie are cased the same way.

Dust washers have been put on all Big Ben case openings. The openings for the switch levers and regulator have been closed to prevent dust from entering. This does not interfere with the movement of these parts.

In most cases it's easier to fix a Westclox alarm than it is to pack it up and send it to the factory. Because so many watchmakers are realizing this, and because it's a profitable business to repair Westclox, we have gotten out this catalog.



Removable spring barrels on Big Ben, Baby Ben, and watches.

How to Order

TO make it easy for you to select material, one sheet is devoted to a clock. Find the picture of the clock for which you want the material. Grouped around it are the various parts which you are likely to want for repair purposes, with the exception of dials, glasses, and case parts. Each part is plainly numbered.

Locate the part you want. Turn the page. Here the parts are listed in numerical order. The name is given, as well as the price, singly or in dozen lots. Case parts not illustrated are listed and priced on this page.

In pays to order in dozen lots. In ordering, give the name and number of the part. In case the part is supplied in either nickel or brass, be sure to specify which finish is desired.

Slight changes are always being made in the construction of the different clocks. In ordering repair material for some specific job, mention the date stamped on the plate. The date will be found stamped on the front plate, for instance, 5 19 19. Giving the date will insure your receiving the proper part to fit the model you have to repair.

List your material order on a separate sheet from your clock order, or from a letter relating to other matters. This allows your order for material to go through by the quickest possible route, and insures prompter filling.

All orders are sent by parcel post uninsured, unless you request that insurance be placed on the package, and send stamps covering the cost of the insurance. It costs three cents to insure a package valued at $5.00 or less.

The table below shows the rate for parcel post shipments, so that you can include in your order the correct amount of stamps to cover postage.

The prices quoted in this catalog are F. O. B. La Salle, New York, or San Francisco. Stocks of material are carried at New York and San Francisco. You can save considerable time by sending your order to the office nearest you. Cash to accompany order.

The minimum charge on any material order is ten cents.

We do not assume the responsibility for loss or damage that may occur in transit. Material is carefully packed to reach you in good condition. We take every precaution in this regard. After it's turned over to the transportation company our responsibility ceases.

Rate Table for Parcel Post Shipment

This table shows the charges when shipping by parcel post, according to the weight of the package and according to distance by zones.	ZONES 1 & 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
	Not over 150 Miles From LA SALLE	151 to 300 Miles From LA SALLE	301 to 600 Miles From LA SALLE	601 to 1,000 Miles From LA SALLE	1,001 to 1,400 Miles From LA SALLE	1,401 to 1,800 Miles From LA SALLE	Over 1,800 Miles From LA SALLE
Weight of Package	Charges Required	Charges Required	Charges Required	Charges Required	Charges Required	Charges Required	Charges Required
Over 4 oz. up to 1 lb.	.05	.06	.07	.08	.09	.11	.12
Over 1 lb. up to 2 lbs.	.06	.08	.11	.14	.17	.21	.24
Over 2 lbs. up to 3 lbs.	.07	.10	.15	.20	.25	.31	.36
Over 3 lbs. up to 4 lbs.	.08	.12	.19	.26	.33	.41	.48
Over 4 lbs. up to 5 lbs.	.09	.14	.23	.32	.41	.51	.60

How to Fix Them

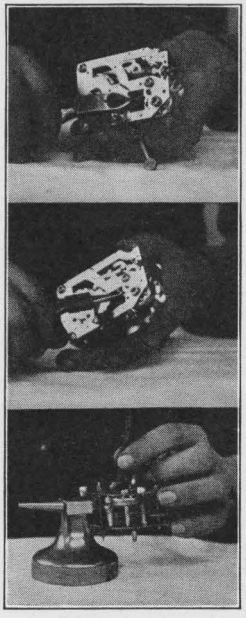
THE pictures on the three following pages show a few handy tricks in repairing Westclox. These stunts have been worked out by the men in the factory who are handling Westclox day in and day out.

They use a lot of special tools. This has been taken into consideration in making the movies, and the only tools used in making these pictures should be available on the bench of any watchmaker.

Below the material price lists you will find some other tips that may come in handy. It will pay you to run through this catalog for the time savers you will find.

Click Springs

Click springs sometimes fail. No matter how carefully you choose material, or how carefully you treat it in the manufacturing process, you can't guarantee the life of a spring.



To put a click spring in our America, disengage the click ends from the ratchet teeth with a pair of cutting pliers, snip off the tongue that is riveted through the plate. Remove the hammer by springing the plate slightly.

Hold the new click spring in a pair of snipe-nosed pliers. Turn both spring barrels so none of the ratchet teeth come under the openings into which the spring ends fit.

Hold the center of the click spring on the end of a bench anvil. Use a chisel punch to rivet the tongue which projects through the plate, replace the hammer, and put the movement back in the case. Time, fifteen minutes.

Several dealers have asked us how to remove Big Ben's winding key when the click spring is broken.

First, remove the three screws around the bezel, and pull off the front case. Through the hammer opening, engage the teeth of the time main wheel with a screw-driver, and unscrew the winding key.

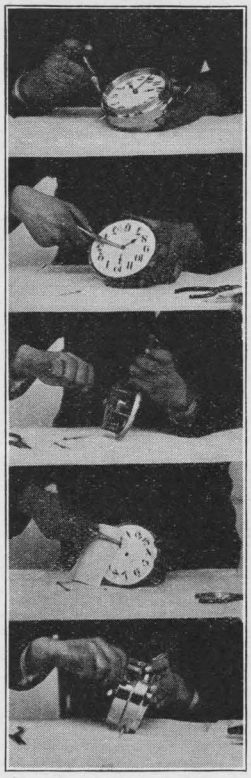
The easiest way to fix the click spring is to use a new barrel bridge. A Big Ben or Baby Ben main- or alarm spring barrel and bridge may be removed by taking out three screws. There's no need to take down the movement. This makes them the handiest clocks on the market in which to put new springs.

Hands Off and On

Grasp the hub of the minute hand with the jaws of a pair of long, flat-nosed pliers. In working the hand off, rock it gently from

each side. Ease off the hour hand in the same way.

Then remove the back bell and inside case. Hold the trip staff firmly with a pair of pliers and loosen the friction nut. This will give ample room to insert the plier jaws between the dial and the indicator hub.



To replace, turn the alarm set until the trip snaps in place. Point the indicator directly at 7, and drive on. Turn the time set to the right until the indicator, which moves with it, rests upon the figure 6.

Rest the center turn on a bench block and use a staking punch to drive the hour hand on at the numeral 6 and the minute hand between the numerals 11 and 12. Then test the alarm.

In replacing the front case, be sure the repeating switch stud is between the lever and hammer verge. Press the switch springs down so they clear the case.

New Model Big Ben

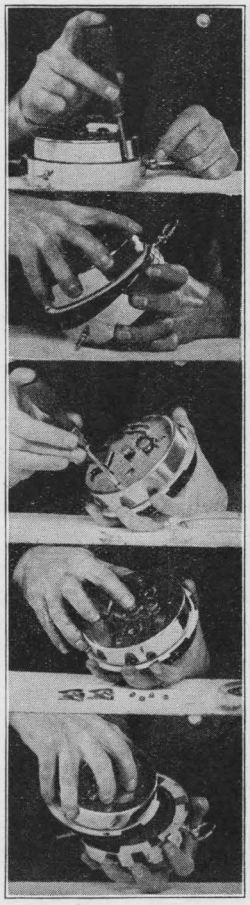
The method of taking the clock apart is very simple.

Loosen the three screws in the flange under edge of gong enough to allow them to slide in slots. Grasp the bell firmly and turn slightly to right so screw heads will pass through large slots in flange.

Lift the movement out gently, bringing the lower part of the dial out first.

Take off time and alarm keys and four large screws through gong.

Hold movement dial down and lift off bell and casing back.



Be careful not to lose dust washers.

See that the bushing in the fan-shaped regulator dust-plate fits over the balance screw. If this bushing rides the screw head it will stop the movement when the pillar screws are tightened.

In returning movement to case, hold switch levers toward ring head so that intermittent lever slides in without injury.

The alarm shut-off switch works in the opposite direction, and moves more easily.

This will lengthen the active service of Big Ben, as it makes it as nearly dustproof as a nickel alarm clock can be made.

Cleaning

Gummed oil is a common complaint of clocks. The remedy is cleaning and oiling.

Loosen the balance screw, withdraw the hair spring wedge, and remove the balance wheel.

Then force the lever pivot through the Babbitt Metal just far enough to let you spring the plate slightly and remove the lever.

Let the movement run down in gasoline a few times and give it a thorough going over with a chisel shaped brush, paying particular attention to pivot holes and countersinking.

Set it aside till the gasoline is thoroughly dry, then oil it with a good quality of clock oil. Put a few drops of oil on the main-springs and touch the lever pallets with oil.

When you replace the balance wheel, wedge the hair spring where it is bent. In adjusting the balance screws, see that the balance points have very little side motion.

If the balance screws are too tight, a slight pressure on the plates will stop the movement.

Uncasing Sleep-Meter

The pictures show the easiest way to uncover Sleep-Meter's motor.

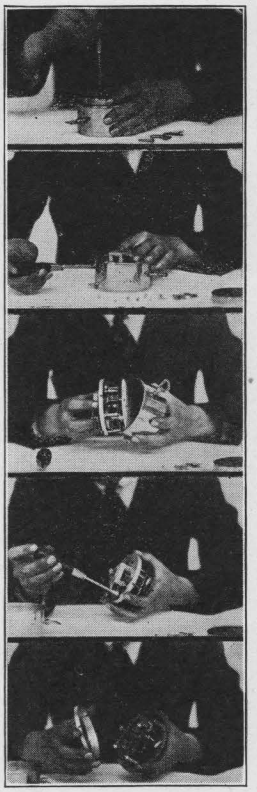
Number one shows the removal of the bell, after the time and alarm sets have been removed. Number 2 shows the real trick, the simplest thing about Sleep-Meter. One turn of each of the three screws in the outer case, and the Sleep-Meter movement is released.

To get a glimpse at the movement, there's no need to take off the keys or bell. Loosen the screws and the movement comes right out. You can brush it out with gasoline and re-oil it without removing the dial or the hands.

If you want to go further you can proceed as shown in number 4 and detach the movement holder. It lets you get right at Sleep-Meter's innards. Most alarm clock troubles can be removed with gasoline and oil.

Sleep-Meter goes back just as easily as it came out.

Sometimes a watchmaker, by mistake, turns the case screws out of the lugs. Be sure to put the lugs on the screws before putting the movement back in the case. One and a half turns of the case screws is enough to let the case slide freely in or out. Set them tight, and the movement is in to stay. This is a simple way to fasten the movement in the case.

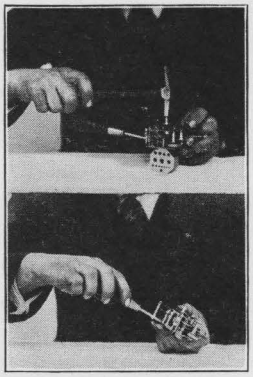


Loose Friction

Sometimes, from one cause or another, the hands of an alarm clock do not "track" with the movement. This is usually a case of "loose center friction" and the remedy is simple when you know how.

Insert a screw driver between the friction collet and the back-plate. Then rest the back plate on a bench block or jeweler's anvil, with the shaft free, but close to the block. Tap the upper end of the shaft with a hammer as shown in the illustration. This will effectively tighten the friction and insure the proper relation between the movement of the hour hand and the minute hand.

At the same time it is well to see that all else is working freely and so avoid a



repetition of the trouble. Our salesman will supply you a special tool for tightening the center friction. Ask him for one the next time he comes in. It won't cost you a cent.

If you prefer, send us a post card asking for the "center friction tightener" and one will be mailed out at once post paid.

Old Model America

The America is so well put together that it may seem difficult to uncase. The movement can be taken out in a jiffy.

Catch the handle end of a pair of pliers under the roll of the bezel. Press back against the bell, and out comes the bezel. Remove the alarm indicator and the hands. The dial will spring out when it is tapped lightly just above the figure 2.

To remove the center turn, insert the handle ends of two pairs of pliers under it, as in the illustration. Rest one on the key and one on the case screw nearly opposite. A simultaneous pressure, and it's off.

Remove the keys and the case screws and the movement is free.

The bezel, which fits friction tight, can be easily pressed in when a knife is slid around between it and the case.

Before operating on an America, see which model it is.

The new model has three screws around the back outside edge. Loosen these and take movement out from back. The old model hasn't the screws.

Material Assortments

Big Ben Assortment

2 Time Barrels with Springs
1 Alarm Barrel with Spring
3 Balance Wheels with Hair Springs
3 Hair Springs
3 Time Springs
2 Hand Sets
2 Alarm Sets
2 Time Keys
2 Alarm Keys
18 Assorted Hands
6 Click Springs
12 Case Screws
12 Balance Screws
12 Gong Screws
3 Glasses

Baby Ben Assortment

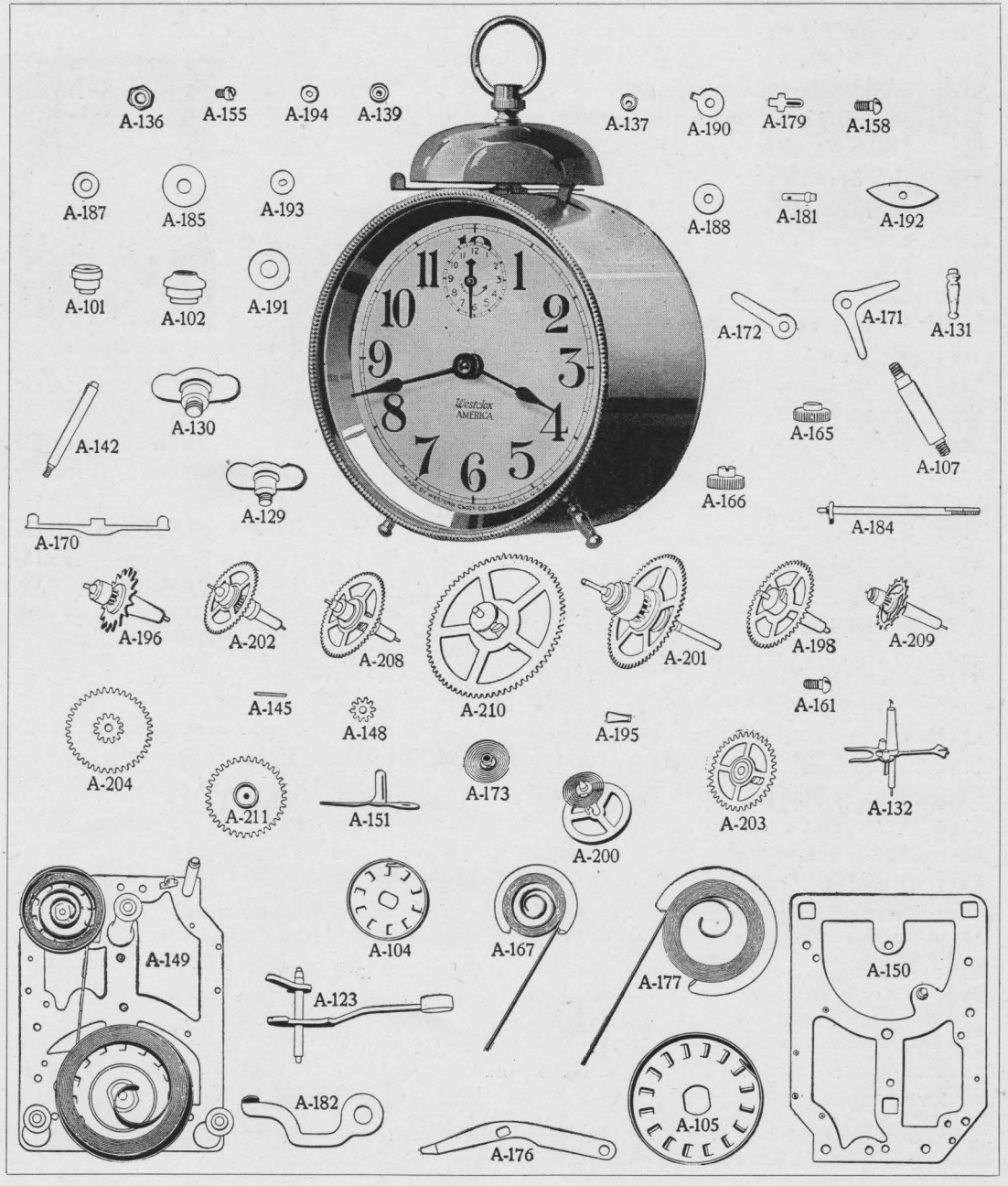
1 Time Barrel with Spring
1 Alarm Barrel with Spring
3 Balance Wheels, Complete
3 Hair Springs
3 Time Springs
3 Alarm Springs
2 Hand Sets
2 Alarm Sets
2 Time Keys
2 Alarm Keys
18 Assorted Hands
12 Case Screws
12 Balance Screws
12 Gong Screws
6 Glasses

Special Assortment

12 Balance Screws
4 Time Springs
3 Balance Wheels, Complete
3 Hand Sets
3 Alarm Sets
2 Time Keys
2 Alarm Keys
3 Hair Springs
4 Alarm Springs
12 Click Springs
18 Hands, Assorted
6 Glasses
1 each Time Main, Time Escape, Second, Third, AlarmEscape and Alarm Main Wheel.

