

Jan. 1953

First aid for injured **Westclox**

Repair Material Catalog
of Westclox parts for
**Spring-driven & Electric Clocks;
Pocket & Wrist Watches**

Prices to Retailers

47698
52019

First aid for injured Westclox

THE most popular repair material catalog we ever issued carried the title, "First Aid for Injured Westclox". That was some thirty odd years ago when there were only fourteen models listed against seventy-nine covered in this issue.

The watchmaker of yesteryear liked the old, "First Aid for Injured Westclox". It was a real help to him in servicing Westclox. We think the watchmaker of today will find the new edition even more valuable so we are borrowing the old name.

In this catalog we aimed to produce a book that would accomplish for the watchmaker of today what the old catalog accomplished for the watchmaker of thirty odd years ago.—A complete list of the parts that go into the various Westclox models that are now in production or have been manufactured since the latter part of 1944; line illustrations of most of the parts; a complete price list; a listing of duplicating parts.

Under the caption, "A helpful hint", the man at the bench will find many suggestions that will make the repairing of Westclox easier.

Truly, we think, a handy reference volume.

Westclox

Division of General Time Corporation

La Salle, Illinois

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How to Order Repair Material

MOST watchmakers order repair parts from their regular wholesale material distributor, but when the wholesaler is unable to supply the needed parts, and in areas where there are no wholesalers near, we ship material direct from the factory on a cash-in-advance basis.

This repair material catalog was designed to make it easy for the watchmaker to order parts needed in the repair of Westclox spring-driven and electric clocks and pocket and wrist watches.

The lists cover all Westclox models manufactured since the second world war. Where the parts were also used in prewar models, the model numbers of the older models by the same names are given under the heading, "Model". For instance: The time bridge with barrel and spring used on the current model (69-F) Big Ben Chime was also used on earlier models, 69NS-B C-D.

In some instances the clocks or watches have been combined into groups so that parts that are used in several models are together. This is to prevent duplicate ordering.

Parts are listed alphabetically in each group. The three letters in the stock number are the first three letters of the name of the part. The numbers run consecutively by the names of the parts. Parts that are duplicated in timepieces outside their regular group are listed on pages 90, 91 & 92.

All lists are amply illustrated. The smaller parts are sketched and the stock number of the part given. When there is doubt regarding the factory name of a part, the question can be settled by looking for the illustration and then locating the name by the stock number.

Regardless of in how many models a part is used, it carries the same stock number. This is an advantage as one stock of the part is sufficient.

Black and nickel clocks usually carry nickel fittings such as keys, sets and knobs, while ivory and gold-colored clocks usually carry gold-colored fittings. It is always best to specify whether the parts are needed for black or ivory clocks. Parts that are the same except for color carry different stock numbers.

Parts should be ordered by quantity, stock number, name of clock or watch, model number, name of part and part used number. Example: 1 pair Han—1418 Big Ben Loud, 48H, Luminous Hands, 48H \$.40.

Big Ben, Baby Ben, Pocket Ben and Scotty have the individual names printed on the dial beneath the trade name "Westclox". On most other clocks the individual name is stamped on the back of the case.—Only the name Westclox being on the dial.—Where model numbers are used they appear beneath the bases or on the backs. Where names or model numbers are not known, the descrip- (Continued on page 4)

Rate Table for Parcel Post Shipments

Based on rates in effect October 1, 1951

Third Class

2c for the first 2 ounces, or fraction thereof, 1c for each additional ounce, or fraction thereof, to and including 8 ounces. (On most packages, 3¢ is the minimum. See postmaster for details.)

Fourth Class

This table shows the charges when shipping by parcel post, according to weight of the package and according to distance by zone.	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
	Up to 150 miles from La Salle	150 to 300 miles from La Salle	300 to 600 miles from La Salle	600 to 1,000 miles from La Salle	1,000 to 1,400 miles from La Salle	1,400 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 8 oz. up to 1 lb.	\$.17	\$.17	\$.19	\$.21	\$.23	\$.25	\$.27
Over 1 lb. up to 2 lbs.	.20	.21	.24	.28	.33	.37	.41
Over 2 lbs. up to 3 lbs.	.22	.24	.29	.35	.42	.48	.55
Over 3 lbs. up to 4 lbs.	.25	.28	.34	.42	.51	.60	.69
Over 4 lbs. up to 5 lbs.	.27	.31	.38	.48	.60	.71	.83
10 lbs.	.39	.49	.62	.82	1.07	1.29	1.53
15 lbs.	.51	.66	.86	1.16	1.53	1.86	2.23
20 lbs.	.63	.84	1.10	1.50	1.99	2.44	2.93
25 lbs.	.75	1.01	1.33	1.83	2.45	3.01	3.63

(Continued from page 3) tions of timepieces should include the patent numbers.

Base markings on Big Ben and Baby Ben are:

69C on Big Ben Chime Black 69C and Ivory 69D
48H on Big Ben Chime Ivory 69F
S4D on Big Ben Loud 48E
69C on Big Ben Loud 48G
48H on Big Ben Loud 48H
61R on Baby Ben Black 61R and Ivory 61S
61V on Baby Ben Black 61V and Ivory 61W

The wholesale material houses have an important place in the distribution of Westclox material and we prefer that watchmakers secure their supplies from them. In the long run it is to the watchmaker's advantage to buy from the wholesalers as he can have his Westclox material shipped along with his watch material, save letter writing and postage.

As we do not sell material to retailers on open account, one has to send a remittance in advance or wait for our card notice showing the amount, send us a remittance and then take his turn in having the order filled.—We prefer not to ship C. O. D.

All parts are priced individually and cannot be assorted to take advantage of a quantity price.

Retail prices are quoted in dozen, quarter dozen and each quantities. Prices apply to the quantities shipped regardless of quantities ordered. Minimum order fifty cents.

Prices are net F. O. B. La Salle, Illinois. All agreements are contingent upon occurrences beyond our control. Quotations subject to change without notice. Sales, excise and similar taxes will be added to list price when applicable.

As repair material cannot be accepted for credit or exchange, we ask that care be used in making up orders so that there will be no misunderstanding after the parts are shipped.

It's Profitable to Repair Westclox

Repairing Westclox is not only desirable business but profitable business as well. If a timepiece can be repaired satisfactorily, one can make a profit on the work. If a clock or watch is so badly worn or so old repair parts are not available, one can suggest the purchase of a new Westclox and make a profit on the sale.

In either case the watchmaker who repairs Westclox has an opportunity to offer his customer the benefit of his expert knowledge and build good will by honestly telling the conditions of his timepiece, and whether it should be repaired or a new one purchased.

Westclox Glass Sizes

Stock Number	Part Used	Approximate Diameter or Dimension
Gla—1206	S5E	Ardmore (square) 2.940"
Gla—1174	61R	(convex) Baby Ben Models 61R and 61S 2.615"
Gla—1178	61V	(convex) Baby Ben Models 61V and 61W 2.800"
Gla—1210	S7E	(convex) Bantam and Greenwich 3.240"
Gla—1214	S7	(convex) Barry 3.700"
Gla—1218	S7A	(convex) Belfast 5.040"
Gla—1186	66S	(convex) Bellboy, Bingo and Raven 4.100"
Gla—1182	69	(convex) Big Ben Chime Alarm, Big Ben Loud Alarm Models 48E, 48G and 48H 4.260"
Gla—1202	S6D	(convex) Big Ben Elec- tric Model S6D 4.320"
Gla—1222	S5C	(square convex) Dunbar 4.950"
Gla—1190	66AD	(square convex) General 3.760"
Gla—1226	66Q	(convex) Logan 3.940"
Gla—1230	S4A	(convex) Manor 6.220"
Gla—1234		(convex) Monitor Commercial Clock 12.820"
Gla—1238	S5J	(convex) Moonbeam 3.920"
Gla—1242	S2L	(clear, flat plate) Oracle 5.750"
Rin—2626	S6E	(glass ring colored, slot- ted, flat plate) Oracle 5.665" (3.875" hole)
Gla—1246	S8	(convex) Orb 5.520"
Gla—1250	S4B	(convex) Pittsfield 4.640"
Gla—1194	66AC	Shelby 3.700" x 4.475" (overall length)
Gla—1198	66AA	(square convex) Spur 3.930"
Cry—0798	TS1	Switch Clock (Lucite crystal) 3.720" x 4.220"
Gla—1254	TS1	Switch Clock (glass) 3.645" x 4.145"