At catalog price material costs over $2.00. Assortment price $1.50. Postage paid if cash accompanies order.
All Special Assortment parts fit America and some fit Lookout, Ironclad and Sleep-Meter.

America Parts



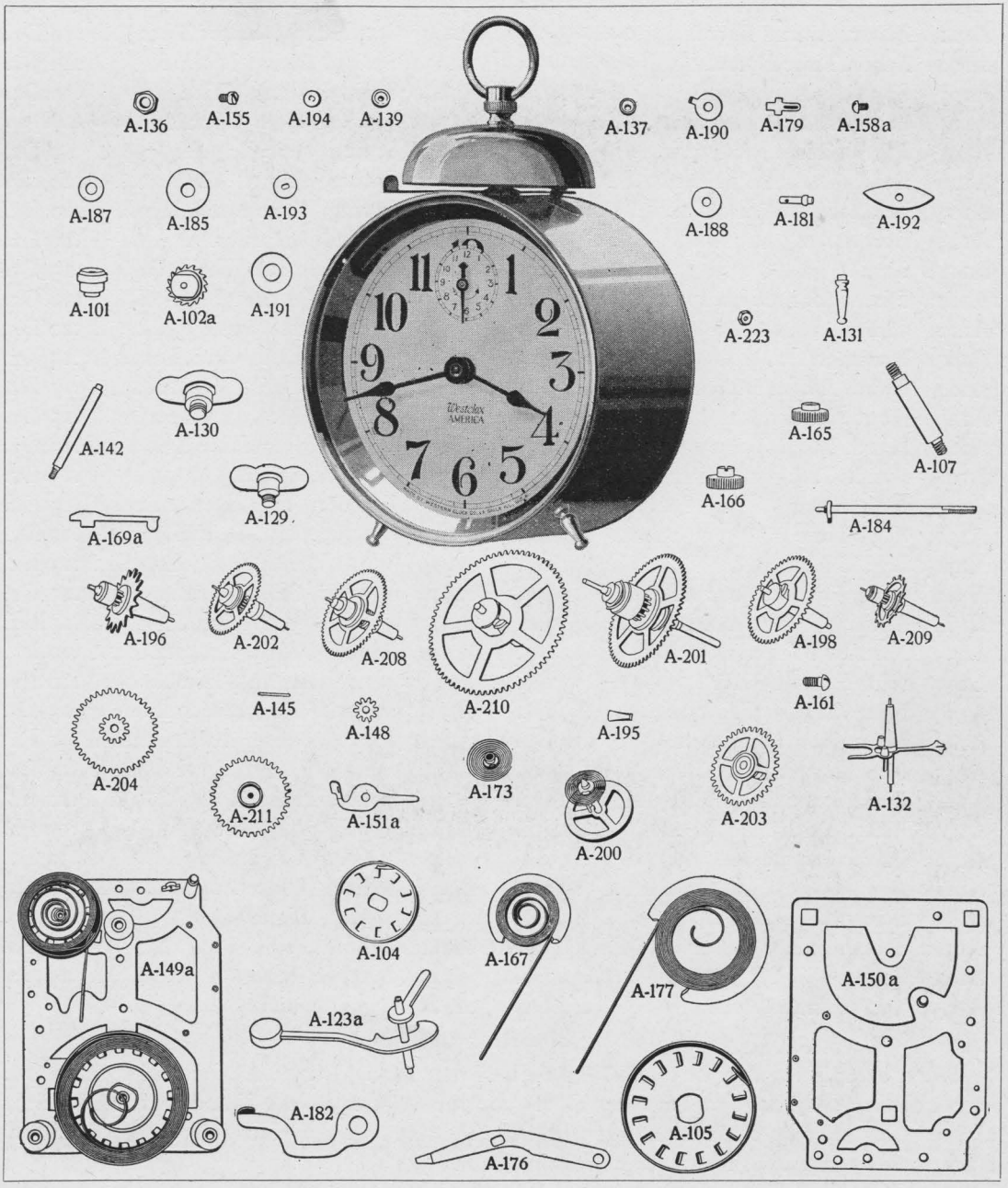
America Parts

No.	*Part*	*Price*
A101	Arbor, Alarm Barrel	*Order Back Plate*
A102	Arbor, Time Barrel	*Order Back Plate*
A104	Barrel, Alarm Mainspring	*Order Back Plate*
A105	Barrel, Time Mainspring	*Order Back Plate*
*A106	Bell	.15 Ea.
A107	Bell Stand	.05 Ea.
*A108	Bezel	.10 Ea.
*A109	Bow	.05 Ea.
*A114	Case	.20 Ea.
*A120	Dial, Mounted on Plate	.05 Ea.
*A122	Glass	.60 Dz.
A123	Hammer	.05 Ea.
*A124	Hand, Alarm Indicator	.10 Dz.
*A125	Hand, Hour	.15 Dz.
*A126	Hand, Minute	.15 Dz.
*A128	Head, Case	.05 Ea.
A129	Key, Alarm	.40 Dz.
A130	Key, Time	.40 Dz.
A131	Leg, Case	.40 Dz.
A132	Lever (Pallet, Fork & Arbor)	.05 Ea.
*A134	Matting	.10 Ea.
A136	Nut, Bell Stand	.15 Dz.
A137	Nut, Fourth Pillar	.15 Dz.
A139	Nut, Trip Staff Friction	.15 Dz.
A142	Pillar, Fourth	.20 Dz.
A145	Pin, Motion Wheel	.15 Dz.
A148	Pinion, Shuck	.20 Dz.
A149	Plate, Back	.20 Ea.
A150	Plate, Front	.15 Ea.
A151	Regulator	.30 Dz.
A155	Screw, Balance	.15 Dz.
A158	Screw, Case	.15 Dz.
A161	Screw, Pillar	.15 Dz.
A165	Set, Alarm	.40 Dz.
A166	Set, Hand (Center Turn)	.40 Dz.
A167	Spring, Alarm Main	.40 Dz.
A170	Spring, Click	.10 Dz.
A171	Spring, Dial, Double	.15 Dz.
A172	Spring, Dial, Single	.15 Dz.
A173	Spring, Hair	.60 Dz.
A176	Spring, Trip	.20 Dz.
A177	Spring, Time Main	.60 Dz.
A179	Stud, Hairspring	.10 Dz.
A181	Stud, Motion Wheel	.15 Dz.
A182	Switch (Alarm Shut-off)	.30 Dz.
A184	Trip Staff	.20 Dz.
A185	Washer, Bell Stand, Large	.15 Dz.
A187	Washer, Leg	.15 Dz.
A188	Washer, Motion Wheel	.15 Dz.
A190	Washer, Regulator	.15 Dz.
A191	Washer, Switch	.15 Dz.
A192	Washer, Trip Staff Friction	.15 Dz.
A193	Washer, Trip Staff, Large	.15 Dz.
A194	Washer, Trip Staff, Small	.15 Dz.
A194	Washer, Alarm Set	.15 Dz.
A195	Wedge, Hairspring	.15 Dz.
A196	Wheel, Alarm Escape	.10 Ea.
A198	Wheel, Alarm Main	.10 Ea.
A200	Wheel, Balance, with hairsp'g	.15 Ea.
A201	Wheel, Center	.10 Ea.
A202	Wheel, Fourth	.10 Ea.
A203	Wheel, Hour	.10 Ea.
A204	Wheel, Motion	.10 Ea.
A208	Wheel, Third	.10 Ea.
A209	Wheel, Time Escape	.10 Ea.
A210	Wheel, Time Main	.10 Ea.
A211	Wheel, Trip	.10 Ea.

* Not separately illustrated

In the America, Lookout and Sleep-Meter the alarm spring can be replaced without taking the clock entirely apart. Loosen the third pillar, spring the plate slightly, remove the hammer lever, the alarm escape wheel, and the alarm main wheel. The spring may then be taken out, a new one put in, and the parts assembled as they were taken down. Care must be taken not to spring the plate too much.

America—1918 Model



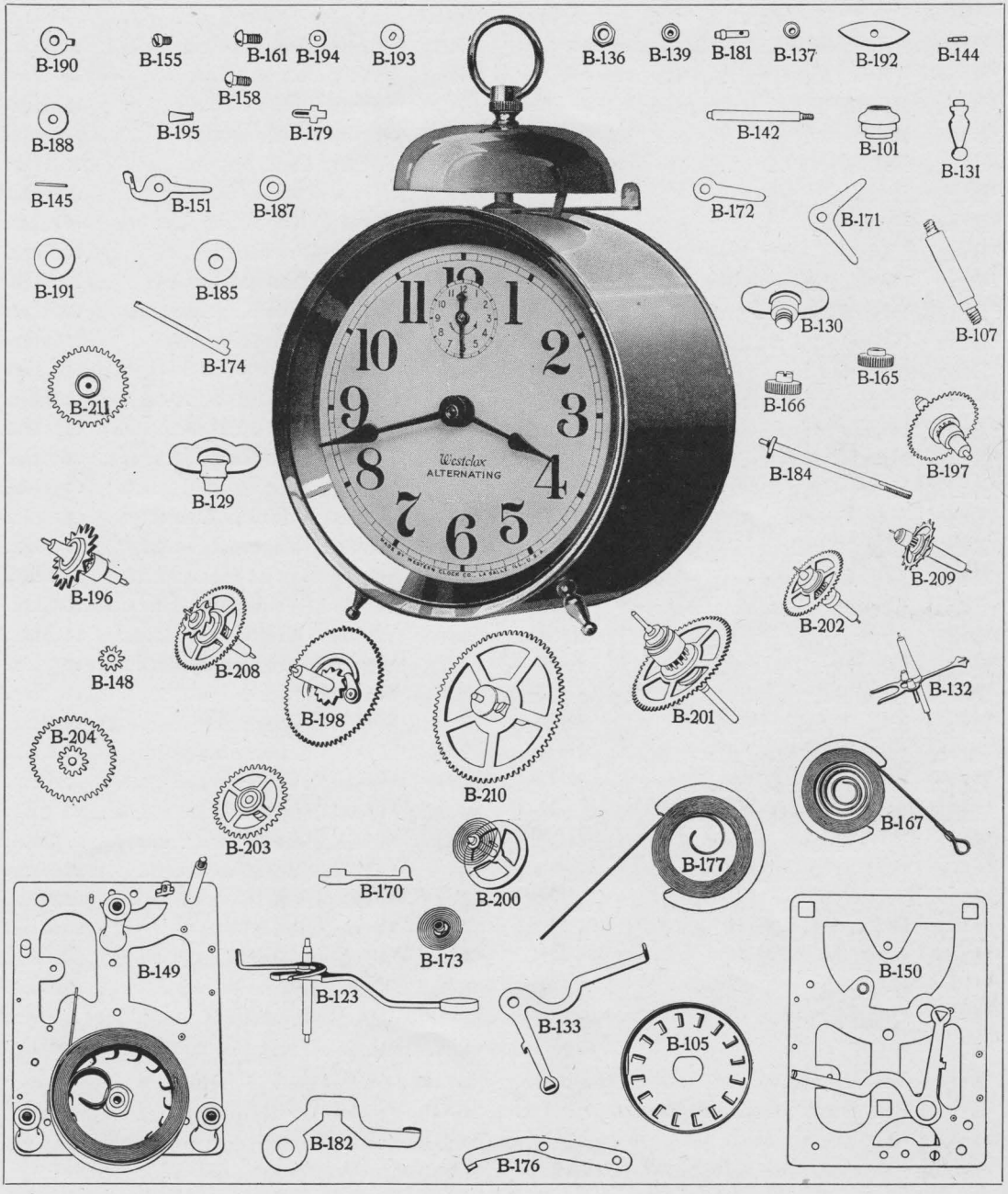
America—1918 Model

No.	*Part*	*Price*
A101	Arbor, Alarm Barrel	*Order Back Plate*
A102a	Arbor, Time Barrel	*Order Back Plate*
*A103	Back	.15 Ea.
A104	Barrel, Alarm Mainspring	*Order Back Plate*
A105	Barrel, Time Mainspring	*Order Back Plate*
*A106	Bell	.15 Ea.
A107	Bell Stand	.05 Ea.
*A109	Bow	.05 Ea.
*A114a	Case	.20 Ea.
*A120a	Dial, Mounted on Plate	.05 Ea.
*A122	Glass	.60 Dz.
A123a	Hammer	.05 Ea.
*A124	Hand, Alarm Indicator	.10 Dz.
*A125	Hand, Hour	.15 Dz.
*A126	Hand, Minute	.15 Dz.
*A128	Head, Case	.05 Ea.
A129	Key, Alarm	.40 Dz.
A130	Key, Time	.40 Dz.
A131	Leg, Case	.40 Dz.
A132	Lever (Pallet, Fork & Abror)	.05 Ea.
*A134	Matting	.10 Ea.
A136	Nut, Bell Stand	.15 Dz.
A137	Nut, Fourth Pillar	.15 Dz.
A139	Nut, Trip Staff Friction	.15 Dz.
A142	Pillar, Fourth	.20 Dz.
A145	Pin, Motion Wheel	.15 Dz.
A148	Pinion, Shuck	.20 Dz.
A149a	Plate, Back	.20 Ea.
A150a	Plate, Front	.15 Ea.
A151a	Regulator	.30 Dz.
A155	Screw, Balance	.15 Dz.
A158a	Screw, Side Case	.15 Dz.
A161	Screw, Pillar	.15 Dz.
A165	Set, Alarm	.40 Dz.
A166	Set, Hand (Center Turn)	.40 Dz.
A167	Spring, Alarm Main	.40 Dz.
A169a	Spring, Alarm Click	.10 Dz.
*A170a	Spring, Time Click	*Order Back Plate*
A173	Spring, Hair	.60 Dz.
A176	Spring, Trip	.20 Dz.
A177	Spring, Time Main	.60 Dz.
A179	Stud, Hairspring	.10 Dz.
A181	Stud, Motion Wheel	.15 Dz.
A182	Switch (Alarm Shut-off)	.30 Dz.
A184	Trip Staff	.20 Dz.
A185	Washer, Bell Stand, Large	.15 Dz.
A187	Washer, Leg	.15 Dz.
A188	Washer, Motion Wheel	.15 Dz.
A190	Washer, Regulator	.15 Dz.
A191	Washer, Switch	.15 Dz.
A192	Washer, Trip Staff Friction	.15 Dz.
A193	Washer, Trip Staff, Large	.15 Dz.
A194	Washer, Trip Staff, Small	.15 Dz.
A194	Washer, Alarm Set	.15 Dz.
A195	Wedge, Hairspring	.15 Dz.
A196	Wheel, Alarm Escape	.10 Ea.
A198	Wheel, Alarm Main	.10 Ea.
A200	Wheel, Balance, with hairsp'g	.15 Ea.
A201	Wheel, Center	.10 Ea.
A202	Wheel, Fourth	.10 Ea.
A203	Wheel, Hour	.10 Ea.
A204	Wheel, Motion	.10 Ea.
A208	Wheel, Third	.10 Ea.
A209	Wheel, Time Escape	.10 Ea.
A210	Wheel, Time Main	.10 Ea.
A211	Wheel, Trip	.10 Ea.
A223	Nut, Casing	.15 Dz.
*A225	Click, Time	*Order Back Plate*

* Not separately illustrated

Always scratch the date of sale on the back of the clock. People are inclined to forget the length of time they have owned a clock. If you can show them the date of purchase plainly marked they have no come back. It will mean the sale of a new clock. It's a good idea to mark the date repaired, for the same reason.

Alternating Parts



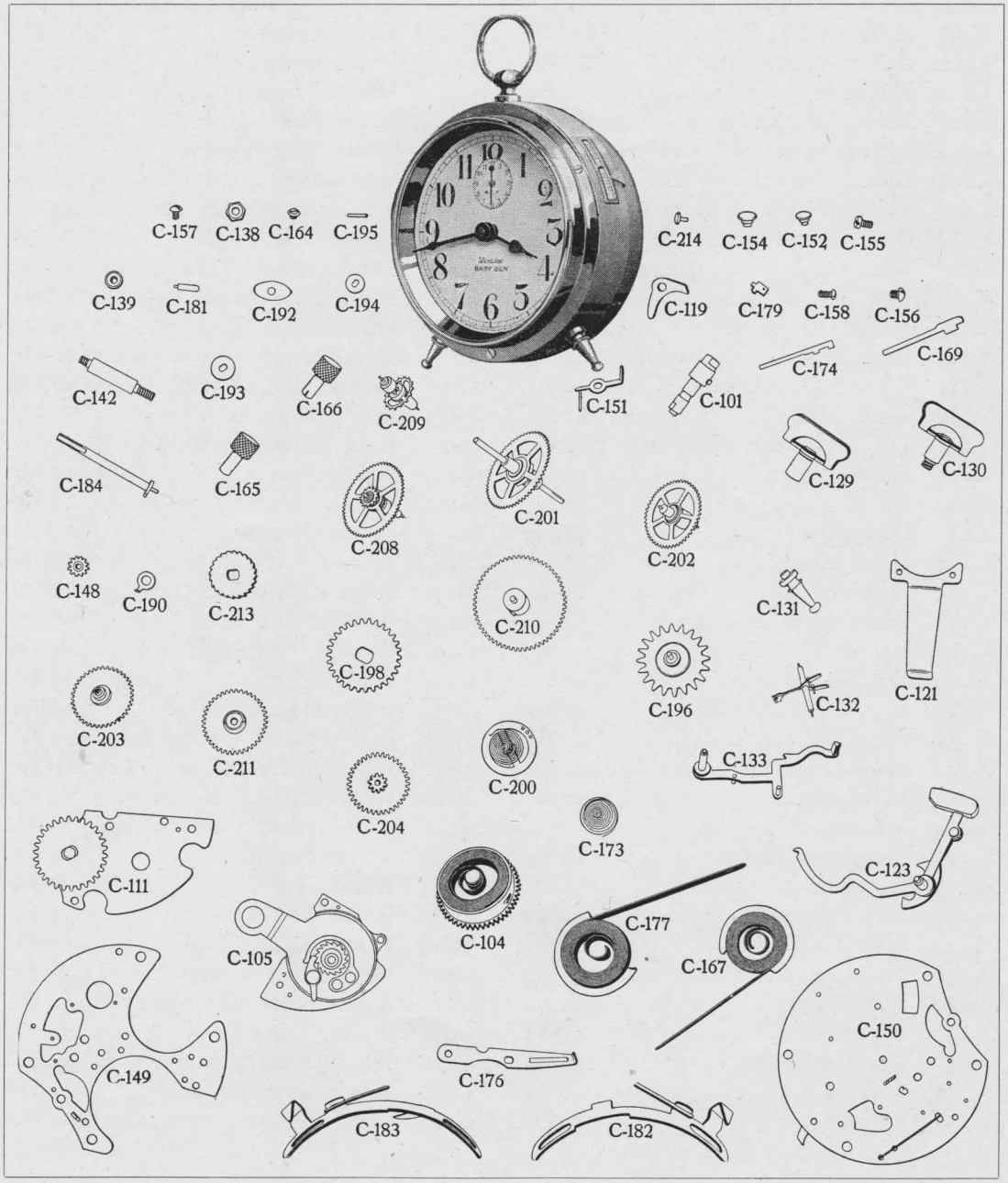
Alternating Parts

No.	*Part*	*Price*
B101	Arbor, Alarm	*Order Alarm Main Wheel*
*B102	Arbor, Time Barrel	*Order Back Plate*
B105	Barrel, Time Mainspring	*Order Back Plate*
*B106	Bell	.15 Ea.
B107	Bell Stand	.05 Ea.
*B108	Bezel	.15 Ea.
*B109	Bow	.05 Ea.
*B114	Case	.25 Ea.
*B119	Click, Alarm	*Order Alarm Main Wheel*
*B120	Dial, Mounted on Plate	.10 Ea.
*B122	Glass	.60 Dz.
B123	Hammer	.10 Ea.
*B124	Hand, Alarm Indicator	.10 Dz.
*B125	Hand, Hour	.15 Dz.
*B126	Hand, Minute	.15 Dz.
*B128	Head, Case	.05 Ea.
B129	Key, Alarm	.40 Dz.
B130	Key, Time	.40 Dz.
B131	Leg, Case	.40 Dz.
B132	Lever (Pallet, Fork & Arbor)	.05 Ea.
B133	Lever, Repeating	.05 Ea.
*B134	Matting	.10 Ea.
B136	Nut, Bell Stand	.15 Dz.
B137	Nut, Fourth Pillar	.15 Dz.
B139	Nut, Trip Staff Friction	.15 Dz.
B142	Pillar, Fourth	.20 Dz.
B144	Pin, Mainspring Guard	.10 Dz.
B145	Pin, Motion Wheel	.15 Dz.
B148	Pinion, Shuck	.20 Dz.
B149	Plate, Back	.20 Ea.
B150	Plate, Front	.15 Ea.
B151	Regulator	.30 Dz.
B155	Screw, Balance	.15 Dz.
B158	Screw, Case	.15 Dz.
B161	Screw, Pillar	.15 Dz.
B165	Set, Alarm	.40 Dz.
B166	Set, Hand (Center Turn)	.40 Dz.
B167	Spring, Alarm Main	.80 Dz.
*B169	Spring, Alarm Click	*Order Alarm Main Wheel*
B170	Spring, Time Click	.10 Dz.
B171	Spring, Dial, Double	.15 Dz.
B172	Spring, Dial, Single	.15 Dz.
B173	Spring, Hair	.60 Dz.
B174	Spring, Repeating Lever	.15 Dz.
B176	Spring, Trip	.20 Dz.
B177	Spring, Time Main	.60 Dz.
B179	Stud, Hairspring	.10 Dz.
*B180	Stud, Mainspring	.10 Dz.
B181	Stud, Motion Wheel	.15 Dz.
B182	Switch (Alarm Shut-off)	.30 Dz.
B184	Trip Staff	.20 Dz.
B185	Washer, Bell Stand, Large	.15 Dz.
B187	Washer, Leg	.15 Dz.
B188	Washer, Motion Wheel	.15 Dz.
B190	Washer, Regulator	.15 Dz.
B191	Washer, Switch	.15 Dz.
B192	Washer, Trip Staff Friction	.15 Dz.
B193	Washer, Trip Staff, Large	.15 Dz.
B194	Washer, Trip Staff, Small	.15 Dz.
B194	Washer, Alarm Set	.15 Dz.
B195	Wedge, Hairspring	.15 Dz.
B196	Wheel, Alarm Escape	.10 Ea.
B197	Wheel, Intermediate	.10 Ea.
B198	Wheel, Alarm Main	.10 Ea.
B200	Wheel, Balance, with hairsp'g	.15 Ea.
B201	Wheel, Center	.10 Ea.
B202	Wheel, Fourth	.10 Ea.
B203	Wheel, Hour	.10 Ea.
B204	Wheel, Motion	.10 Ea.
B208	Wheel, Third	.10 Ea.
B209	Wheel, Time Escape	.10 Ea.
B210	Wheel, Time Main	.10 Ea.
B211	Wheel, Trip	.10 Ea.
*B225	Click, Time	*Order Back Plate*

* Not separately illustrated

A good many parts are interchangeable. You'll get onto this in handling Westclox repairs.

Baby Ben Parts

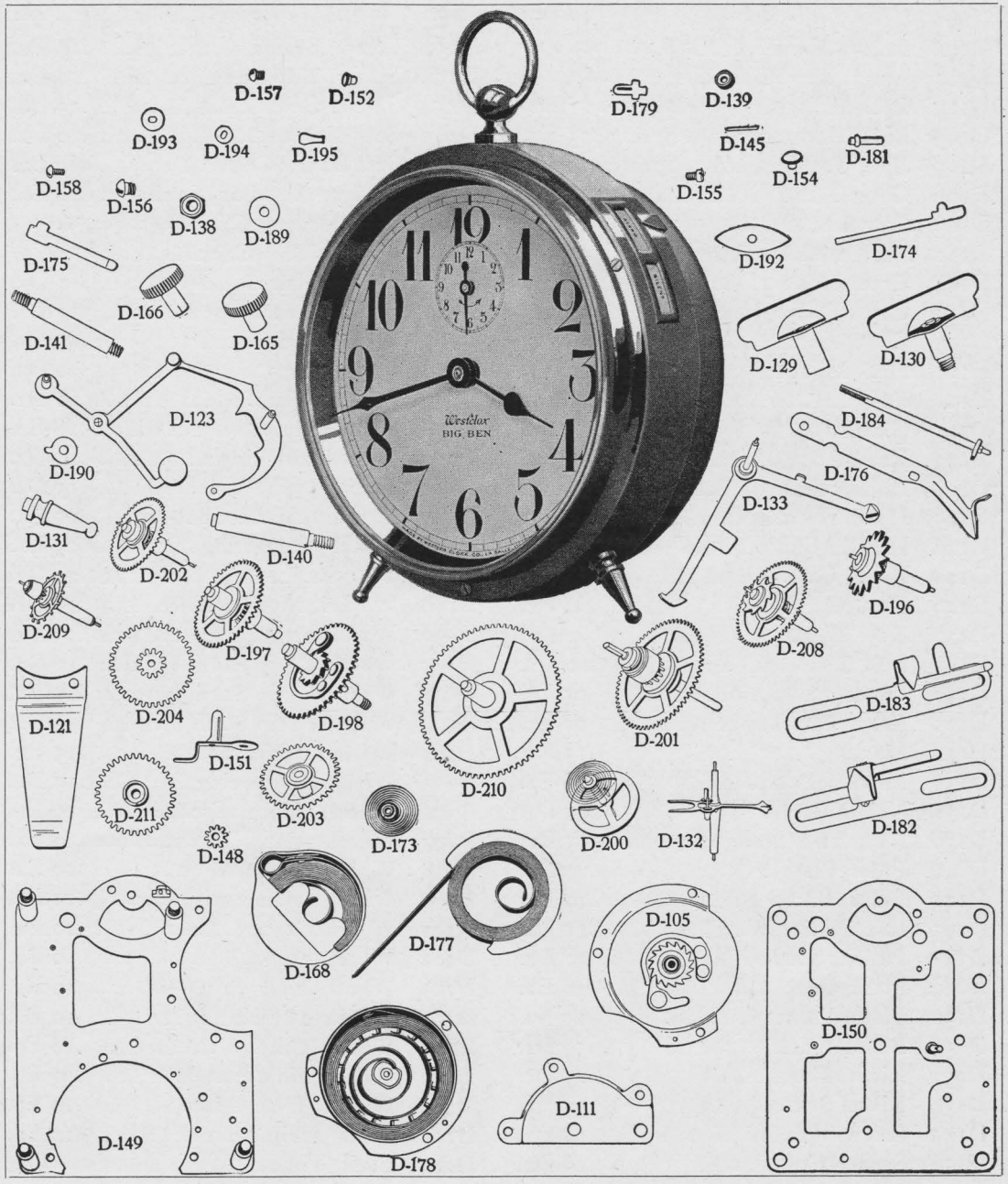


Baby Ben Parts

No.	*Part*	*Price*
C101	Arbor, Alarm Barrel	.05 Ea.
*C102	Arbor, Time Barrel	*Order Bridge*
C104	Bbl. Alarm, with Spring	.20 Ea.
*C104c	Barrel, Al. Mainsp'g.	*Order spring in Barrel*
C104	Spring, Alarm Main, in Barrel	.20 Ea.
*C105c	Bbl., T. Main, without Sp'g	.15 Ea.
C105	Bridge, with Time Bbl. & Sp'g	.20 Ea.
C105	Spring, Time Main, in Barrel	.20 Ea.
*C106	Gong	.20 Ea.
*C109	Bow	.05 Ea.
C111	Bridge, Alarm Barrel	.05 Ea.
*C114	Case, Front	.25 Ea.
*C115	Case, Body (Inner)	.20 Ea.
C119	Click, Alarm	.15 Dz.
*C120	Dial, Mounted on Plate	.05 Ea.
C121	Foot	.30 Dz.
*C122	Glass	.60 Dz.
C123	Hammer	.10 Ea.
*C124	Hand, Alarm Indicator	.10 Dz.
*C125	Hand, Hour	.15 Dz.
*C126	Hand, Minute	.15 Dz.
*C128	Head, Case	.05 Ea.
C129	Key, Alarm	.40 Dz.
C130	Key, Time	.40 Dz.
C131	Leg, Case	.40 Dz.
C132	Lever (Pallet, Fork & Arbor)	.05 Ea.
C133	Lever, Repeating	.05 Ea.
*C134	Matting	.10 Ea.
*C135	Movement Holder	.15 Ea.
C138	Nut, Pillar	.15 Dz.
C139	Nut, Trip Staff Friction	.15 Dz.
C142	Pillar	.20 Dz.
C148	Pinion, Shuck	.20 Dz.
C149	Plate, Back	.20 Ea.
C150	Plate, Front	.15 Ea.
C151	Regulator	.30 Dz.
C152	Rivet, Foot	.15 Dz.
C154	Rivet, Switch	.15 Dz.
C155	Screw, Balance	.15 Dz.
C156	Screw, Gong	.15 Dz.
C157	Screw, Bridge	.15 Dz.
C158	Screw, Case	.15 Dz.
C164	Screw, Trip Spring	.15 Dz.
C165	Set, Alarm	.40 Dz.
C166	Set, Hand (Center Turn)	.40 Dz.
C167	Spring, Alarm Main	.80 Dz.
C169	Spring, Alarm Click	.10 Dz.
*C170	Spring, Time Click	*Order Bridge*
C173	Spring, Hair	.60 Dz.
C174	Spring, Repeating Lever	.15 Dz.
C176	Spring, Trip	.20 Dz.
C177	Spring, Time Main	.80 Dz.
C179	Stud, Hairspring	.10 Dz.
C181	Stud, Motion	.15 Dz.
C182	Switch (Alarm Shut-off)	.05 Ea.
C183	Switch, Repeating	.05 Ea.
C184	Trip Staff	.20 Dz.
C190	Washer, Regulator	.15 Dz.
C192	Washer, Trip Staff Friction	.15 Dz.
C193	Washer, Trip Staff, Large	.15 Dz.
C194	Washer, Trip Staff, Small	.15 Dz.
C195	Wedge, Hairspring	.15 Dz.
C196	Wheel, Alarm Escape	.10 Ea.
C198	Wheel, Alarm Main	.10 Ea.
C200	Wheel, Balance, with hairsp'g	.15 Ea.
C201	Wheel, Center	.10 Ea.
C202	Wheel, Fourth	.10 Ea.
C203	Wheel, Hour	.10 Ea.
C204	Wheel, Motion	.10 Ea.
C208	Wheel, Third	.10 Ea.
C209	Wheel, Time Escape	.10 Ea.
C210	Wheel, Time Main	.10 Ea.
C211	Wheel, Trip	.10 Ea.
C213	Wheel, Alarm Ratchet	.10 Ea.
C214	Rivet, Alarm Click	.15 Dz.
*C225	Click, Time	*Order Bridge*