Big Ben Loud Alarm

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
Bar—0122	Barrel, Alarm, with Spring	All	BB3	\$2.60	\$.80	\$.40
	Barrel, Time, with Spring	<i>Order Bridge, Time with Barrel and Spring, Bri—0382</i>				
Bas—0158	Base	48E	S4D	6.00	1.80	.65
Bas—0150	Base	48G	69C	6.00	1.80	.65
	Base Order Case, with Base, Cas—0642	48H				
	Bell Order Gong					
Bri—0310	Bridge, Alarm (Only)	All	BB3	.60	.45	.30
Bri—0382	Bridge, Time, with Barrel and Spring	All	BB3	4.00	1.20	.45
Bri—0394	Bridge, Time, with Barrel but without Spring	All	BB3	1.50	.50	.35

C

Cap—0470	Cap, Alarm, Wind, Dust	All but 48G-H	BB3	.30	.25	.20
Cap—0474	Cap, Alarm, Wind, Dust	48G-H	48G	.30	.25	.20
Cap—0482	Cap, Time, Wind, Dust	All but 48G-H	BB3	.30	.25	.20
Cap—0486	Cap, Time, Wind, Dust	48G-H	48G	.30	.25	.20
Cas—0622	Case (Front of case only)	48E	S4D	8.35	2.50	.90
Cas—0614	Case (Front of case only)	48G	69C	8.35	2.50	.90
Cas—0642	Case, with Base	48H	48H	15.00	4.50	1.60
Cas—0690	Case, Body	48E	48E	4.00	1.20	.45
Cas—0694	Case, Body	48G	48G	4.00	1.20	.45
Cas—0698	Case, Body	48H	48H	4.00	1.20	.45
Cla—0706	Clamp, Base	48E-G	S4D	.50	.35	.25
Cov—0790	Cover, Regulator, Dust	48D-E	48D	.50	.35	.25
Cov—0794	Cover, Regulator, Dust	48G-H	48G	.50	.35	.25

D

Dia—0878	Dial, Luminous	48E	48E	11.00	3.30	1.15
Dia—0882	Dial, Luminous	48G	48G	11.00	3.30	1.15
Dia—0886	Dial, Luminous	48H	48H	11.00	3.30	1.15
Dia—0966	Dial, Plain	48E	48E	1.85	.55	.35
Dia—0970	Dial, Plain	48G	48G	1.85	.55	.35
Dia—0974	Dial, Plain	48H	48H	1.85	.55	.35

G

Gla—1182	Glass	48E-G-H	69	1.85	.55	.35
Gon—1286	Gong	48E	48E	5.25	1.60	.55
Gon—1290	Gong	48G	48G	5.25	1.60	.55
Gon—1294	Gong	48H	48H	5.25	1.60	.55

The stock numbers used in this catalog run consecutively by alphabetical listing of parts. The three letters are the first three letters of the name of the part.

A helpful hint

For the Man at the Bench

Scattered throughout this repair material catalog are repair hints gleaned from the man at the bench.—The fellow who is called upon every hour to put new vitality into exhausted timepieces; the fellow who has the “know how”; the doctor for Father Time.

The experienced watchmaker may read the messages and say, “I know”, but to the fellow just starting to learn repairing, the information should prove valuable.

The editors are grateful to the men behind the benches who have contributed from their experiences.

Illustrations on pages 6 & 7

Big Ben Loud Alarm

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
H						
Ham—1354	Hammer	48E	48E	\$.70	\$.45	\$.30
Ham—1358	Hammer	48G	48G	.70	.45	.30
Ham—1362	Hammer	48H	48H	.70	.45	.30
Han—1406	Hands, Luminous (Pair Hour & Minute)	48D-E-G	69	3.00	.90	.40
Han—1418	Hands, Luminous (Pair Hour & Minute)	48H	48H	3.00	.90	.40
Han—1486	Hands, Plain (Pair Hour & Minute)	48D-E-G	69	.70	.45	.30
Han—1498	Hands, Plain (Pair Hour & Minute)	48H	48H	.70	.45	.30
I						
Ind—1786	Indicator, Alarm Hand (Luminous Dial)	48D-E	69	.50	.35	.25
Ind—1790	Indicator, Alarm Hand (Luminous Dial)	48G	48G	.50	.35	.25
Ind—1794	Indicator, Alarm Hand (Luminous Dial)	48H	48H	.50	.35	.25
Ind—1830	Indicator, Alarm Hand (Plain Dial)	48D-E	69	.50	.35	.25
Ind—1834	Indicator, Alarm Hand (Plain Dial)	48G-H	48G	.50	.35	.25

A helpful hint

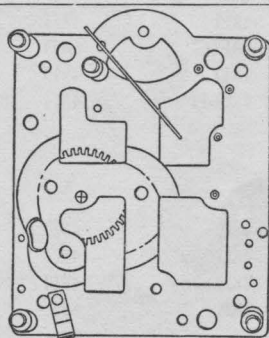
How to Remove Alarm Switch Knobs

On some models, the alarm switch knobs are threaded to staff. Sometimes they are rather tight. To remove a switch knob, pull the switch staff as far as it will go. Grasp the switch staff firmly with a pair of long-nosed pliers. Turn the knob to the left with a pair of ordinary pliers.

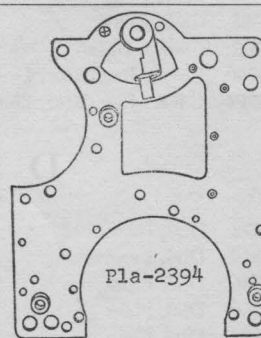
On models where the switch knob is staked to the staff, it is not necessary to remove knob as the hole in the gong, or the back, is made large enough to slip over the knob when taking clock apart.

ALL parts listed are for Big Ben Loud, Models 48E, G and H. Where the parts also fit earlier models of Big Ben Loud, the earlier model numbers are listed under the heading, "Model".

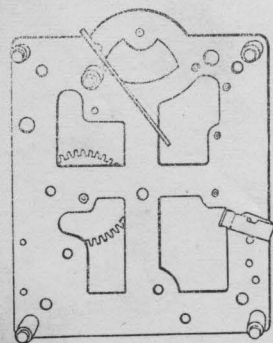
The Model E was in production at the outbreak of World War II and some were made right after the war before production was started on Model 48G. As Models E and G are similar in appearance, the Model E is not illustrated.