* Not separately illustrated

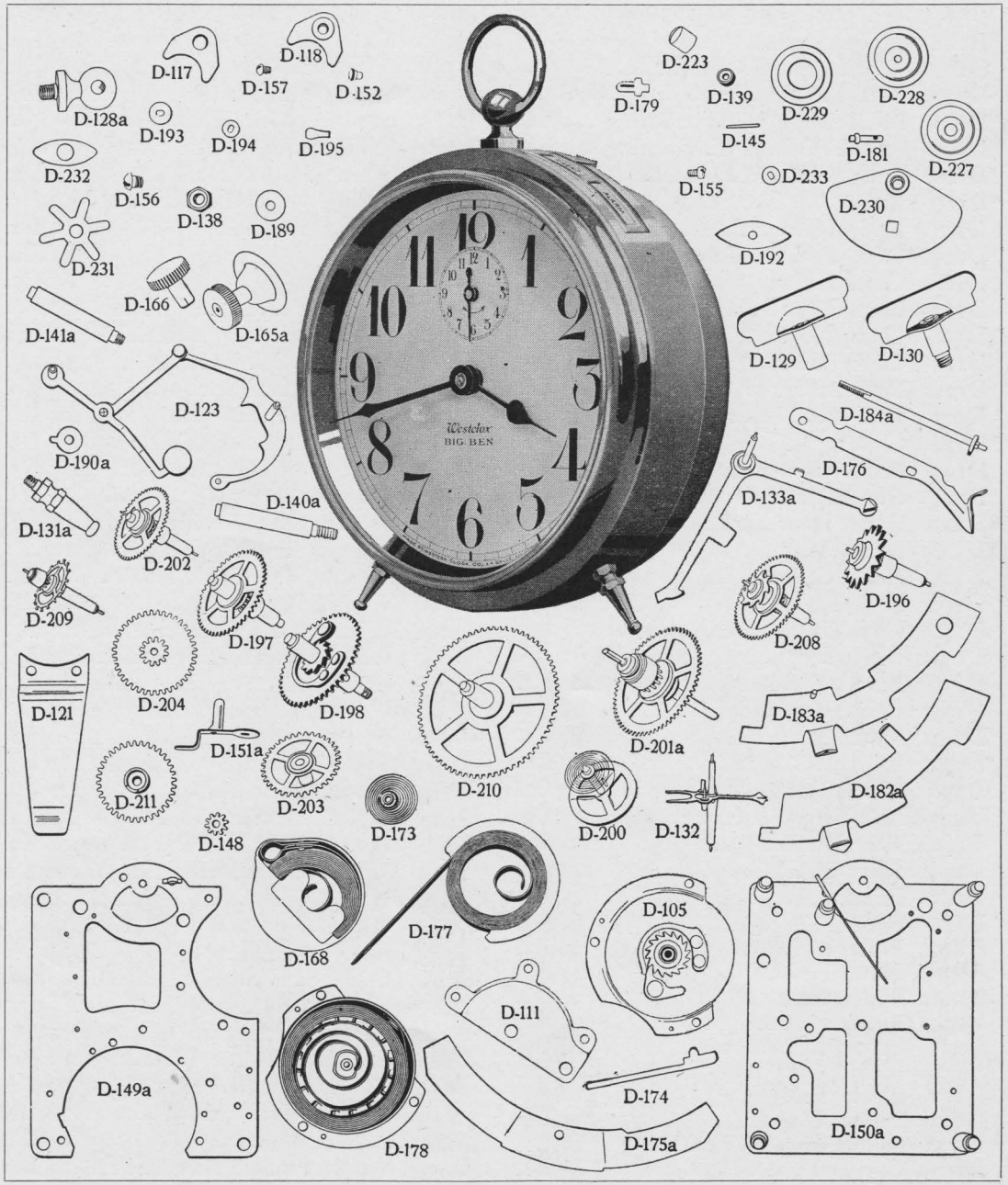
Big Ben Parts



Big Ben Parts

No.	*Part*	*Price*
*D101	Arbor, Alarm	*Order Alarm Main Wheel*
*D102	Arbor, Time Barrel	*Order Bridge*
*D104	Bbl., Al. Mainsp'g	*Order Alarm Mainsp'g in Bbl.*
*D105c	Bbl, T. Main, without Spring	.15 Ea.
D105	Bbl., T. Main, with Spring	.20 Ea.
*D106	Gong	.35 Ea.
*D109	Bow	.05 Ea.
D111	Bridge, Alarm Barrel	.05 Ea.
*D114	Case, Front	.50 Ea.
*D115	Case, Body (Inner)	.30 Ea.
*D119	Click, Alarm	*Order Alarm Main Wheel*
*D120	Dial, Mounted on Plate	.10 Ea.
D121	Foot	.30 Dz.
*D122	Glass	.75 Dz.
D123	Hammer	.10 Ea.
*D124	Hand, Alarm Indicator	.10 Dz.
*D125	Hand, Hour	.15 Dz.
*D126	Hand, Minute	.15 Dz.
*D128	Head, Case	.10 Ea.
D129	Key, Alarm	.60 Dz.
D130	Key, Time	.60 Dz.
D131	Leg, Case	.60 Dz.
D132	Lever (Pallet, Fork & Arbor)	.05 Ea.
D133	Lever, Repeating	.05 Ea.
*D134	Matting	.15 Ea.
*D135	Movement Holder	.15 Ea.
D138	Nut, Pillar	.15 Dz.
D139	Nut, Trip Staff Friction	.15 Dz.
D140	Pillar, Plate	.20 Dz.
D141	Pillar, Barrel Bridge	.20 Dz.
D145	Pin, Motion Wheel	.15 Dz.
D148	Pinion, Shuck	.20 Dz.
D149	Plate, Back	.20 Ea.
D150	Plate, Front	.15 Ea.
D151	Regulator	.30 Dz.
D152	Rivet, Foot	.15 Dz.
D154	Rivet, Switch	.15 Dz.
D155	Screw, Balance	.15 Dz.
D156	Screw, Gong	.15 Dz.
D157	Screw, Bridge	.15 Dz.
D157	Screw, Trip Spring	.15 Dz.
D158	Screw, Case	.15 Dz.
D165	Set, Alarm	.60 Dz.
D166	Set, Hand (Center Turn)	.60 Dz.
D168	Spring, Al. Main, in Barrel	.20 Ea.
*D169	Spring, Alarm Click	*Order Alarm Main Whee*
*D170	Spring, Time Click	*Order Bridge*
D173	Spring, Hair	.60 Dz.
D174	Spring, Repeating Lever	.15 Dz.
D175	Spring, Switch	.15 Dz.
D176	Spring, Trip	.20 Dz.
D177	Spring, Time Main	.60 Dz.
D178	Spring, Time Main, in Barrel	.20 Ea.
D179	Stud, Hairspring	.10 Dz.
D181	Stud, Motion Wheel	.15 Dz.
D182	Switch (Alarm Shut-off)	.05 Ea.
D183	Switch, Repeating	.05 Ea.
D184	Trip Staff	.20 Dz.
D189	Washer, Motion Wheel	.15 Dz.
D190	Washer, Regulator	.15 Dz.
D192	Washer, Trip Staff Friction	.15 Dz.
D193	Washer, Trip Staff, Large	.15 Dz.
D194	Washer, Trip Staff, Small	.15 Dz.
D194	Washer, Alarm Set	.15 Dz.
D195	Wedge, Hairspring	.15 Dz.
D196	Wheel, Alarm Escape	.10 Ea.
D197	Wheel, Alarm Intermediate	.10 Ea.
D198	Wheel, Alarm Main	.15 Ea.
D200	Wheel, Balance, with hairsp'g	.15 Ea.
D201	Wheel, Center	.10 Ea.
D202	Wheel, Fourth	.10 Ea.
D203	Wheel, Hour	.10 Ea.
D204	Wheel, Motion	.10 Ea.
D208	Wheel, Third	.10 Ea.
D209	Wheel, Time Escape	.10 Ea.
D210	Wheel, Time Main	.10 Ea.
D211	Wheel, Trip	.10 Ea.
*D225	Click, Time	*Order Bridge*

Big Ben—1918 Model

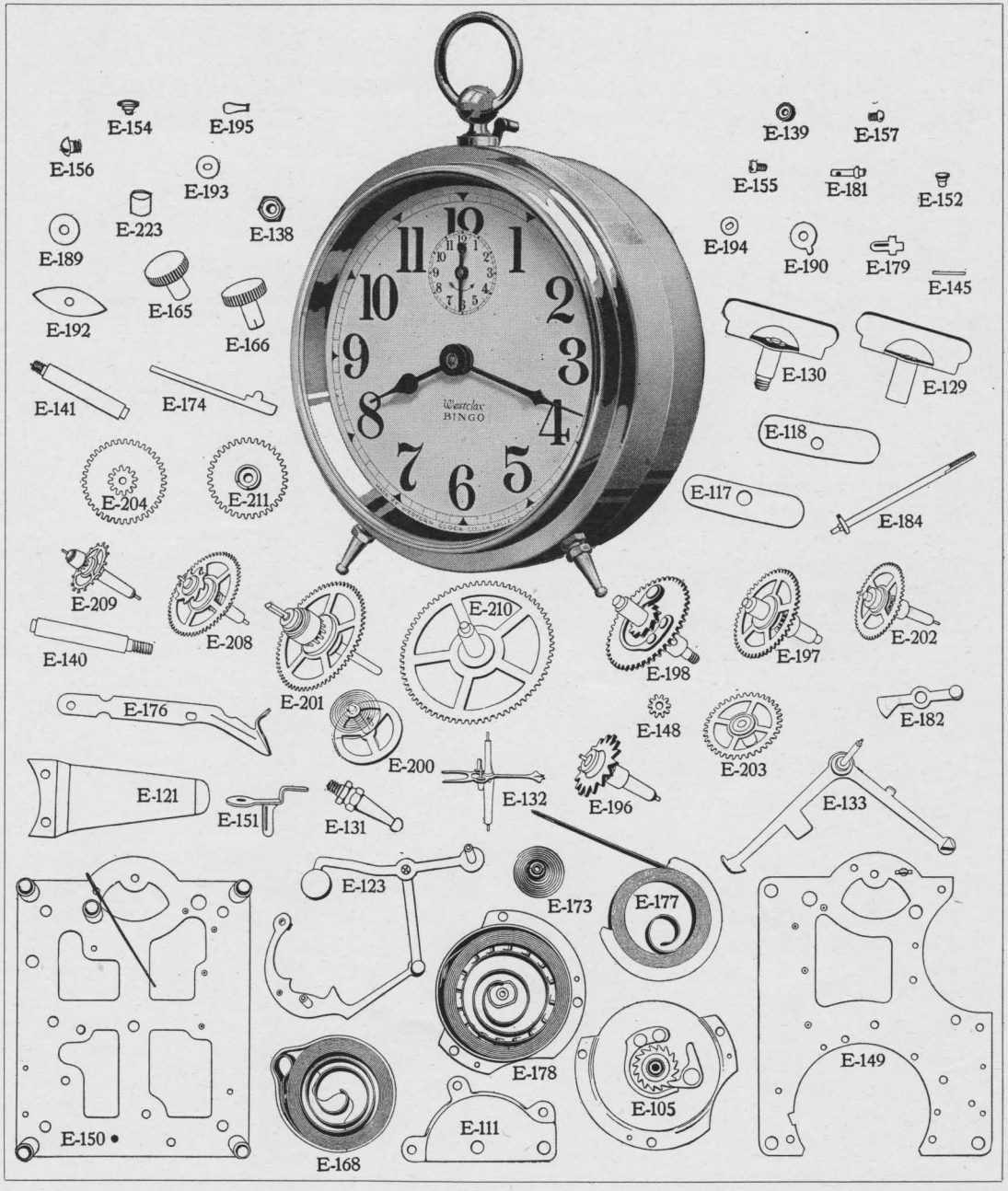


Big Ben—1918 Model

No.	*Part*	*Price*
*D101	Arbor, Alarm	*Order Alarm Main Wheel*
*D102	Arbor, Time Barrel	*Order Bridge*
*D104	Bbl., Al. Mainsp'g	*Order Alarm Mainsp'g in Bbl.*
*D105c	Bbl. T. Main, without Spring	.15 Ea.
D105	Bbl., T. Main, with Spring	.20 Ea.
*D106a	Gong	.35 Ea.
*D109	Bow	.05 Ea.
D111	Bridge, Alarm Barrel	.05 Ea.
*D114a	Case, Front	.50 Ea.
*D115a	Case, Body (Inner)	.30 Ea.
D117	Clamp, Head	.40 Dz.
D118	Clamp, Leg	.40 Dz.
*D119	Click, Alarm	*Order Alarm Main Wheel*
*D120a	Dial, Mounted on Plate	.10 Ea.
D121	Foot	.30 Dz.
*D122	Glass	.75 Dz.
D123	Hammer	.10 Ea.
*D124	Hand, Alarm Indicator	.10 Dz.
*D125	Hand, Hour	.15 Dz.
*D126	Hand, Minute	.15 Dz.
D128a	Head, Case	.10 Ea.
D129	Key, Alarm	.60 Dz.
D130	Key, Time	.60 Dz.
D131a	Leg, Case	.60 Dz.
D132	Lever (Pallet, Fork & Arbor)	.05 Ea.
D133a	Lever, Repeating	.05 Ea.
*D134	Matting	.15 Ea.
*D135a	Movement Holder	.15 Ea.
D138	Nut, Pillar	.15 Dz.
D139	Nut, Trip Staff Friction	.15 Dz.
D140a	Pillar, Plate	.20 Dz.
D141a	Pillar, Fifth	.20 Dz.
D145	Pin, Motion Wheel	.15 Dz.
D148	Pinion, Shuck	.20 Dz.
D149a	Plate, Back	.20 Ea.
D150a	Plate, Front	.15 Ea.
D151a	Regulator	.30 Dz.
D152	Rivet, Foot	.15 Dz.
D155	Screw, Balance	.15 Dz.
D156	Screw, Gong	.15 Dz.
D157	Screw, Bridge	.15 Dz.
D157	Screw, Case	.15 Dz.
D157	Screw, Trip Spring	.15 Dz.
D165a	Cap, Dust, Al. Set (Including Set)	.60 Dz.

No.	*Part*	*Price*
D165a	Set, Alarm (Including Dust Cap)	.60 Dz.
D166	Set, Hand (Center Turn)	.60 Dz.
D168	Spring, Al. Main, in Barrel	.20 Ea.
*D169	Spring, Alarm Click	*Order Alarm Main Wheel*
*D170	Spring, Time Click	*Order Bridge*
D173	Spring, Hair	.60 Dz.
D174	Spring, Repeating Lever	.15 Dz.
D175a	Spring, Switch	.15 Dz.
D176	Spring, Trip	.20 Dz.
D177	Spring, Time Main	.60 Dz.
D178	Spring, Time Main, in Barrel	.20 Ea.
D179	Stud, Hairspring	.10 Dz.
D181	Stud, Motion Wheel	.15 Dz.
D182a	Switch (Alarm Shut-off)	.05 Ea.
D183a	Switch, Repeating	.05 Ea.
D184a	Trip Staff	.20 Dz.
D189	Washer, Motion Wheel	.15 Dz.
D190a	Washer, Regulator	.15 Dz.
D192	Washer, Trip Staff Friction	.15 Dz.
D193	Washer, Trip Staff, Large	.15 Dz.
D194	Washer, Trip Staff, Small	.15 Dz.
D195	Wedge, Hairspring	.15 Dz.
D196	Wheel, Alarm Escape	.10 Ea.
D197	Wheel, Alarm Intermediate	.10 Ea.
D198	Wheel, Alarm Main	.15 Ea.
D200	Wheel, Balance, with hairsp'g	.15 Ea.
D201a	Wheel, Center	.10 Ea.
D202	Wheel, Fourth	.10 Ea.
D203	Wheel, Hour	.10 Ea.
D204	Wheel, Motion	.10 Ea.
D208	Wheel, Third	.10 Ea.
D209	Wheel, Time Escape	.10 Ea.
D210	Wheel, Time Main	.10 Ea.
D211	Wheel, Trip	.10 Ea.
D223	Nut, Casing	.15 Dz.
*D225	Click, Time	*Order Bridge*
D227	Cap, Dust, Alarm Wind	.15 Dz.
D228	Cap, Dust, Hand Set	.15 Dz.
D229	Cap, Dust, Time Wind	.15 Dz.
D230	Cover, Dust, Regulator	.15 Dz.
D231	Spring, Regul'r, Dust Cover	.20 Dz.
D232	Washer, Al. or T. Set, Dust Cap Friction	.15 Dz.
D233	Washer, Small, Alarm Set	.15 Dz.

Bingo Parts


E-154
E-195
E-156
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E-223
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E-211
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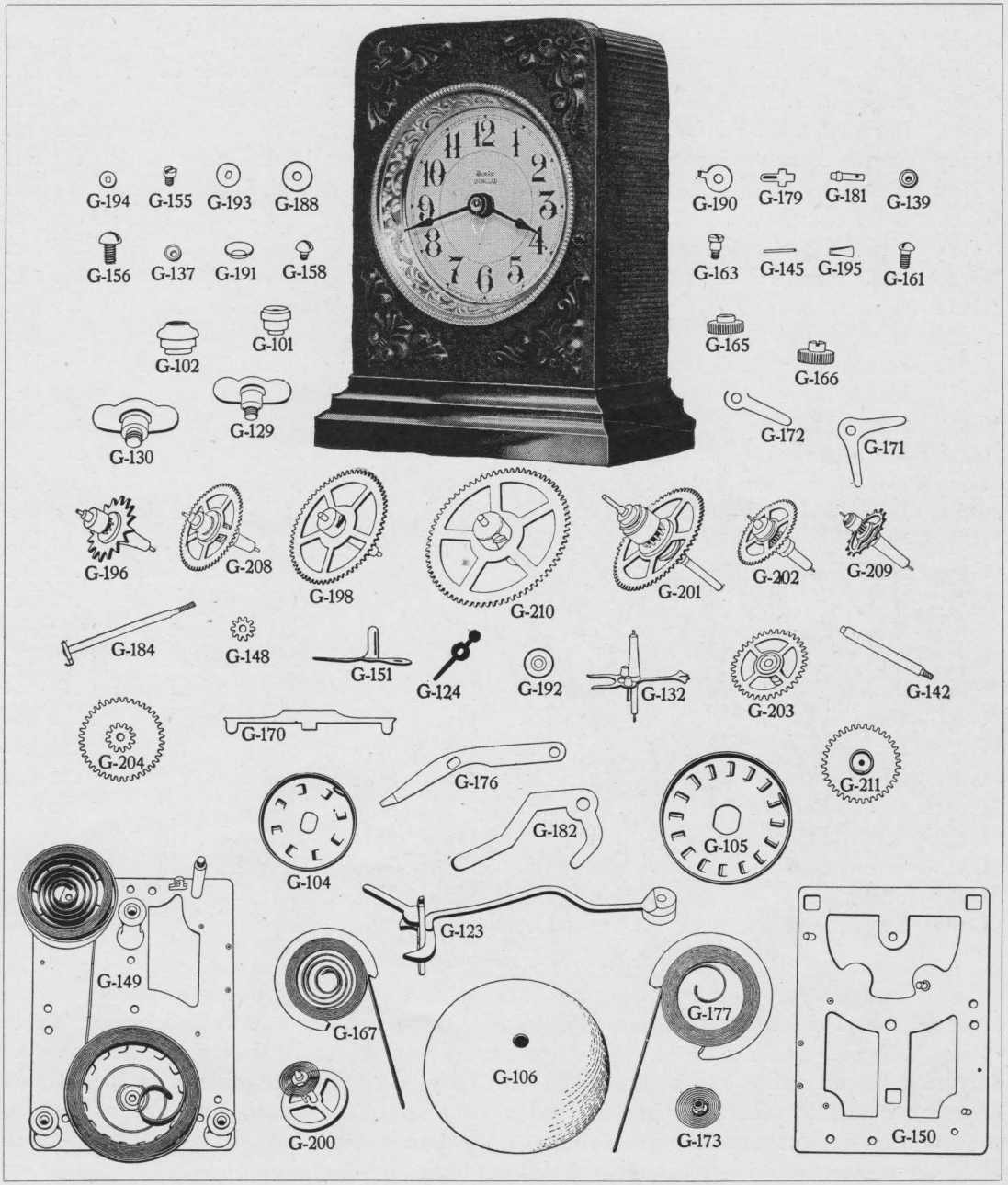
E-129
E-118
E-117
E-184
Westclox
BINGO

Bingo Parts

No.	*Part*	*Price*
*E101	Arbor, Alarm	*Order Alarm Main Wheel*
*E102	Arbor, Time Barrel	*Order Bridge*
*E104	Bbl., Al. Mainsp'g,	*Order Alarm Mainsp'g in Bbl.*
*E105c	Bbl., T. Main, Without Spring	.15 Ea.
E105	Bbl., T. Main, with Spring	.20 Ea.
*E106	Gong	.35 Ea.
*E109	Bow	.05 Ea.
E111	Bridge, Alarm Barrel	.05 Ea.
*E114	Case, Front	.40 Ea.
*E115	Case, Body (Inner)	.30 Ea.
E117	Clamp, Head	.40 Dz.
E118	Clamp, Leg	.40 Dz.
*E119	Click, Alarm	*Order Alarm Main Wheel*
*E120	Dial, Mounted on Plate	.10 Ea.
E121	Foot	.30 Dz.
*E122	Glass	.60 Dz.
E123	Hammer	.10 Ea.
*E124	Hand, Alarm Indicator	.10 Dz.
*E125	Hand, Hour	.15 Dz.
*E126	Hand, Minute	.15 Dz.
*E128	Head, Case	.10 Ea.
E129	Key, Alarm	.60 Dz.
E130	Key, Time	.60 Dz.
E131	Leg, Case	.60 Dz.
E132	Lever (Pallet, Fork & Arbor)	.05 Ea.
E133	Lever, Repeating	.05 Ea.
*E134	Matting	.15 Ea.
E138	Nut, Pillar	.15 Dz.
E139	Nut, Trip Staff Friction	.15 Dz.
E140	Pillar, Plate	.20 Dz.
E141	Pillar, Fifth	.20 Dz.
E145	Pin, Motion Wheel	.15 Dz.
E148	Pinion, Shuck	.20 Dz.
E149	Plate, Back	.20 Ea.
E150	Plate, Front	.15 Ea.
E151	Regulator	.30 Dz.
E152	Rivet, Foot	.15 Dz.
E154	Rivet, Switch	.15 Dz.
E155	Screw, Balance	.15 Dz.
E156	Screw, Gong	.15 Dz.
E157	Screw, Bridge	.15 Dz.
E157	Screw, Trip Spring	.15 Dz.
E165	Set, Alarm	.60 Dz.
E166	Set, Hand (Center Turn)	.60 Dz.
E168	Spring, Alarm Main, in Bbl.	.20 Ea.
*E169	Spring, Alarm Click	*Order Alarm Main Wheel*
*E170	Spring, Time Click	*Order Bridge*
E173	Spring, Hair	.60 Dz.
E174	Spring, Repeating Lever	.15 Dz.
E176	Spring, Trip	.20 Dz.
E177	Spring, Time Main	.60 Dz.
E178	Spring, Time Main, in Barrel	.20 Ea.
E179	Stud, Hairspring	.10 Dz.
E181	Stud, Motion Wheel	.15 Dz.
E182	Switch (Alarm Shut-off)	.05 Ea.
E184	Trip Staff	.20 Dz.
E189	Washer, Motion Wheel	.15 Dz.
E190	Washer, Regulator	.15 Dz.
E192	Washer, Trip Staff Friction	.15 Dz.
E193	Washer, Trip Staff, Large	.15 Dz.
E194	Washer, Trip Staff, Small	.15 Dz.
E194	Washer, Alarm Set	.15 Dz.
E195	Wedge, Hairspring	.15 Dz.
E196	Wheel, Alarm Escape	.10 Ea.
E197	Wheel, Alarm Intermediate	.10 Ea.
E198	Wheel, Alarm Main	.15 Ea.
E200	Wheel, Balance, with hairsp'g	.15 Ea.
E201	Wheel, Center	.10 Ea.
E202	Wheel, Fourth	.10 Ea.
E203	Wheel, Hour	.10 Ea.
E204	Wheel, Motion	.10 Ea.
E208	Wheel, Third	.10 Ea.
E209	Wheel, Time Escape	.10 Ea.
E210	Wheel, Time Main	.10 Ea.
E211	Wheel, Trip	.10 Ea.
E223	Nut, Casing	.15 Dz.
*E225	Click, Time	*Order Bridge*