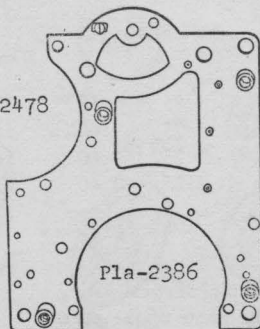
Pla-2486



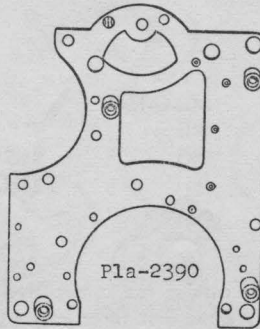
Pla-2394



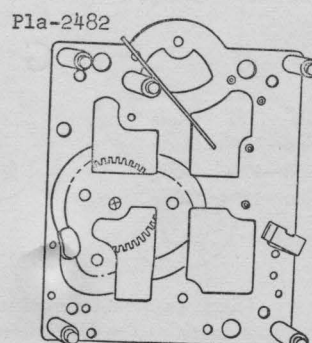
Pla-2478



Pla-2386



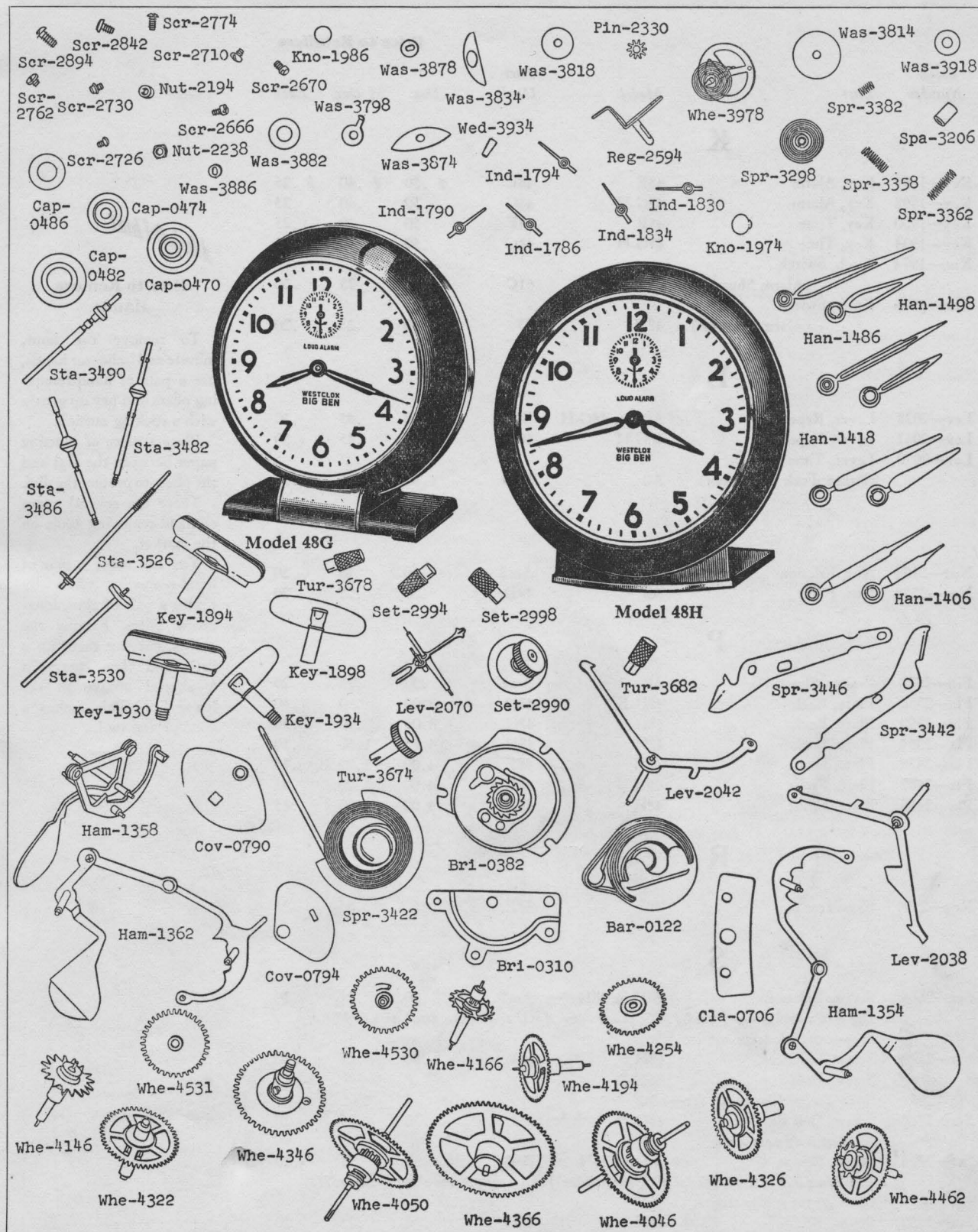
Pla-2390



Pla-2482

Illustrations are one-fourth actual size

Big Ben Loud Alarm



Illustrations are one-fourth actual size

Big Ben Loud Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
K						
Key—1894	Key, Alarm	48E	48E	\$.50	\$.40	\$.25
Key—1898	Key, Alarm	48G-H	48G	.50	.40	.25
Key—1930	Key, Time	48E	48E	.50	.40	.25
Key—1934	Key, Time	48G-H	48G	.50	.40	.25
Kno—1974	Knob, Switch					
	(Alarm Shut-off)	All but 48H	61C	.30	.25	.20
Kno—1986	Knob, Switch					
	(Alarm Shut-off)	48H	S7	.30	.25	.20
L						
Lev—2038	Lever, Repeating	All but 48G-H	BB3	.60	.45	.30
Lev—2042	Lever, Repeating	48G-H	48G	.60	.45	.30
Lev—2070	Lever, Time					
	(Pallet, Fork and Arbor)	All	BB3	1.85	.55	.35
N						
Nut—2194	Nut, Friction	All but 48G-H	Am2	.30	.25	.20
Nut—2238	Nut, Pillar	All	48D	.30	.25	.20
P						
Pin—2330	Pinion, Shuck	All	Am2	.30	.25	.20
Pla—2386	Plate, Back	48D-E	48D	3.00	.90	.40
Pla—2390	Plate, Back	48G	48G	3.00	.90	.40
Pla—2394	Plate, Back	48H	48H	4.65	1.40	.50
Pla—2478	Plate, Front	48E	48E	4.00	1.20	.45
Pla—2482	Plate, Front	48G	48G	4.00	1.20	.45
Pla—2486	Plate, Front	48H	48H	4.00	1.20	.45
R						
Reg—2594	Regulator	48E	48E	.50	.35	.25
S						
Scr—2666	Screw, Balance	All but 48H	Am2	.30	.25	.20
	Big Ben Loud Alarm, Model 48G, made after April 1948 were fitted with 61V (Scr—2670) balance screws.					
Scr—2670	Screw, Balance	48H	61V	.30	.25	.20
	Screw, Base	48E-G				
	Order Screw, Movement, Scr—2894					
Scr—2710	Screw, Bell Bracket	48G-H	S5	.30	.25	.20
	Used as body case screw					
Scr—2726	Screw, Bridge	All but 48H	BB3	.30	.25	.20
	Big Ben Loud Alarm, Model 48G, made after January 1948 were fitted with 48H (Scr—2730) bridge screws.					
Scr—2730	Screw, Bridge	48H	48H	.30	.25	.20

A helpful hint

How to Remove Hands

To remove the hour, minute and indicator hands, use a pair of hand-removing pliers and pry up gently with a rocking motion.

Place a piece of blotting paper between the dial and the pliers to protect the dial.

There are several types of hand-removing tools on the market.

You can make a pair of hand-removing pliers by taking a pair of thin, long-nosed pliers, heating the points, curving them up a little and then cutting a V shaped groove in the lower lip. This makes a good prying tool.

Illustrations on pages 6 & 7

Big Ben Loud Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Scr—2774	Screw, Case <i>Used as body case screw</i>	48D-E	61L	\$.30	\$.25	\$.20
Scr—2762	Screw, Case	48E-G-H	S4D	.30	.25	.20
	Screw, Body Case	48D-E				
	Order Screw, Case, Scr—2774					
	Screw, Body Case	48G				
	Order Screw, Bell Bracket, Scr—2710					
Scr—2842	Screw, Gong	48E-G-H	48E	.30	.25	.20
Scr—2894	Screw, Movement <i>Used as base screw</i>	48E-G	S1A	.30	.25	.20
Set—2990	Set, Alarm	48E	48E	.50	.35	.25
Set—2994	Set, Alarm	48G	48G	.50	.35	.25
Set—2998	Set, Alarm	48H	48H	.50	.35	.25
	Set, Hand Order Turn, Center					
Spa—3206	Spacer, Alarm Set	48G-H	48G	.30	.25	.20
	Spring, Alarm Order Barrel, Alarm with Spring, Bar—0122					
Spr—3298	Spring, Hair	All	Am2	1.50	.50	.35
	<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe-3978</i>					
Spr—3358	Spring, Center Seal	48D-E	69	.30	.25	.20
Spr—3362	Spring, Center Seal	48G-H	48G	.30	.25	.20
Spr—3382	Spring, Switch Staff	48H	48H	.30	.25	.20
Spr—3422	Spring, Time	All	Am2	1.85	.55	.35
Spr—3442	Spring, Trip	48D-E	48D	.30	.25	.20
Spr—3446	Spring, Trip	48G-H	48G	.30	.25	.20
Sta—3482	Staff, Switch	48E	48E	.50	.40	.25
Sta—3486	Staff, Switch	48G	48G	.50	.40	.25
Sta—3490	Staff, Switch	48H	48H	.50	.40	.25
Sta—3526	Staff, Trip	All but 48G-H	BB3	.50	.40	.25
Sta—3530	Staff, Trip	48G-H	48G	.50	.40	.25

T

Tur—3674	Turn, Center (Hand Set)	48E	48E	.50	.35	.25
Tur—3678	Turn, Center (Hand Set)	48G	48G	.50	.35	.25
Tur—3682	Turn, Center (Hand Set)	48H	48H	.50	.35	.25