* Not separately illustrated

Ironclad Parts



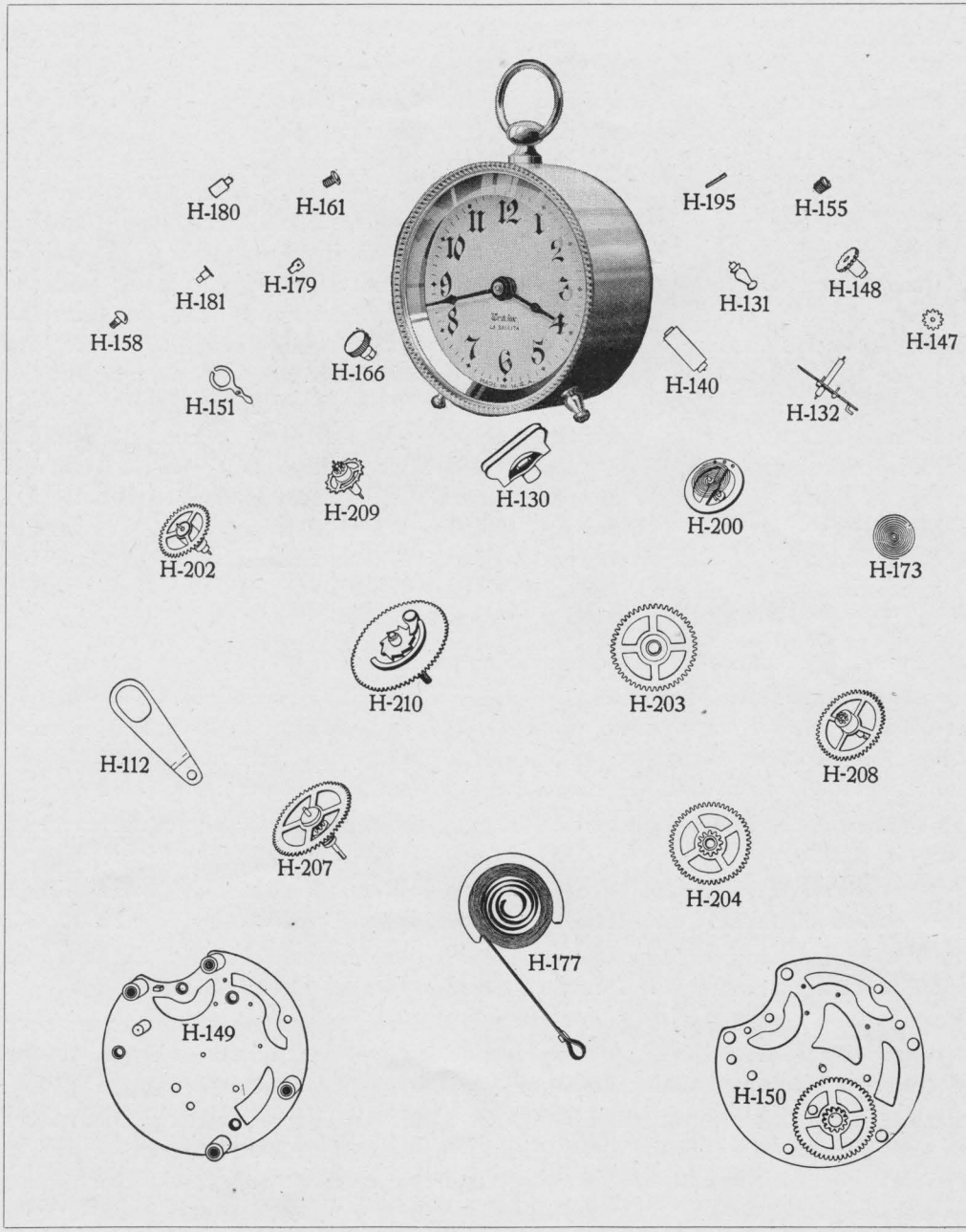
Ironclad Parts

No.	*Part*	*Price*
G101	Arbor, Alarm Barrel	*Order Back Plate*
G102	Arbor, Time Barrel	*Order Back Plate*
*G103	Back	.15 Ea.
G104	Barrel, Alarm Mainspring	*Order Back Plate*
G105	Barrel, Time Mainspring	*Order Back Plate*
G106	Bell	.15 Ea.
*G108	Bezel	.10 Ea.
*G114	Case, Nickel or Gunmetal	.60 Ea.
*G120	Dial, Mounted on Plate	.05 Ea.
*G122	Glass	.60 Dz.
G123	Hammer	.10 Ea.
G124	Hand, Alarm Indicator	.10 Dz.
*G125	Hand, Hour	.15 Dz.
*G126	Hand, Minute	.15 Dz.
G129	Key, Alarm	.40 Dz.
G130	Key, Time	.40 Dz.
G132	Lever (Pallet, Fork & Arbor)	.05 Ea.
*G134	Matting	.10 Ea.
G137	Nut, Fourth Pillar	.15 Dz.
G139	Nut, Trip Staff Friction	.15 Dz.
G142	Pillar, Fourth	.20 Dz.
G145	Pin, Motion Wheel	.15 Dz.
G148	Pinion, Shuck	.20 Dz.
G149	Plate, Back	.20 Ea.
G150	Plate, Front	.15 Ea.
G151	Regulator	.30 Dz.
G155	Screw, Balance	.15 Dz.
G156	Screw, Bell	.15 Dz.
G158	Screw, Case	.15 Dz.
G161	Screw, Pillar	.15 Dz.
G163	Screw, Switch	.15 Dz.
G165	Set, Alarm	.40 Dz.
G166	Set, Hand (Center Turn)	.40 Dz.
G167	Spring, Alarm Main	.40 Dz.
G170	Spring, Click	.10 Dz.
G171	Spring, Dial, Double	.15 Dz.
G172	Spring, Dial, Single	.15 Dz.
G173	Spring, Hair	.60 Dz.
G176	Spring, Trip	.20 Dz.
G177	Spring, Time Main	.60 Dz.
G179	Stud, Hairspring	.10 Dz.
G181	Stud, Motion Wheel	.15 Dz.
G182	Switch (Alarm Shut off)	.30 Dz.
G184	Trip Staff	.20 Dz.
G188	Washer, Motion Wheel	.15 Dz.
G190	Washer, Regulator	.15 Dz.
G191	Washer, Switch	.15 Dz.
G192	Washer, Trip Staff Friction	.15 Dz.
G193	Washer, Trip Staff, Large	.15 Dz.
G194	Washer, Trip Staff, Small	.15 Dz.
G195	Wedge, Hairspring	.15 Dz.
G196	Wheel, Alarm Escape	.10 Ea.
G198	Wheel, Alarm Main	.10 Ea.
G200	Wheel, Balance, with hairsp'g	.15 Ea.
G201	Wheel, Center	.10 Ea.
G202	Wheel, Fourth	.10 Ea.
G203	Wheel, Hour	.10 Ea.
G204	Wheel, Motion	.10 Ea.
G208	Wheel, Third	.10 Ea.
G209	Wheel, Time Escape	.10 Ea.
G210	Wheel, Time Main	.10 Ea.
G211	Wheel, Trip	.10 Ea.

* Not separately illustrated

If the nickel cases of alarm clocks show dark stains, the best way to remove them and restore the nickel to its former brightness is to use finely-powdered and washed crocus (oxide of iron), applied with a chamois. This removes all blemishes. If after this operation, the surface is a little dull, rub to a bright polish with dry putty powder (oxide of tin), sprinkled on another wash leather, and a brilliant polish will result. Dampness, if allowed to remain, renders the brightest nickel surface dull, but if the articles are wiped with a dry, soft cloth at frequent intervals, the crocus method will not be required.

La Sallita Parts



La Sallita Parts

No.	*Part*	*Price*	*No.*	*Part*	*Price*
*H108	Bezel	.10 Ea.	H155	Screw, Balance	.15 Dz.
*H109	Bow	.05 Ea.	H158	Screw, Case	.15 Dz.
H112	Bridge, Dial	.20 Dz.	H161	Screw, Pillar	.15 Dz.
*H114	Case, Nickel	.20 Ea.	H161	Screw, Dial Spring	.15 Dz.
*H120	Dial, Mounted on Plate	.10 Ea.	H166	Set, Hand (Center Turn)	.40 Dz.
*H122	Glass (Beveled)	1.20 Dz.	H173	Spring, Hair	.60 Dz.
*H125	Hand, Hour	.15 Dz.	H177	Spring, Time Main	.60 Dz.
*H126	Hand, Minute	.15 Dz.	H179	Stud, Hairspring	.10 Dz.
*H128	Head, Case	.05 Ea.	H180	Stud, Mainspring	.10 Dz.
H130	Key	.40 Dz.	H181	Stud, Motion Wheel	.15 Dz.
H131	Leg, Case	.40 Dz.	H195	Wedge, Hairspring	.15 Dz.
H132	Lever (Pallet, Fork & Arbor)	.05 Ea.	H200	Wheel, Balance with hairsp'g	.15 Ea.
*H134	Matting, Brass or Nickel	.10 Ea.	H202	Wheel, Fourth	.10 Ea.
H140	Pillar	.20 Dz.	H203	Wheel, Hour	.10 Ea.
H147	Pinion, Set	.15 Dz.	H204	Wheel, Motion	.10 Ea.
H148	Pinion, Shuck	.20 Dz.	H207	Wheel, Second	.10 Ea.
H149	Plate, Back	.10 Ea.	H208	Wheel, Third	.10 Ea.
H150	Plate, Front	.15 Ea.	H209	Wheel, Time Escape	.10 Ea.
H151	Regulator	.30 Dz.	H210	Wheel, Time Main	.10 Ea.

* Not separately illustrated

How to tighten the balance screw without taking off the dial.

On most Westclox it's possible to turn the balance screw with a pair of pliers. A tool used in the factory is a screw driver with the tip of the blade bent at right angles. This makes a very handy tool. You can always set the blade in the slot of the screw. It gives a good purchase, and enables you to make delicate adjustments on the balance screw.

The adjustment of the balance screw has a lot to do with the satisfactory performance of the clock.

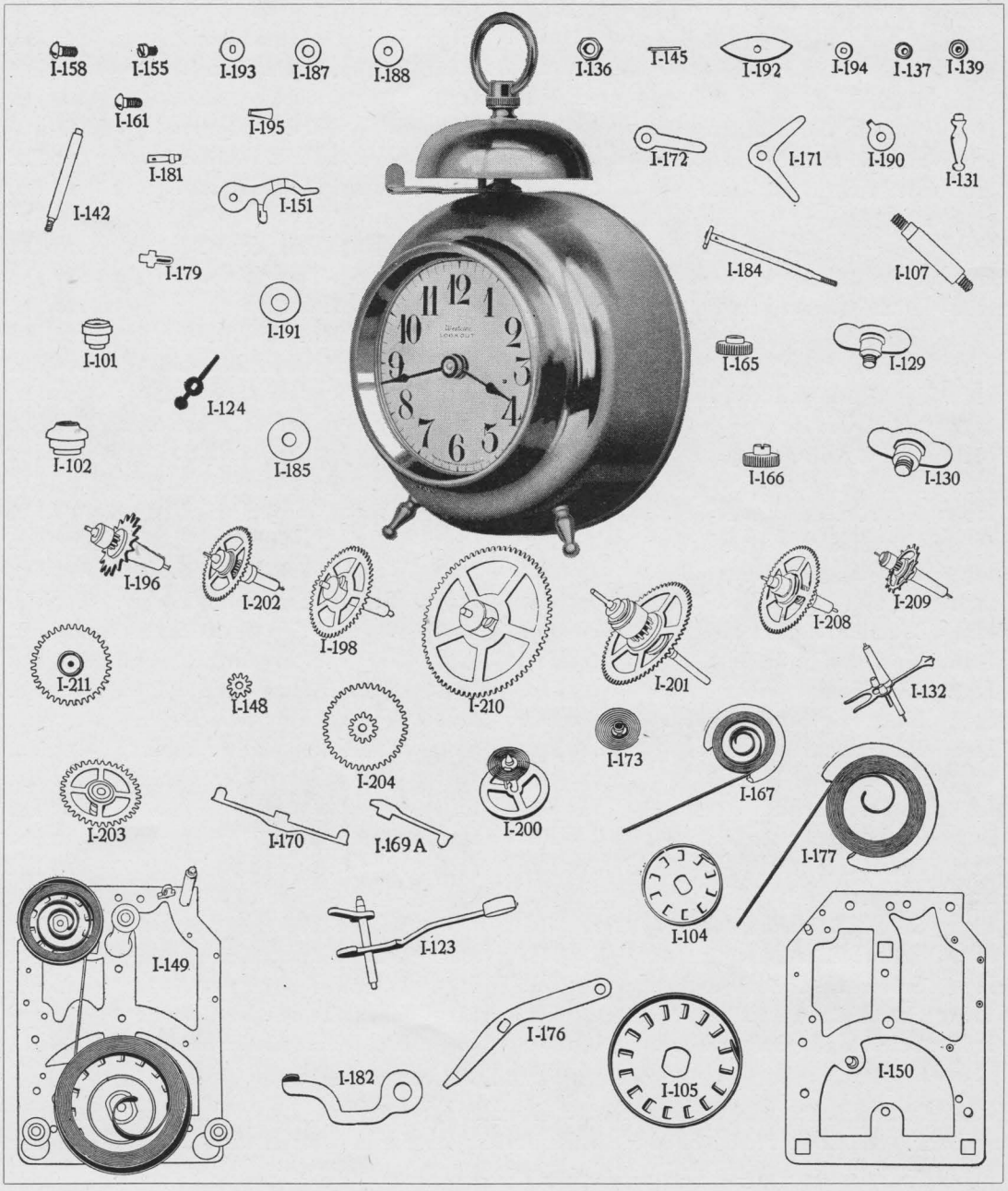
A Big Ben balance screw should be tightened gently, until it almost stops the balance wheel, then release it gradually until the wheel runs freely, with very little endshake.

On the lower priced clocks it is necessary to allow a little more endshake, as the plates are not so rigid, and a slight pressure of the case will cause it to stop if the balance screw is too tight.

The balance wheel should have a slight play from end to end, but should never be loose enough so the point wobbles loosely from side to side in the balance screw. The point of the balance staff should have very little side motion.

Another thing to look out for in recasing the new model Big Ben is the dust guard for the regulator opening. Be sure that the hole slips over the head of the balance screw, or setting the screws in the back of the case will force the balance screw down and cramp the balance staff and stop the clock.

Lookout Parts



Lookout Parts

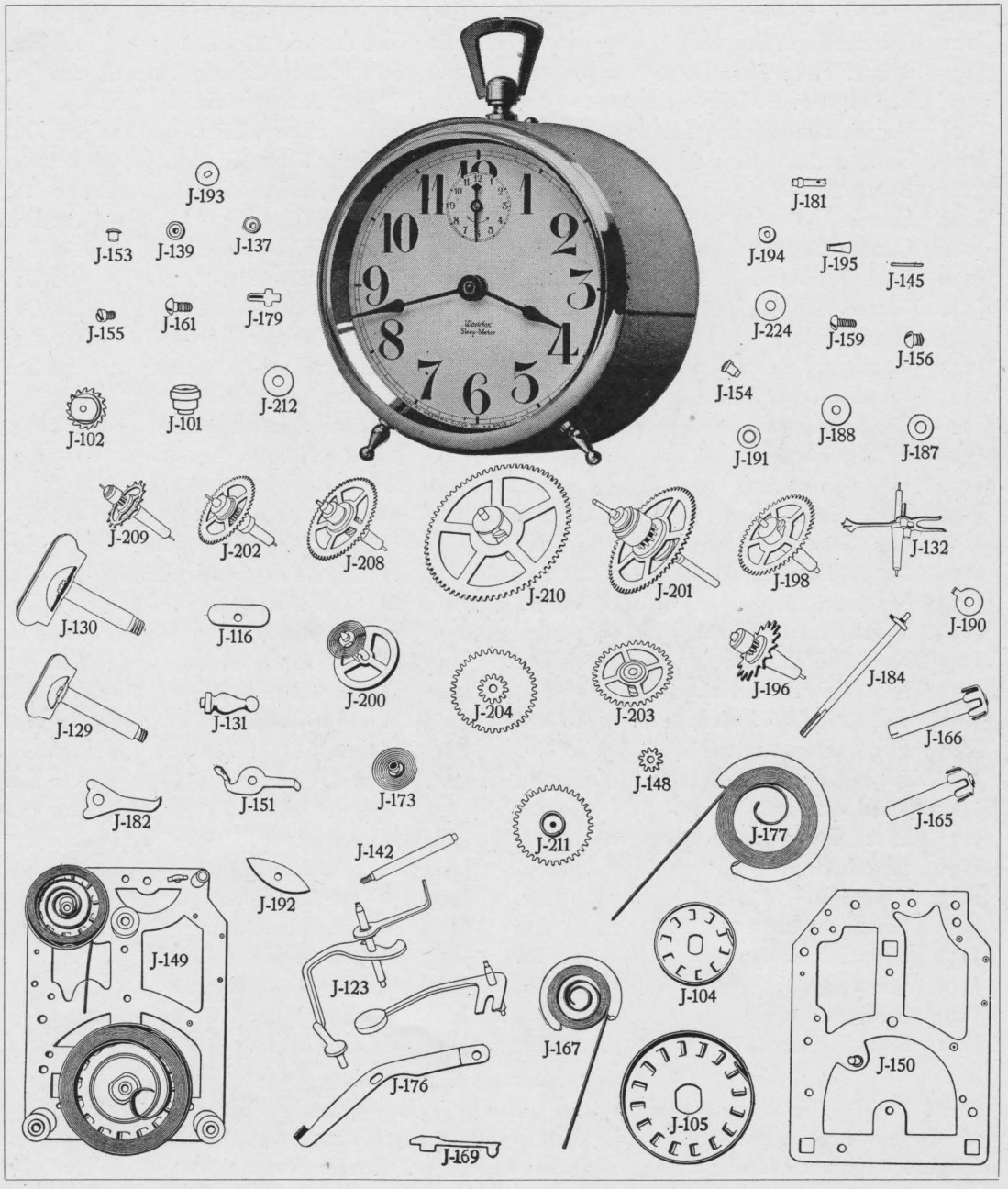
No.	*Part*	*Price*
I101	Arbor, Alarm Barrel	*Order Back Plate*
I102	Arbor, Time Barrel	*Order Back Plate*
*I103	Back	.15 Ea.
I104	Barrel, Alarm Mainspring	*Order Back Plate*
I105	Barrel, Time Mainspring	*Order Back Plate*
*I106	Bell	.15 Ea.
I107	Bell, Stand	.05 Ea.
*I109	Bow	.05 Ea.
*I114	Case	.30 Ea.
*I120	Dial, Mounted on Plate	.05 Ea.
*I122	Glass	.60 Dz.
I123	Hammer	.05 Ea.
I124	Hand, Alarm Indicator	.10 Dz.
*I125	Hand, Hour	.15 Dz.
*I126	Hand, Minute	.15 Dz.
*I128	Head, Case	.05 Ea.
I129	Key, Alarm	.40 Dz.
I130	Key, Time	.40 Dz.
I131	Leg, Case	.40 Dz.
I132	Lever (Pallet, Fork & Arbor)	.05 Ea.
*I134	Matting	.10 Ea.
I136	Nut, Bell Stand	.15 Dz.
I137	Nut, Fourth Pillar	.15 Dz.
I139	Nut, Trip Staff Friction	.15 Dz.
I142	Pillar, Fourth	.20 Dz.
I145	Pin, Motion Wheel	.15 Dz.
I148	Pinion, Shuck	.20 Dz.
I149	Plate, Back	.20 Ea.
I150	Plate, Front	.15 Ea.
I151	Regulator	.30 Dz.
I155	Screw, Balance	.15 Dz.
I158	Screw, Case	.15 Dz.
I161	Screw, Pillar	.15 Dz.
I165	Set, Alarm	.40 Dz.
I166	Set, Hand (Center Turn)	.40 Dz.
I167	Spring, Alarm Main	.40 Dz.
I169a	Spring, Alarm Click (1919 Model)	.10 Dz.
I170	Spring, Click	.10 Dz.
*I170a	Spring, T. Click (1919 Model)	*Order Back Plate*
I171	Spring, Dial, Double	.15 Dz.
I172	Spring, Dial, Single	.15 Dz.
I173	Spring, Hair	.60 Dz.
I176	Spring, Trip	.20 Dz.
I177	Spring, Time Main	.60 Dz.
I179	Stud, Hairspring	.10 Dz.
I181	Stud, Motion Wheel	.15 Dz.
I182	Switch (Alarm Shut-off)	.30 Dz.
I184	Trip Staff	.20 Dz.
I185	Washer, Bell Stand, Large	.15 Dz.
I187	Washer, Leg	.15 Dz.
I188	Washer, Motion Wheel	.15 Dz.
I190	Washer, Regulator	.15 Dz.
I191	Washer, Switch	.15 Dz.
I192	Washer, Trip Staff Friction	.15 Dz.
I193	Washer, Trip Staff, Large	.15 Dz.
I194	Washer, Trip Staff, Small	.15 Dz.
I195	Wedge, Hairspring	.15 Dz.
I196	Wheel, Alarm Escape	.10 Ea.
I198	Wheel, Alarm Main	.10 Ea.
I200	Wheel, Balance, with hairsp'g	.15 Ea.
I201	Wheel, Center	.10 Ea.
I202	Wheel, Fourth	.10 Ea.
I203	Wheel, Hour	.10 Ea.
I204	Wheel, Motion	.10 Ea.
I208	Wheel, Third	.10 Ea.
I209	Wheel, Time Escape	.10 Ea.
I210	Wheel, Time Main	.10 Ea.
I211	Wheel, Trip	.10 Ea.
*I225	Click, Time, (1919 Model)	*Order Back Plate*

Specify whether the case parts are desired in nickel or brass.

* Not separately illustrated

Some watchmakers claim that it's hard to make the hour hand hold in place, after it is put back. Close up the edges of the brass bushing on the hour hand with a pair of ordinary flat pliers, then drive the hour hand on and you'll have no difficulty.

Sleep-Meter Parts



Sleep-Meter Parts

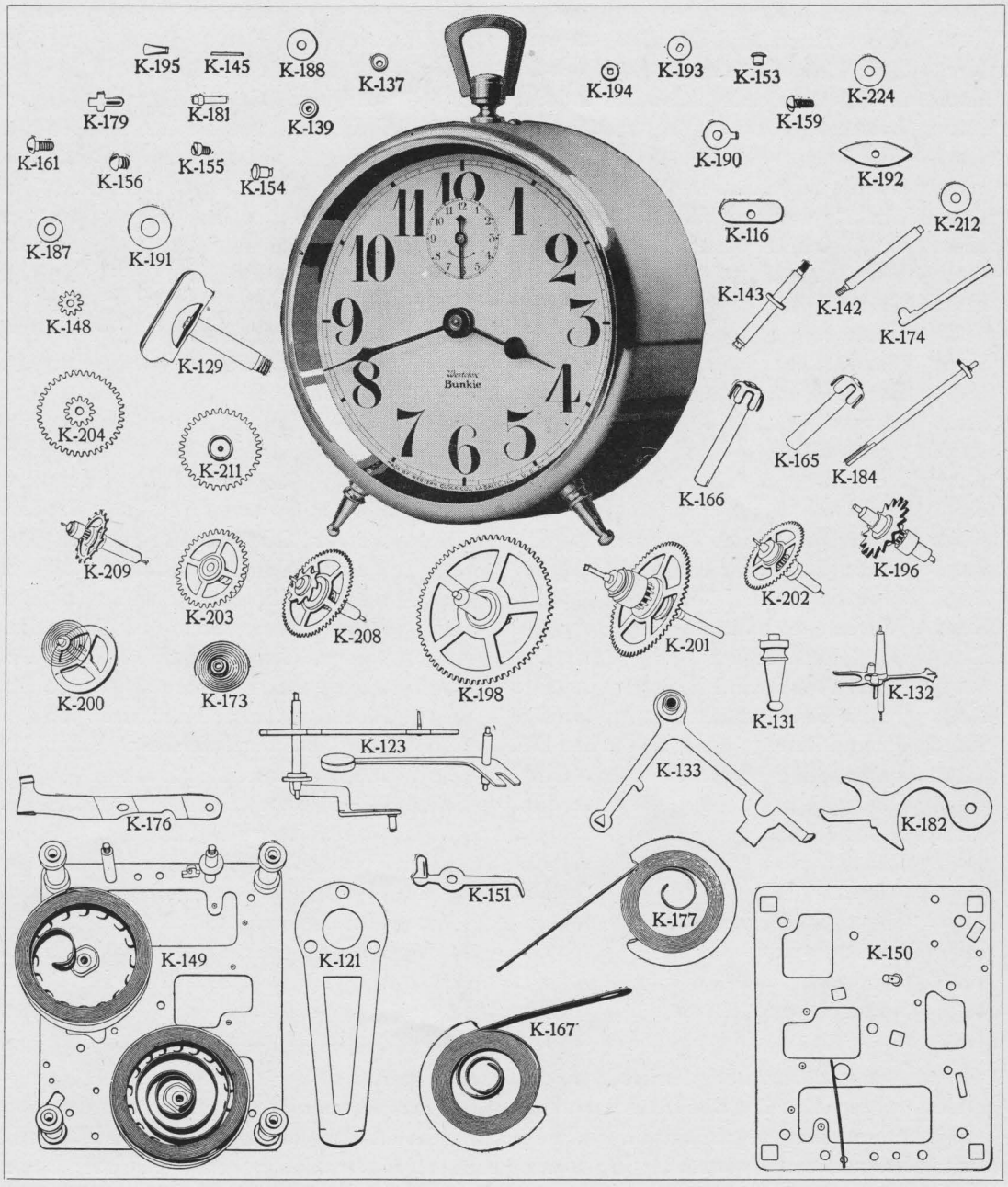
No.	*Part*	*Price*
J101	Arbor, Alarm Barrel	*Order Back Plate*
J102	Arbor, Time Barrel	*Order Back Plate*
J104	Barrel, Alarm Mainspring	*Order Back Plate*
J105	Barrel, Time Mainspring	*Order Back Plate*
*J106	Gong	.20 Ea.
*J109	Bow	.05 Ea.
*J114	Case	.30 Ea.
J116	Clamp, Case	.30 Dz.
*J120	Dial, Mounted on Plate	.05 Ea.
*J122	Glass	.60 Dz.
J123	Hammer	.05 Ea.
*J124	Hand, Alarm Indicator	.10 Dz.
*J125	Hand, Hour	.15 Dz.
*J126	Hand, Minute	.15 Dz.
*J128	Head, Case	.05 Ea.
J129	Key, Alarm	.40 Dz.
J130	Key, Time	.40 Dz.
J131	Leg, Case	.40 Dz.
J132	Lever (Pallet, Fork & Arbor)	.05 Ea.
*J134	Matting	.15 Ea.
*J135	Movement Holder	.15 Ea.
J137	Nut, Fourth Pillar	.15 Dz.
J139	Nut, Trip Staff Friction	.15 Dz.
J142	Pillar, Fourth	.20 Dz.
J145	Pin, Motion Wheel	.15 Dz.
J148	Pinion, Shuck	.20 Dz.
J149	Plate, Back	.20 Ea.
J150	Plate, Front	.15 Ea.
J151	Regulator	.30 Dz.
J153	Rivet, Gong Bracket	.15 Dz.
J154	Rivet, Switch	.15 Dz.
J155	Screw, Balance	.15 Dz.
J156	Screw, Gong	.15 Dz.
J159	Screw, Clamp Case	.15 Dz.
J161	Screw, Pillar	.15 Dz.
J165	Set, Alarm	.40 Dz.
J166	Set, Hand (Center Turn)	.40 Dz.
J167	Spring, Alarm Main	.40 Dz.
J169	Spring, Alarm Click	.10 Dz.
*J170	Spring, Time Click	*Order Back Plate*
J173	Spring, Hair	.60 Dz.
J176	Spring, Trip	.20 Dz.
J177	Spring, Time Main	.60 Dz.
J179	Stud, Hairspring	.10 Dz.
J181	Stud, Motion Wheel	.15 Dz.
J182	Switch (Alarm Shut-off)	.30 Dz.
J184	Trip Staff	.20 Dz.
J187	Washer, Leg	.15 Dz.
J188	Washer, Motion Wheel	.15 Dz.
J190	Washer, Regulator	.15 Dz.
J191	Washer, Switch	.15 Dz.
J192	Washer, Trip Staff Friction	.15 Dz.
J193	Washer, Trip Staff, Large	.15 Dz.
J194	Washer, Trip Staff, Small	.15 Dz.
J194	Washer, Alarm Set	.15 Dz.
J195	Wedge, Hairspring	.15 Dz.
J196	Wheel, Alarm Escape	.10 Ea.
J198	Wheel, Alarm Main	.10 Ea.
J200	Wheel, Balance, with hairsp'g	.15 Ea.
J201	Wheel, Center	.10 Ea.
J202	Wheel, Fourth	.10 Ea.
J203	Wheel, Hour	.10 Ea.
J204	Wheel, Motion	.10 Ea.
J208	Wheel, Third	.10 Ea.
J209	Wheel, Time Escape	.10 Ea.
J210	Wheel, Time Main	.10 Ea.
J211	Wheel, Trip	.10 Ea.
J212	Washer, Case Head	.15 Dz.
J224	Washer, Pillar	.15 Dz.
*J225	Click, Time	*Order Back Plate*

* Not separately illustrated

Sleep-Meter parts will also fit Jack o'Lantern.

If the minute hand or indicator does not fit tightly, lay the hand face down on a bench anvil, and give the brass bushing a sharp tap with a hammer, then stake on.

Bunkie Parts



Bunkie Parts

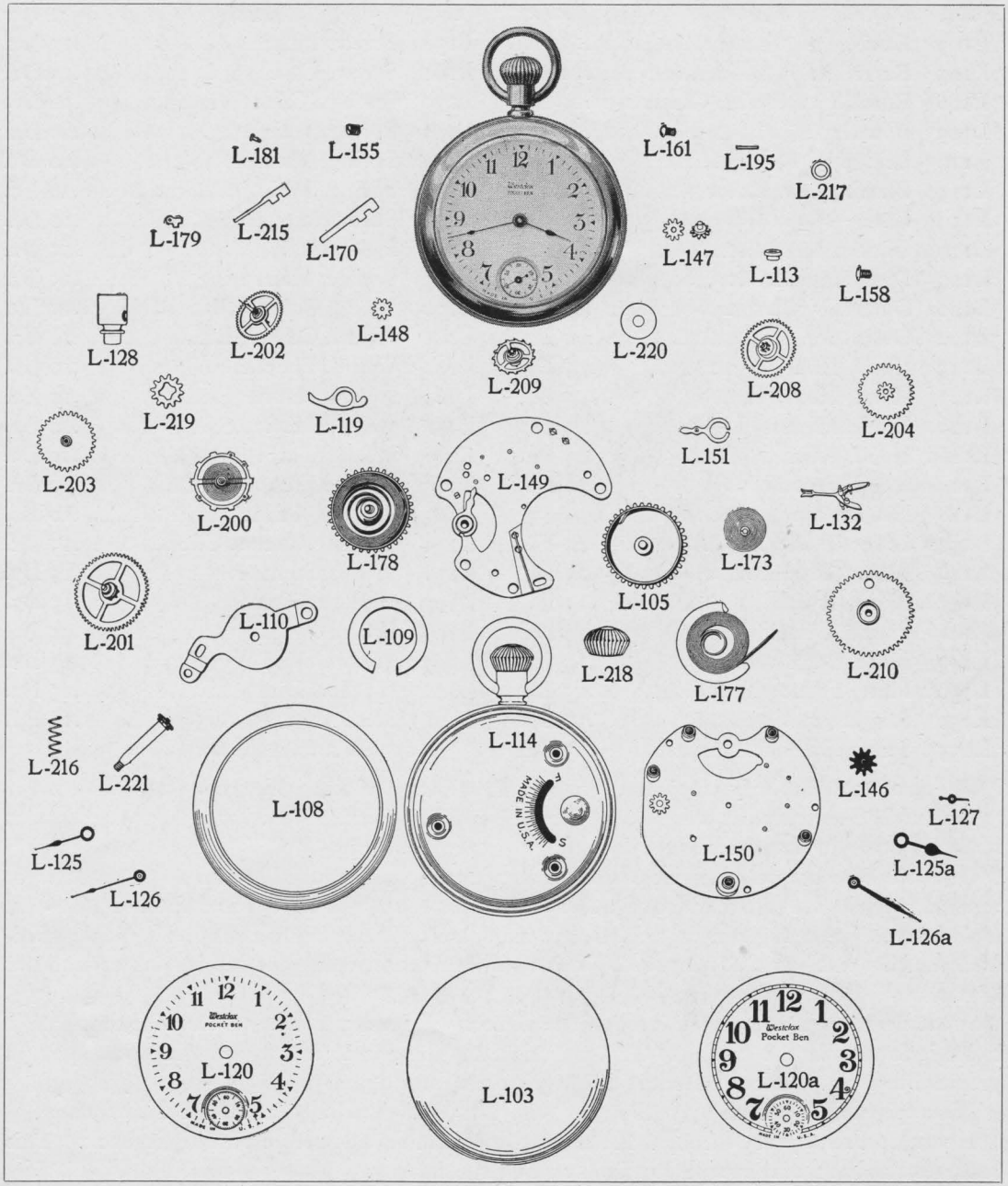
No.	*Part*	*Price*
*K101	Arbor, Alarm or T. Barrel	*Order Back Plate*
*K104	Barrel, Al. or T. Mainsp'g	*Order Back Plate*
*K106	Gong	.25 Ea.
*K109	Bow	.05 Ea.
*K114	Case	.50 Ea.
K116	Clamp, Case	.30 Dz.
*K119	Click, Alarm or Time	*Order Back Plate*
*K120	Dial, Mounted on Plate	.10 Ea.
K121	Foot	.05 Ea.
*K122	Glass	.60 Dz.
K123	Hammer	.05 Ea.
*K124	Hand, Alarm Indicator	.10 Dz.
*K125	Hand, Hour	.15 Dz.
*K126	Hand, Minute	.15 Dz.
*K128	Head, Case	.05 Ea.
K129	Key, Alarm or Time	.40 Dz.
K131	Leg, Case	.40 Dz.
K132	Lever (Pallet, Fork & Arbor)	.05 Ea.
K133	Lever, Repeating	.05 Ea.
*K134	Matting	.15 Ea.
*K135	Movement Holder	.15 Ea.
K137	Nut, Fourth Pillar	.15 Dz.
K139	Nut, Trip Staff Friction	.15 Dz.
K142	Pillar, Fourth	.20 Dz.
K143	Pillar, Sixth	.20 Dz.
K145	Pin, Motion Wheel	.15 Dz.
K148	Pinion, Shuck	.20 Dz.
K149	Plate, Back	.30 Ea.
K150	Plate, Front	.15 Ea.
K151	Regulator	.30 Dz.
K153	Rivet, Gong Bracket	.15 Dz.
K154	Rivet, Switch	.15 Dz.
K155	Screw, Balance	.15 Dz.
K156	Screw, Gong	.15 Dz.
K159	Screw, Case Clamp	.15 Dz.
K161	Screw, Pillar	.15 Dz.
K165	Set, Alarm	.40 Dz.
K166	Set, Hand (Center Turn)	.40 Dz.
K167	Spring, Alarm Main	.60 Dz.
*K169	Spring, Alarm or T. Click	*Order Back Plate*
K173	Spring, Hair	.60 Dz.
K174	Spring, Repeating Lever	.15 Dz.
K176	Spring, Trip	.20 Dz.
K177	Spring, Time Main	.60 Dz.
K179	Stud, Hairspring	.10 Dz.
K181	Stud, Motion Wheel	.15 Dz.
K182	Switch (Alarm Shut-off)	.30 Dz.
K184	Trip Staff	.20 Dz.
K187	Washer, Leg	.15 Dz.
K188	Washer, Motion Wheel	.15 Dz.
K190	Washer, Regulator	.15 Dz.
K191	Washer, Switch	.15 Dz.
K192	Washer, Trip Staff Friction	.15 Dz.
K193	Washer, Trip Staff, Large	.15 Dz.
K194	Washer, Trip Staff, Small	.15 Dz.
K194	Washer, Alarm Set	.15 Dz.
K195	Wedge, Hairspring	.15 Dz.
K196	Wheel, Alarm Escape	.10 Ea.
K198	Wheel, Alarm or Time Main	.10 Ea.
K200	Wheel, Balance, with hairsp'g	.15 Dz.
K201	Wheel, Center	.10 Ea.
K202	Wheel, Fourth	.10 Ea.
K203	Wheel, Hour	.10 Ea.
K204	Wheel, Motion	.10 Ea.
K208	Wheel, Third	.10 Ea.
K209	Wheel, Time Escape	.10 Ea.
K211	Wheel, Trip	.10 Ea.
K212	Washer, Case Head	.15 Dz.
K224	Washer, Pillar	.15 Dz.