W

Was—3798	Washer, Regulator	All but 48G-H	BB3	.30	.25	.20
Was—3814	Washer, Center Seal	48D-E	48D	.30	.25	.20
Was—3818	Washer, Center Seal	48G-H	48G	.30	.25	.20
Was—3834	Washer, Alarm Set (Dust Cap Friction)	All but 48G-H	BB3	.30	.25	.20
Was—3874	Washer, Trip Staff, Friction	All	48D	.30	.25	.20
Was—3878	Washer, Trip Staff, Round	All	66J	.30	.25	.20
Was—3882	Washer, Trip Staff, Dust Seal	48G-H	48G	.30	.25	.20
Was—3886	Washer, Trip Staff, Small <i>Also used on Model 48G until January 1948.</i>	48A-B-C-D-E	Am2	.30	.25	.20
Was—3918	Washer, Motion Wheel	48H	Am2	.30	.25	.20
Wed—3934	Wedge, Hairspring	All	Am2	.30	.25	.20
Whe—3978	Wheel Balance, with Hairspring	All	BB3	5.65	1.70	.60

A helpful hint

How to Clean a Westclox

After removing the movement from the case, remove the hands, dial, hairspring wedge and balance wheel. (When the main-spring is encased in a barrel, remove it from the movement before washing the movement. — Clean separately.) Place the movement in the cleaning solution and permit it to soak for ten or fifteen minutes. Then thoroughly brush out with a stiff brush while still being held in the solution.

Some watchmakers use two receptacles. The first to get out the worst dirt and the second for a rinse.

The best way to dry a movement is with compressed air, but, when this is not available, set aside to dry thoroughly before repairing.

Big Ben Loud Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Whe—4014	Wheel, Balance, without Hairspring	All	BB3	\$3.00	\$.90	\$.40
Whe—4046	Wheel, Center	48D-E	48D	1.50	.50	.35
Whe—4050	Wheel, Center	48G-H	48G	1.50	.50	.35
Whe—4146	Wheel, Alarm Escape	All	BB3	.70	.45	.30
Whe—4166	Wheel, Time Escape	All	Am2	.70	.45	.30
Whe—4194	Wheel, Fourth	All	Am2	.70	.45	.30
Whe—4254	Wheel, Hour	All	66	.50	.35	.25
Whe—4322	Wheel, Intermediate (Alarm)	All but 48G-H	BB3	.70	.45	.30
Whe—4326	Wheel, Intermediate (Alarm)	48G-H	48G	.70	.45	.30
Whe—4346	Wheel, Alarm Main	All	BB3	2.00	.65	.35
Whe—4366	Wheel, Time Main	All	Am2	1.00	.50	.35
	Wheel, Motion	48E-G-H				
	<i>Order Plate, Front</i>					
Whe—4462	Wheel, Third	All	BB3	1.35	.50	.35
Whe—4531	Wheel, Trip	48D-E	48D	.70	.45	.30
Whe—4530	Wheel, Trip	48G-H	66	.50	.35	.25

Illustrations on pages 6 & 7

BIG BEN is the best known name in the Westclox family of timepieces. The Big Ben Loud Alarm has the conventional tick and fire bell call, the Big Ben Chime has the quiet tick and the "First he whispers—then he shouts" alarm and then there is the Big Ben Electric with its special features. More clocks carrying the name Westclox Big Ben have been manufactured and sold than of any other brand name. Naturally in time more Big Ben come back for repair. Repairing them is pleasurable and profitable business.—And this catalog makes the ordering of repair parts easy.

Big Ben Chime Alarm

			Price to Retailers			
<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
B						
	<i>Barrel, Time, with Spring Order Bridge, Time with Barrel and Spring, Bri—0378</i>					
Bas—0150	Base (Black Clock)	69C	69C	\$6.00	\$1.80	\$.65
Bas—0154	Base (Ivory Clock)	69D	69D	6.00	1.80	.65
	Base (Ivory Clock)	69F				
	<i>Order Case, with Base, Cas—0638</i>					
	<i>Bell Order Gong</i>					
Bri—0302	Bridge, Alarm (Only)	All but 69F	69	.60	.45	.30
Bri—0306	Bridge, Alarm (Only)	69F	69E	.60	.45	.30
Bri—0378	Bridge, Time, with Barrel and Spring	69NS-B-C-D-F	69-3	4.00	1.20	.45
Bri—0390	Bridge, Time, with Barrel but without Spring	69NS-B-C-D-F	69-3	1.50	.50	.35
Bus—0426	Bushing, Rubber	All	69	.30	.25	.20

Illustrations on pages 12 & 13

A helpful hint

When was it made

Each Westclox clock and watch carries a manufacturing date on either the front or back movement plate. The first number designates the month and the last number the year. When there is doubt about the part wanted, give the name of the clock or watch and the manufacturing date when ordering parts.

A helpful hint

Interchangeable Parts

Many Westclox parts are interchangeable. A part is only numbered once so regardless of where it is used it carries the same number. There are over eleven hundred numbers in this catalog.

Big Ben Chime Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
C						
Cap—0466	Cap, Alarm, Wind, Dust	69NS-B-C-D-F	69	\$.30	\$.25	\$.20
Cap—0478	Cap, Time, Wind, Dust	69NS-B-C-D-F	69	.30	.25	.20
Cas—0614	Case (Front of case only) (Black Clock)	69C	69C	8.35	2.50	.90
Cas—0618	Case (Front of case only) (Ivory Clock)	69D	69D	8.35	2.50	.90
Cas—0638	Case (with Base) (Ivory Clock)	69F	69F	15.00	4.50	1.60
Cas—0682	Case, Body	69C-D	69C	4.00	1.20	.45
Cas—0686	Case, Body	69F	69E	4.00	1.20	.45
Cla —0706	Clamp, Base	69C-D	S4D	.50	.35	.25
Cov—0786	Cover, Regulator, Dust	69C-D-F	69C	.50	.35	.25
Cup—0834	Cup, Cardboard	69C-D	69C	.50	.35	.25
Cup—0838	Cup, Cardboard	69F	69E	.50	.35	.25
D						
Dia—0866	Dial, Luminous (Black Clock)	69C	69C	11.00	3.30	1.15
Dia—0870	Dial, Luminous (Ivory Clock)	69D	69D	11.00	3.30	1.15
Dia—0874	Dial, Luminous (Ivory Clock)	69F	69F	11.00	3.30	1.15
Dia—0954	Dial, Plain (Black Clock)	69C	69C	1.85	.55	.35
Dia—0958	Dial, Plain (Ivory Clock)	69D	69D	1.85	.55	.35
Dia—0962	Dial, Plain (Ivory Clock)	69F	69F	1.85	.55	.35
F						
Fin—1106	Finger, Stop	All	69	.50	.35	.25
G						
Gas—1154	Gasket	69NS-B-C-D-F	69	.30	.25	.20
Gla—1182	Glass	All ConvexModels	69	1.85	.55	.35
Gon—1274	Gong (Black Clock)	69C	69C	5.25	1.60	.55
Gon—1278	Gong (Ivory Clock)	69D	69D	5.25	1.60	.55
Gon—1282	Gong (Ivory Clock)	69F	69F	5.25	1.60	.55
Gov—1334	Governor	All	69	2.40	.75	.40
H						
Ham—1346	Hammer	69C-D	69C	.70	.45	.30
Ham—1350	Hammer	69F	69E	.70	.45	.30
Han—1406	Hands, Luminous (Pair Hour & Minute)	69-NS-B-C	69	3.00	.90	.40
Han—1410	Hands, Luminous (Pair Hour & Minute) (Ivory Clock)	69D	69D	3.00	.90	.40

A helpful hint

Replacing Broken Time and Alarm Springs in Big Ben Chime Alarm

Attach the outer hole-end of the time spring to the hook in the time bridge barrel. Work coils of spring back into the barrel.

There is no barrel to hold the alarm spring. Take off the stop finger nut and the stop finger. Remove the pillar nut that holds one side of the alarm bridge. Take out the three alarm bridge screws. Take the alarm bridge and the alarm main wheel out of the movement.

Reassemble alarm main wheel with new spring. Wind the spring fully and replace the stop finger so that the finger fits into the last notch in stop cam when stop cam arm is over hammer pivot. If slabbing on shaft is not in position to allow stop finger to fall into this notch, the alarm spring should be run down enough to allow it to fall in.

Big Ben Chime Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Han—1414	Hands, Luminous (Pair Hour & Minute) (Ivory Clock)	69F	69F	\$3.00	\$.90	\$.40
Han—1486	Hands, Plain (Pair Hour and Minute)	69-NS-B-C	69	.70	.45	.30
Han—1490	Hands, Plain (Pair Hour & Minute) (Ivory Clock)	69D	69D	.70	.45	.30
Han—1494	Hands, Plain (Pair Hour & Minute) (Ivory Clock)	69F	69F	.70	.45	.30
Hol—1706	Holder, Movement	69C-D	69C	2.00	.65	.35
Hol—1710	Holder, Movement	69F	69E	2.00	.65	.35

I

Ind—1774	Indicator, Alarm Hand (Luminous Dial) (Black Clock)	69C	69C	.50	.35	.25
Ind—1778	Indicator, Alarm Hand (Luminous Dial) (Ivory Clock)	69D	69D	.50	.35	.25
Ind—1782	Indicator, Alarm Hand (Luminous Dial) (Ivory Clock)	69F	69F	.50	.35	.25
Ind—1822	Indicator, Alarm Hand (Plain Dial) (Black Clock)	69C	69C	.50	.35	.25
Ind—1826	Indicator, Alarm Hand (Plain Dial) (Ivory Clock)	69D-F	69D	.50	.35	.25

K

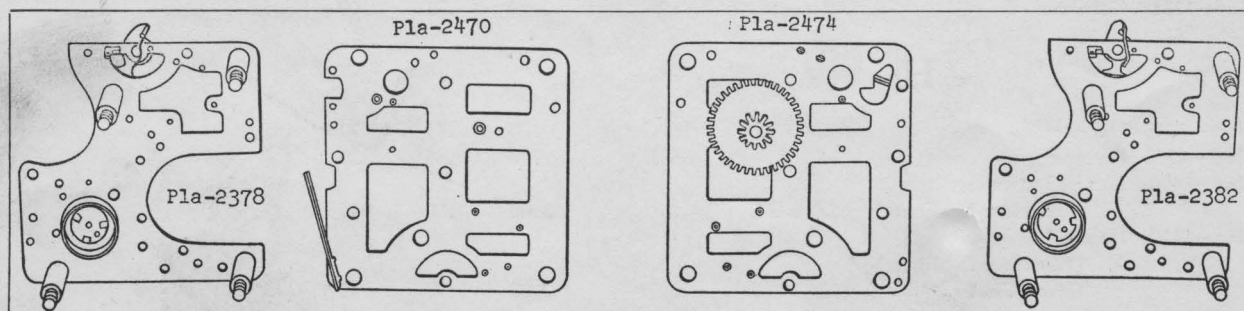
Key—1910	Key, Alarm and Time Inter- changeable (Black Clock)	69C	69C	.50	.40	.25
Key—1914	Key, Alarm and Time Inter- changeable (Ivory Clock)	69D-F	69D	.50	.40	.25
Kno—1974	Knob, Switch (Alarm Shut-off) (Black Clock)	69-NS-C	61C	.30	.25	.20

In ordering outside parts for clocks that have been made in both black and ivory, please be sure to order the parts by the numbers that designate the parts for the color clock for which the parts are desired.

A helpful hint

Loose Alarm Trip Friction in Clocks with Threaded Alarm Sets

This trouble is usually caused by a bump or fall. To remedy, unscrew the alarm set, hold the trip staff with a pair of flat-nosed pliers and tighten the friction nut with another pair of pliers.



Illustrations are one-fourth actual size

Big Ben Chime Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Kno—1978	Knob, Switch (Alarm Shut-off) (Ivory Clock)	69B-D	61P	\$.30	\$.25	\$.20
Kno—1982	Knob, Switch (Alarm Shut-off) (Ivory Clock)	69F	S5J	.30	.25	.20
L						
Lev—2066	Lever, Time (Pallet, Fork and Arbor)	All	69	1.85	.55	.35
N						
Nut—2190	Nut, Stop Finger	All	69	.30	.25	.20
Nut—2202	Nut, Friction	69C-D	69C	.30	.25	.20
Nut—2210	Nut, Movement Holder	69C-D-F	S2B	.30	.25	.20
Nut—2218	Nut, Lock	All but 69F	69	.30	.25	.20
Nut—2230	Nut, Pillar	All	69	.30	.25	.20
Nut—2234	Nut, Pillar	All	BB3	.30	.25	.20
P						
Pil—2270	Pillar, Fifth	All	69	.30	.25	.20
Pin—2274	Pin, Motion Wheel	All but 69F	Am2	.30	.25	.20
Pin—2330	Pinion, Shuck	All	Am2	.30	.25	.20
Pla—2378	Plate, Back	69C-D	69C	3.00	.90	.40
Pla—2382	Plate, Back	69F	69E	4.65	1.40	.50
Pla—2470	Plate, Front	All but 69F	69	4.00	1.20	.45
Pla—2474	Plate, Front	69F	69E	4.00	1.20	.45
S						
Scr—2666	Screw, Balance	All but 69F	Am2	.30	.25	.20
Scr—2670	Screw, Balance	69F	61V	.30	.25	.20
	Screw, Base Order Screw, Movement, Scr—2894	69C-D				
Scr—2710	Screw, Bell Bracket	69F	S5	.30	.25	.20
Scr—2714	Screw, Bridge	All but 69F	bb4	.30	.25	.20
Scr—2722	Screw, Bridge	69F	61V	.30	.25	.20
Scr—2726	Screw, Bridge	All but 69F	BB3	.30	.25	.20
Scr—2762	Screw, Case	69C-D	S4D	.30	.25	.20
Scr—2766	Screw, Case (Ivory Clock)	69D-F	69D	.30	.25	.20
Scr—2770	Screw, Case (Ivory Clock)	69F	69F	.30	.25	.20
Scr—2842	Screw, Gong (Black Clock)	69C	48E	.30	.25	.20
Scr—2846	Screw, Gong (Ivory Clock)	69D-F	69D	.30	.25	.20
Scr—2894	Screw, Movement					
	Used as base screw	69C-D	S1A	.30	.25	.20
Scr—2898	Screw, Pillar	All but 69F	4Wa	.30	.25	.20
	Screw, Trip Spring Order Screw, Bridge Scr—2726	69C-D				
Sea—2938	Seal, Center	69-NS-B-C-D-F	69	.30	.25	.20
Sea—2954	Seal, Alarm Set	69F	69E	.30	.25	.20
Set—2978	Set, Alarm (Black Clock)	69C	69C	.50	.35	.25

A helpful hint

Loose Friction Alarm Trip in Big Ben Loud and Big Ben Chime that have Staked Alarm Sets

In these clocks the loose trip friction is usually caused by an accident—a bump or a fall. If the trip staff is bent or damaged, the staff and the friction washer should be replaced. If the parts are not damaged, detach the three screws to remove front case, then place clock face down and support alarm indicator on steel bench block. Block must be high enough so as not to ruin hands or dial. While holding clock, supported by indicator on block, tap a few times on alarm set knob until proper friction is obtained. If friction is drawn up too tight, alarm set should be tapped lightly until loosened, but the bench block should not be used.