* Not separately illustrated

To remove the new model America or Bunkie from the case, follow the same general plan suggested for Sleep-Meter. Be careful not to bend the alarm hammer in taking the movement out.

It is not necessary to remove the dial wheels and the shuck pinion in taking down a Western clock. Leave the dial wheels in place, and push the center shaft through the back plate.

Pocket Ben Parts



Pocket Ben Parts

No.	*Part*	*Price*
L103	Back	.15 Ea.
L105	Barrel	.10 Ea.
L108	Bezel, Fitted with Glass	.15 Ea.
L109	Bow	.05 Ea.
L110	Bridge	.30 Dz.
L113	Bushing, Regulator	.10 Dz.
L114	Case,—Without Back or Bezel	.20 Ea.
L119	Click	.10 Dz.
L120	Dial, Light, M'nted on Plate	.05 Ea.
L120a	Dial, H'vy, M'nted on Plate	.05 Ea.
*L122	Glass	.80 Dz.
L125	Hand, Hour, Light	.25 Dz.
L125a	Hand, Hour, Heavy	.25 Dz.
L126	Hand, Minute, Light	.25 Dz.
L126a	Hand, Minute, Heavy	.25 Dz.
L127	Hand, Second	.20 Dz.
L128	Head, Case	*Order Case*
L132	Lever (Pallet, Fork & Arbor)	.05 Ea.
L146	Pinion, Intermediate Windi'g	.15 Dz.
L147	Pinion & Stud, Inter. Setting	.15 Dz.
L148	Pinion, Shuck	.20 Dz.
L149	Plate, Back	.10 Ea.
L150	Plate, Front	.15 Ea.
L151	Regulator	.30 Dz.
L155	Screw, Balance	.15 Dz.
L158	Screw, Pillar	.15 Dz.
L161	Screw, Case	.15 Dz.
L170	Spring, Click Winding	.10 Dz.
L173	Spring, Hair	.60 Dz.
L177	Spring, Main	.60 Dz.
L178	Spring, Main in Barrel	.10 Ea.
L179	Stud, Hairspring	.10 Dz.
L181	Stud, Motion Wheel	.15 Dz.
L195	Wedge, Hairspring	.15 Dz.
L200	Wheel, Balance, with hairsp'g	.15 Ea.
L201	Wheel, Center	.10 Ea.
L202	Wheel, Fourth	.10 Ea.
L203	Wheel, Hour	.10 Ea.
L204	Wheel, Motion	.10 Ea.
L208	Wheel, Third	.10 Ea.
L209	Wheel, Escape	.10 Ea.
L210	Wheel, Main	.10 Ea.
L215	Spring, Ratchet Click	.15 Dz.
L216	Spring, Stem	.15 Dz.
L217	Washer, Stem	.15 Dz.
L218	Crown	.05 Ea.
L219	Pinion, Stem Winding	.15 Dz.
L220	Washer, Dial	.15 Dz.
L221	Stem	.15 Dz.

* Not separately illustrated

On case fittings specify whether nickel, gunmetal or gilt finish is desired.

Pocket Ben watch parts will also fit Glo-Ben and Boyproof. Nickel case parts are sent out unless gilt or gun metal are asked for.

One of the best ways to insure a satisfactory job of cleaning or oiling an alarm clock is to repoint the balance staff and put in new balance screws. In repointing be sure that you maintain the same angle or taper, and that the points are thoroughly smoothed. Some workmen sharpen them to a blunt point. This does more harm than good, as it creates unusual friction.

Pivot wires should not work loose in the wheels. No strain comes on the wire that would cause it to turn in the casting. Try pushing one through a new wheel. It takes quite a pressure to start. Once started, it never grips the same again.

Loose pivots are caused by pulling the wire through. The only remedy is a new wheel.

If you do pull a pivot through, file the end to a blunt point before pushing it back. This removes the burr, and prevents it from cutting the casting.

Luminous Dials

Baby Ben Luminous

M120	Dial, Luminous, Mounted on Plate	.50 Ea.
M124	Hand, Alarm Indicator, Brass	.10 Dz.
M125	Hand, Hour, Luminous	.10 Ea.
M126	Hand, Minute, Luminous	.10 Ea.

Regular Baby Ben parts are illustrated and listed on pages nineteen and twenty. Special Baby Ben assortment listed on page twelve.

Jack o'Lantern

N120	Dial, Luminous, Mounted on Plate	.60 Ea.
N124	Hand, Alarm Indicator, Brass	.10 Dz.
N125	Hand, Hour, Luminous	.10 Ea.
N126	Hand, Minute, Luminous	.10 Ea.

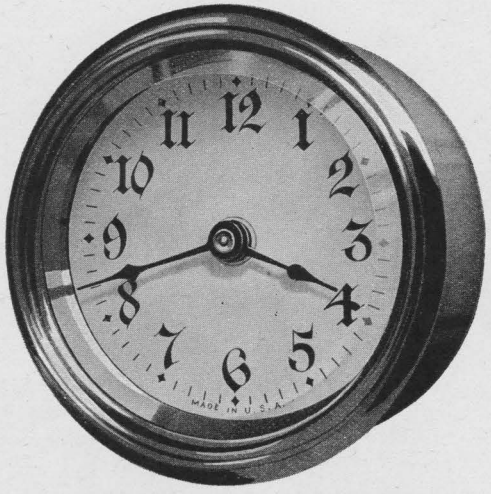
The only difference between Jack o' Lantern and Sleep-Meter is the dial, hands and alarm indicator, therefore, the Sleep-Meter parts illustrated and listed on pages thirty-three and thirty-four will fit Jack o' Lantern.

Glo-Ben

O120	Dial, Luminous, Mounted on Plate	.50 Ea.
O125	Hand, Hour, Luminous	.10 Ea.
O126	Hand, Minute, Luminous	.10 Ea.
O127	Hand, Second, Brass	.20 Dz.

All Pocket Ben parts, illustrated and listed on pages thirty-seven and thirty-eight, will fit Glo-Ben as both watches are the same with the exception of the dial and hands.

Two-Inch Movement



EVERY once in a while somebody brings in a small clock that has a two-inch movement. The clock has long outlived its usefulness, but is valued far beyond its worth because it is a keepsake, with perhaps some sentimental association.

From a repair standpoint it may be hopeless. To try to put the movement in good running order could easily cost more than the entire clock is worth.

There's a way to fix a clock of this kind that will pay you a satisfactory profit and give excellent satisfaction to the owner.

The case usually has the keepsake value. Tell the owner you can put in a new movement so there'll be no complaint after the job is done.

The next step is to measure the diameter of the case opening. The movement shown above will fit an opening from 2 1-8 to 2 3-8 inches in diameter. Then measure the depth of the opening, the distance from the front of the case to the back. Attachments can be supplied with this movement which will enable it to fit a case not less than ¼ inch from front to back, nor more than 2½ inches.

If you give us the measurements correctly, we'll select the proper fitting back and send the movement out promptly. All you have to do is to screw on four nuts to fasten it firmly in the case.

This is known as our two-inch fitting movement. It has the regular Westclox patented construction, is a one-day time movement. The case is of brass. The front bezel and rim are highly polished.

The glass is of beveled French plate. The dial is clear white with neat black figures.

Be sure to remember to give us the inside diameter of the case opening, and the depth of the opening from front to back. This movement is 87c plus postage.

Interchangeable Parts

ALL interchangeable parts are listed on this page. To find whether a part is interchangeable, glance down the alphabetical list of parts in the left hand column until you come to the name of the part. Now follow the line out to the right. All numbers which appear on the line represent parts that are interchangeable. The name of the clock appears at the top of the column.

As an example: Supposing you want to put a new lever (pallet, fork & arbor) in an Ironclad, and you have a lever on hand that you ordered for an America, you glance down the left hand column to the word "Lever," where you find on the lever line A132, A132, B132, G132, I132, J132, and K132, which tells you that the same lever fits America, America 1918 model, Alternating, Ironclad, Lookout, Sleep-Meter and Bunkie.

The parts which are only interchangeable between Big Ben and Big Ben 1918 model, and likewise America and America 1918 model, are not listed here.

Part	America	America 1918 Model	Alternating	Baby Ben	Big Ben	Big Ben 1918 Model	Bingo	Ironclad	Lookout	Sleep-Meter	Bunkie
Bbl. T. Main, without Spring					*D105c	*D105c	*E105c				
Bbl. T. Main, with Spring					D105	D105	E105				
Bell Stand	A107	A107							I107		
Bow	*A109	*A109	*B109						*I109		
Bow					*D109	*D109	*E109				
Bridge, Alarm					D111	D111	E111				
Clamp, Case										J116	K116
Hammer	A123	A123a							I123		
Hammer					D123	D123	E123				
Hand, Alarm Indicator	*A124	*A124	*B124							*J124	*K124
Hand, Hour	*A125	*A125								*J125	
Hand, Hour								*G125	*I125		
Hand, Minute	*A126	*A126								*J126	
Hand, Minute							*E126				*K126
Hand, Minute								*G126	*I126		
Head, Case	*A128	*A128	*B128						*I128		
Head, Case						D128a	*E128				
Key, Alarm	A129	A129						G129	I129		
Key, Alarm					D129	D129	E129				
Key, Time	A130	A130	B130					G130	I130		
Key, Time					D130	D130	E130				
Key, Time										J130	K129
Lever (Pallet, Fork & Arbor)	A132	A132	B132					G132	I132	J132	K132
Lever (Pallet, Fork & Arbor)					D132	D132	E132				
Nut, Bell Stand	A136	A136	B136						I136		
Nut, Pillar or Casing					D138	D138	E138				
Nut, Fourth Pillar	A137	A137	B137					G137	I137	J137	K137
Nut, Trip Staff Friction	A139	A139	B139	C139	D139	D139	E139	G139	I139	J139	K139
Pin, Motion Wheel	A145	A145	B145		D145	D145	E145	G145	I145	J145	K145
Pinion, Shuck	A148	A148	B148		D148	D148	E148	G148	I148	J148	K148
Plate, Back		A149a							I149	J149	
Plate, Back						D149a	E149				
Plate, Front						D150a	E150				
Plate, Front		A150a								J150	
Regulator		A151a	B151								
Screw, Balance	A155	A155	B155	C155	D155	D155	E155	G155	I155	J155	K155
Screw, Bridge					D157	D157	E157				
Screw, Case	A158		B158					G158	I158		
Screw, Clamp Case										J159	K159
Screw, Gong					D156	D156	E156			J156	K156
Screw, Pillar	A161	A161	B161					G161	I161	J161	K161

Set, Alarm	A165	A165	B165					G165	I165		
Set, Alarm					D165		E165				
Set, Alarm										J165	K165
Set, Hand (Center Turn)	A166	A166	B166					G166	I166		
Set, Hand (Center Turn)					D166	D166	E166				
Set, Hand (Center Turn)										J166	K166
Spring, Alarm Main	A167	A167							I167	J167	
Spring, Alarm Main, in Bbl.					D168	D168	E168				
Spring, Alarm Click		A169a							I169a	J169	*K169
Spring, Dial, Double	A171		B171					G171	I171		
Spring, Dial, Single	A172		B172					G172	I172		
Spring, Trip	A176	A176						G176	I176		
Spring, Trip					D176	D176	E176				
Spring, Time Main	A177	A177	B177					G177	I177	J177	K177
Spring, Time Main					D177	D177	E177				
Stud, Hairspring	A179	A179	B179		D179	D179	E179	G179	I179	J179	K179
Switch, (Alarm Shut-Off)	A182	A182							I182		
Trip Staff	A184	A184	B184				E184			J184	K184
Washer, Bell Stand, Large	A185	A185	B185						I185		
Washer, Motion Wheel	A188	A188	B188		D189	D189	E189	G188	I188	J188	K188
Washer, Regulator	A190	A190	B190		D190		E190	G190	I190	J190	K190
Washer, Switch	A191	A191	B191						I191		
Washer, Trip Staff Friction	A192	A192	B192		D192	D192	E192			J192	K192
Washer, Trip Staff, Large	A193	A193	B193	C193	D193	D193	E193	G193	I193	J193	K193
Washer, Trip Staff, Small	A194	A194	B194	C194	D194	D194	E194	G194	I194	J194	K194
Wedge, Hairspring	A195	A195	B195		D195	D195	E195	G195	I195	J195	K195
Wheel, Alarm Escape	A196	A196							I196	J196	
Wheel, Alarm Escape					D196	D196	E196				
Wheel, Alarm Intermediate					D197	D197	E197				
Wheel, Alarm Main	A198	A198							I198	J198	
Wheel, Alarm Main					D198	D198	E198				
Wheel, Bal., with Hairspg.	A200	A200	B200						I200	J200	
Wheel, Bal., with Hairspg.					D200	D200	E200				
Wheel, Center	A201	A201	B201				E201	G201	I201	J201	K201
Wheel, Fourth	A202	A202	B202		D202	D202	E202	G202	I202	J202	K202
Wheel, Hour	A203	A203	B203		D203	D203	E203	G203	I203	J203	K203
Wheel, Motion	A204	A204	B204		D204	D204	E204	G204	I204	J204	K204
Wheel, Third	A208	A208	B208					G208	I208	J208	
Wheel, Third					D208	D208	E208				K208
Wheel, Time Escape	A209	A209	B209		D209	D209	E209	G209	I209	J209	K209
Wheel, Time Main	A210	A210	B210		D210	D210	E210	G210	I210	J210	
Wheel, Trip	A211	A211	B211		D211	D211	E211	G211	I211	J211	K211

The Big Ben Bridge Screw (D157) is the same as the Baby Ben Gong Screw (C156).
The Baby Ben Bridge Screw (C157) is the same as the La Sallita Case Screw (H158).
The La Sallita Pillar Screw (H161) is the same as the Pocket Ben Pillar Screw (L158).
The Baby Ben Bow (*C109) and La Sallita Bow (*C109) are interchangeable.
The America Case Screw (A158) is used to fasten the back on America, 1918 model, Sleep-Meter and Bunkie.
The Big Ben Bridge Screw (D157) is used to fasten the Trip Spring on Bunkie.