Illustrations on pages 12 & 13

Big Ben Chime Alarm

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
Set—2982	Set, Alarm (Ivory Clock)	69D	69D	\$.50	\$.35	\$.25
Set—2986	Set, Alarm (Ivory Clock)	69F	69F	.50	.35	.25
	Set, Hand Order Turn, Center					
Spa—3202	Spacer, Alarm Set	69F	69E	.30	.25	.20
Spr—3250	Spring, Alarm	All	69	1.35	.50	.35
Spr—3262	Spring, Dust Cap	69NS-B-C-D-F	69	.30	.25	.20
Spr—3294	Spring, Hair	All	bB4	1.50	.50	.35
<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—3974</i>						
Spr—3358	Spring, Center Seal	All	69	.30	.25	.20
Spr—3366	Spring, Alarm Set Seal	69F	69E	.30	.25	.20
Spr—3374	Spring, Hammer Shaft	69F	69E	.30	.25	.20
Spr—3418	Spring, Time	All	69	1.85	.55	.35
Spr—3438	Spring, Trip	All	69	.30	.25	.20
Sta—3474	Staff, Switch	69C-D	69C	.50	.40	.25
Sta—3478	Staff, Switch	69F	69E	.50	.40	.25
Sta—3518	Staff, Trip	69C-D	69C	.50	.40	.25
Sta—3522	Staff, Trip	69F	69E	.50	.40	.25

T

Tur—3662	Turn, Center (Hand Set) (Black Clock)	69C	69C	.50	.35	.25
Tur—3666	Turn, Center (Hand Set) (Ivory Clock)	69D	69D	.50	.35	.25
Tur—3670	Turn, Center (Hand Set) (Ivory Clock)	69F	69F	.50	.35	.25

W

Was—3762	Washer, Movement Holder	All	69	.30	.25	.20
Was—3806	Washer, Center Seal	69-NS-B-C-D	69	.30	.25	.20
Was—3810	Washer, Center Seal	69F	69E	.30	.25	.20
Was—3838	Washer, Alarm Set, Lock	All but 69F	Am60	.30	.25	.20
Was—3842	Washer, Alarm Set, Seal	69F	69E	.30	.25	.20
Was—3870	Washer, Trip Staff Friction	69NS-B-C-D	BB3	.30	.25	.20
Was—3874	Washer, Trip Staff Friction	69F	48D	.30	.25	.20
Was—3878	Washer, Trip Staff, Round	All	66J	.30	.25	.20
Was—3886	Washer, Trip Staff, Small	All but 69F	Am2	.30	.25	.20
Was—3918	Washer, Motion Wheel	All but 69F	Am2	.30	.25	.20
Wed—3930	Wedge, Hairspring	All	bB3	.30	.25	.20
Whe—3974	Wheel, Balance, with Hairspring	All	69	5.65	1.70	.60
Whe—4010	Wheel, Balance, without Hairspring	All	69	3.00	.90	.40
Whe—4042	Wheel, Center	All	69	1.85	.55	.35
Whe—4138	Wheel, Alarm Escape	All but 69F	69	1.50	.50	.35
Whe—4142	Wheel, Alarm Escape	69F	69E	.70	.45	.30
Whe—4162	Wheel, Time Escape	All	bB4	1.50	.50	.35
Whe—4190	Wheel, Fourth	All	bB4	1.50	.50	.35
Whe—4250	Wheel, Hour	All but 69F	Am2	.70	.45	.30
Whe—4254	Wheel, Hour	69F	66	.50	.35	.25
Whe—4342	Wheel, Alarm Main	All	69	2.00	.65	.35

A helpful hint

Broken Balance Points

The most satisfactory way to repair a clock with worn or broken balance points, is to replace the balance wheel. Balance points may be repointed by chucking staff in lathe and using a fine grain abrasive stone and oil. In sharpening balance points, be sure to maintain the original angle.

To assure getting the right parts, parts should be ordered by quantity, stock number, name of clock, model number, name of part and part used number.

Illustrations on pages 12 & 13

Big Ben Chime Alarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Whe—4362	Wheel, Time Main	All	69	\$1.00	\$.50	\$.35
Whe—4378	Wheel, Motion	All but 69F	Am2	.70	.45	.30
	Wheel, Motion Order Plate, Front, Pla—2474	69F				
Whe—4402	Wheel, Alarm Second	All but 69F	69	.70	.45	.30
Whe—4406	Wheel, Alarm Second	69F	69E	.70	.45	.30
	Wheel, Third Order Wheel, Time Third, Whe—4514					
Whe—4510	Wheel, Alarm Third	All	69	.70	.45	.30
Whe—4514	Wheel, Time Third	All	69	.70	.45	.30
Whe—4526	Wheel, Trip	All but 69F	69	.70	.45	.30
Whe—4530	Wheel, Trip	69F	66	.50	.35	.25

Illustrations on pages 12 & 13

A helpful hint

When in Doubt

Check the name and model number of the clock; compare the drawings with the part; look for the stock number. If still in doubt send the old part.

Baby Ben

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
	Barrel, Alarm, with Spring	Order Bridge, Alarm with Barrel and Spring, Bri—0318				
	Barrel, Time, with Spring	Order Bridge, Time with Barrel and Spring, Bri—0374				
Bas—0142	Base (Black Clock)	61R	61R	\$5.25	\$1.60	\$.55
Bas—0146	Base (Ivory Clock)	61S	61S	5.25	1.60	.55
	Base	Order Case	61V-W			
	Bell	Order Gong				
	Bridge, Alarm (Only)	Order				
	Bridge, Alarm with Barrel but	without Spring, Bri—0314	61N-P-R-S-V-W			
Bri—0314	Bridge, Alarm, with Barrel	but without Spring	61N-P-R-S-V-W	61N	1.50	.50
Bri—0318	Bridge, Alarm, with Barrel	and Spring	61N-P-R-S-V-W	61N	3.00	.90
Bri—0374	Bridge, Time, with Barrel	and Spring	61N-P-R-S-V-W	61N	4.00	1.20
Bri—0386	Bridge, Time with Barrel	but without Spring	61N-P-R-S-V-W	61N	1.50	.50
Bus—0422	Bushing, Rubber	61L-M-N-P-R-S-V-W	61L	.30	.25	.20

C

Cas—0606	Case (Front of case only) (Black Clock)	61R	61R	6.00	1.80	.65
Cas—0610	Case (Front of case only) (Ivory Clock)	61S	61S	6.00	1.80	.65
Cas—0630	Case (with Base) (Black Clock)	61V	61V	12.00	3.60	1.30

All Baby Ben listed have been made with both black and ivory cases and regular and luminous dials. Please bear this in mind when ordering outside parts.

Illustrations on page 19

A helpful hint

Baby Ben Construction Change

On first production of models, 61V and 61W, switch staffs had a groove turned in one end. There are no more of these available. Make repairs by substituting switch staffs (black clock 61V, Sta-3466; ivory clock 61W, Sta-3470) as listed and illustrated. Also change to current design trip springs (Spr-3434) as the old ones will not engage the new staffs properly.

Baby Ben

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Cas—0634	Case (with Base) (Ivory Clock)	61W	61W	\$12.00	\$3.60	\$1.30
Cas—0666	Case, Body (Black Clock)	61R	61R	4.00	1.20	.45
Cas—0670	Case, Body (Ivory Clock)	61S	61S	4.00	1.20	.45
Cas—0674	Case, Body (Black Clock)	61V	61V	4.00	1.20	.45
Cas—0678	Case, Body (Ivory Clock)	61W	61W	4.00	1.20	.45
Cla—0702	Clamp, Base	61R-S	61R	.50	.35	.25
Cup—0826	Cup, Cardboard	61R-S	61R	.50	.35	.25
Cup—0830	Cup, Cardboard	61V-W	61V	.50	.35	.25

D

Dia—0850	Dial, Luminous (Black Clock)	61R	61R	7.50	2.25	.80
Dia—0854	Dial, Luminous (Ivory Clock)	61S	61S	7.50	2.25	.80
Dia—0858	Dial, Luminous (Black Clock)	61V	61V	7.50	2.25	.80
Dia—0862	Dial, Luminous (Ivory Clock)	61W	61W	7.50	2.25	.80
Dia—0938	Dial, Plain (Black Clock)	61R	61R	1.35	.50	.35
Dia—0942	Dial, Plain (Ivory Clock)	61S	61S	1.35	.50	.35
Dia—0946	Dial, Plain (Black Clock)	61V	61V	1.35	.50	.35
Dia—0950	Dial, Plain (Ivory Clock)	61W	61W	1.35	.50	.35

G

Gla—1174	Glass	61R-S	61R	1.35	.50	.35
Gla—1178	Glass	61V-W	61V	1.35	.50	.35
Gon—1258	Gong (Black Clock)	61R	61R	5.25	1.60	.55
Gon—1262	Gong (Ivory Clock)	61S	61S	5.25	1.60	.55
Gon—1266	Gong (Black Clock)	61V	61V	5.25	1.60	.55
Gon—1270	Gong (Ivory Clock)	61W	61W	5.25	1.60	.55

H

Ham—1338	Hammer	61R-S	61R	.70	.45	.30
Ham—1342	Hammer	61V-W	61V	.70	.45	.30
Han—1390	Hands, Luminous (Pair Hour & Minute)	61N-P-R	61N	3.00	.90	.40
Han—1394	Hands, Luminous (Pair Hour & Minute) (Ivory Clock)	61S	61S	3.00	.90	.40
Han—1398	Hands, Luminous (Pair Hour & Minute) (Black Clock)	61V	61V	3.00	.90	.40
Han—1402	Hands, Luminous (Pair Hour & Minute) (Ivory Clock)	61W	61W	3.00	.90	.40
Han—1470	Hands, Plain (Pair Hour & Minute)	61N-P-R	61N	.70	.45	.30
Han—1474	Hands, Plain (Pair Hour & Minute) (Ivory Clock)	61S	61S	.70	.45	.30
Han—1478	Hands, Plain (Pair Hour & Minute) (Black Clock)	61V	61V	.70	.45	.30

A helpful hint

To Refinish Luminous Dials and Hands

The coating of luminous dials and hands is not done in the Westclox factory and, therefore, luminous compound is not sold in the Westclox material department. Where luminous dials or hands need re-coating, it is more satisfactory to order new parts.

Some watchmakers find it restful to turn for an hour from jeweled watch repairing to repairing clocks. —Particularly Westclox.

Baby Ben

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Han—1482	Hands, Plain (Pair Hour & Minute) (Ivory Clock)	61W	61W	\$.70	\$.45	\$.30
Hol—1698	Holder, Movement	61R-S	61R	2.00	.65	.35
Hol—1702	Holder, Movement	61V-W	61V	2.00	.65	.35

A helpful hint

How to fix Loose Center Friction

Take the movement from the case, rest the back plate on a bench block or jeweler's anvil with shaft free, but close to the block. Insert slotted wedge between the center wheel collet and the back plate. Then, tap the upper end of the shaft with a hammer to tighten the friction. Test the movement to see that all parts are working freely.

I

Ind—1762	Indicator, Alarm Hand (Luminous Dial)	61N-P-R	61N	.50	.35	.25
Ind—1766	Indicator, Alarm Hand (Luminous Dial) (Ivory Clock)	61S	61S	.50	.35	.25
Ind—1770	Indicator, Alarm Hand (Luminous Dial)	61V-W	61W	.50	.35	.25
Ind—1814	Indicator, Alarm Hand (Plain Dial) (Black Clock)	61R-V	61R	.50	.35	.25
Ind—1818	Indicator, Alarm Hand (Plain Dial) (Ivory Clock)	61S-W	61S	.50	.35	.25

K

Key—1902	Key, Alarm and Time Interchangeable (Black Clock)	61R-V	61R	.50	.40	.25
Key—1906	Key, Alarm and Time Interchangeable (Ivory Clock)	61S-W	61S	.50	.40	.25
Kno—1974	Knob, Switch (Alarm Shut-off) (Black Clock)	61L-N-R	61C	.30	.25	.20
Kno—1978	Knob, Switch (Alarm Shut-off) (Ivory Clock)	61P-S	61P	.30	.25	.20
	Knob, Switch (Alarm Shut-off) <i>Order Staff, Switch</i>	61V-W				

L

Lev—2062	Lever, Time (Pallet, Fork and Arbor)	All	bB4	1.85	.55	.35
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N

Nut—2178	Nut, Case	61L-M-N-P-R-S	61L	.30	.25	.20
Nut—2182	Nut, Case	61V-W	61V	.30	.25	.20
Nut—2194	Nut, Friction	All but 61V-W	Am2	.30	.25	.20
Nut—2198	Nut, Friction	61V-W	72	.30	.25	.20
Nut—2222	Nut, Pillar	All but 61V-W	bB3	.30	.25	.20
Nut—2226	Nut, Pillar	61V-W	61V	.30	.25	.20

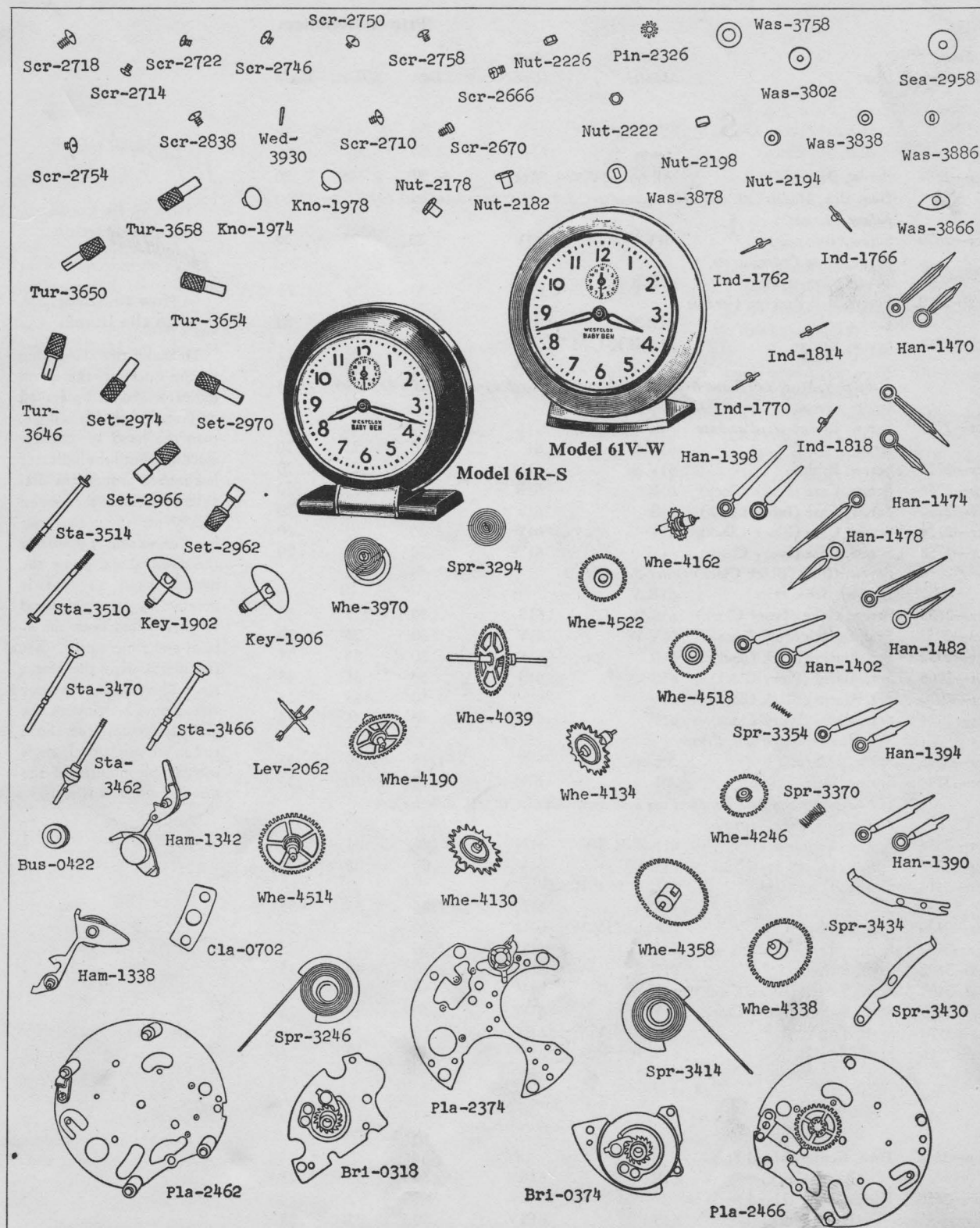
P

Pin—2326	Pinion, Shuck	All	bB4	.30	.25	.20
Pla—2374	Plate, Back	All	bB4	2.40	.75	.40
Pla—2462	Plate, Front	61L-M-N-P-R-S	61L	3.35	1.00	.40
Pla—2466	Plate, Front	61V-W	61V	3.35	1.00	.40

A philosopher once said that next best to knowing a thing was knowing where to find it. If the "thing" is a Westclox part it will be found in this catalog.

Illustrations on page 19

Baby Ben



Illustrations are one-fourth actual size

Baby Ben

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
S						
Scr—2666	Screw, Balance	All but 61V-W	Am2	\$.30	\$.25	\$.20
	<i>Baby Ben, Models 61R and 61S, made after October 1947 were fitted with 61V (Scr—2670) balance screws.</i>					
Scr—2670	Screw, Balance	61V-W	61V	.30	.25	.20
	Screw, Base Order Screw, Bridge, Scr—2718	61R-S				
Scr—2710	Screw, Bell Bracket Used as gong screw	61R-V	S5	.30	.25	.20
Scr—2714	Screw, Bridge	61A-B-K-L-M-N- P-R-S	bB4	.30	.25	.20
	<i>Baby Ben, Models 61R and 61S, made after August 1948 were fitted with 61V (Scr—2722) bridge screws.</i>					
Scr—2718	Screw, Bridge Used as base screw	61R-S	S1	.30	.25	.20
Scr—2722	Screw, Bridge	61V-W	61V	.30	.25	.20
Scr—2746	Screw, Case (Black Clock)	61R	61R	.30	.25	.20
Scr—2750	Screw, Case (Ivory Clock)	61S	61S	.30	.25	.20
Scr—2754	Screw, Case (Black Clock)	61V	61V	.30	.25	.20
Scr—2758	Screw, Case (Ivory Clock)	61W	61W	.30	.25	.20
	Screw, Gong (Black Clock) Order Screw, Bell Bracket, Scr—2710	61R-V				
Scr—2838	Screw, Gong (Ivory Clock)	61S-W	61S	.30	.25	.20
Sea—2958	Seal, Switch Staff, Dust	61V-W	61V	.30	.25	.20
Set—2962	Set, Alarm (Black Clock)	61R	61R	.50	.35	.25
Set—2966	Set, Alarm (Ivory Clock)	61S	61S	.50	.35	.25
Set—2970	Set, Alarm (Black Clock)	61V	61V	.50	.35	.25
Set—2974	Set, Alarm (Ivory Clock)	61W	61W	.50	.35	.25
	Set, Hand Order Turn, Center					
Spr—3246	Spring, Alarm	All	bB3	1.15	.50	.35
Spr—3294	Spring, Hair	All	bB4	1.50	.50	.35
	<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—3970</i>					
Spr—3354	Spring, Center Seal	61N-P-R-S-V-W	61N	.30	.25	.20
Spr—3370	Spring, Switch Staff Seal	61V-W	61V	.30	.25	.20
Spr—3414	Spring, Time	61L-M-N-P-R-S- V-W	61L	1.85	.55	.35
Spr—3430	Spring, Trip	All but 61V-W	bB4	.30	.25	.20
Spr—3434	Spring, Trip	61V-W	61V	.30	.25	.20
Sta—3462	Staff, Switch	61R-S	61R	.50	.40	.25
Sta—3466	Staff, Switch (Black Clock)	61V	61V	.50	.40	.25
Sta—3470	Staff, Switch (Ivory Clock)	61W	61W	.50	.40	.25
Sta—3510	Staff, Trip	All but 61V-W	bB3	.50	.40	.25
Sta—3514	Staff, Trip	61V-W	61V	.50	.40	.25

T

Tur—3646	Turn, Center (Hand Set) (Black Clock)	61R	61R	.50	.35	.25
Tur—3650	Turn, Center (Hand Set) (Ivory Clock)	61S	61S	.50	.35	.25

A helpful hint

How to Stake on the Hands

To make the alarm ring at the time set, the alarm indicator should be staked on first. After this is done, turn the hand set counter clockwise until the indicator has moved around the dial at least once and then set on six. Next stake the hour hand on so that it points to the numeral six. Then the minute hand so that it points to the numeral twelve. Wind both the alarm and time spring. Set the alarm with the alarm set. Then move the hour and minute hands with the hand set to test the alarm and make sure that it rings within five minutes of the time for which it is set.

Illustrations on page 19

Baby Ben

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Tur—3654	Turn, Center (Hand Set) (Black Clock)	61V	61V	\$.50	\$.35	\$.25
Tur—3658	Turn, Center (Hand Set) (Ivory Clock)	61W	61W	.50	.35	.25

W

Was—3758	Washer, Movement Holder	61L-M-N-P-R-S- V-W	61L	.30	.25	.20
Was—3802	Washer, Center Seal	61N-P-R-S-V-W	61N	.30	.25	.20
Was—3838	Washer, Alarm Set, Lock	All	Am60	.30	.25	.20
Was—3866	Washer, Trip Staff, Friction	All	bB3	.30	.25	.20
Was—3878	Washer, Trip Staff, Round	All	66J	.30	.25	.20
Was—3886	Washer, Trip Staff, Small	All	Am2	.30	.25	.20
Wed—3930	Wedge, Hairspring	All	bB3	.30	.25	.20
Whe—3970	Wheel, Balance, with Hair- spring	All	61A	5.65	1.70	.60
Whe—4006	Wheel, Balance, without Hairspring	All	61A	3.00	.90	.40
Whe—4039	Wheel, Center	61N-P-R-S-V-W	61N	1.50	.50	.35
Whe—4130	Wheel, Alarm Escape	All but 61V-W	bB4	1.50	.50	.35
Whe—4134	Wheel, Alarm Escape	61V-W	61V	1.50	.50	.35
Whe—4162	Wheel, Time Escape	All	bB4	1.50	.50	.35
Whe—4190	Wheel, Fourth	All	bB4	1.50	.50	.35
Whe—4246	Wheel, Hour	All	bB4	.70	.45	.30
Whe—4338	Wheel, Alarm Main	All	bB4	1.35	.50	.35
Whe—4358	Wheel, Time Main	All	bB3	1.00	.50	.35
	Wheel, Motion Order Plate, Front	61R-S-V-W				
	Wheel, Third Order Wheel, Time Third, Whe—4514	61L-M-N-P-R-S- V-W				
Whe—4514	Wheel, Time Third	61L-M-N-P-R-S- V-W	69	.70	.45	.30
Whe—4518	Wheel, Trip	All but 61V-W	bB4	.70	.45	.30
	<i>Changed from bB4 to Model 71 in June 1948.</i>					
Whe—4522	Wheel, Trip	61V-W	71	.70	.45	.30

A helpful hint

Should Parts Not Fit

Improvements in construction are made from time to time. Sometimes the improvements make it necessary to change several parts. Should one get a part that will not fit the timepiece, send the new part and the old part to the factory. The needed part will be supplied if it is available.

THE watchmaker who takes pride in the work he turns out usually recommends the complete cleaning and overhauling of all timepieces that have been in use over a year. He knows that a movement that has been in service for any length of time should be thoroughly cleaned and reoiled. He also knows that all worn parts must be repaired or replaced if he is to turn out a first-class job.

It is often cheaper to replace a worn part than to try to "doctor" it up. With an ample stock of replacement parts at hand, a new part can be slipped in to replace the worn part and a more satisfactory repair job turned out. For instance, balance screws are inexpensive yet a new balance screw often means the difference between a first-class repair job and just an ordinary repair job. Replacing the balance wheel saves repointing the balance points and often assures a more satisfactory repair job.—It also saves the watchmaker's time.

When speaking of timesavers, one must not forget the advantages of using detachable bridges and springs in barrels. On Big Ben Loud one can buy the alarm spring in the barrel (Bar—0122) and the time spring complete with barrel and bridge (Bri—0382); on Big Ben Chime the time spring can be purchased with bridge and barrel (Bri—0378); Baby Ben has the alarm bridge with barrel and spring (Bri—0318) and the time bridge with barrel and spring (Bri—0374).

Illustrations on page 19

Travalarm

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
Bac—0074	Back, Moulded (Black Clock)	71	71	\$6.50	\$1.95	\$.70
Bac—0078	Back, Moulded (Ivory Clock)	71A	71A	6.50	1.95	.70
Bac—0082	Back, Moulded (Walnut Clock)	71A-1	71A-1	6.50	1.95	.70
Bar—0134	Barrel, with Spring	All	71	5.00	1.50	.55
Bar—0138	Barrel, without Spring	All	71	1.00	.50	.35
	Barrel, Time, with Spring <i>Order Barrel, with Spring, Bar—0134</i>					
	<i>Bell Order Gong</i>					
Bez—0194	Bezel (Black Clock)	71	71	1.35	.50	.35
Bez—0198	Bezel (Ivory Clock)	71A	71A	1.35	.50	.35
Bez—0202	Bezel (Walnut Clock)	71A-1	71A-1	1.35	.50	.35
Bri—0326	Bridge, Barrel	All	71	1.00	.50	.35
Bri—0354	Bridge, Motion Works	All	71	.60	.45	.30

C

Cap—0454	Cap, Case (Black Clock)	71	71	1.85	.55	.35
Cap—0458	Cap, Case (Ivory Clock)	71A	71A	1.85	.55	.35
Cap—0462	Cap, Case (Walnut Clock)	71A-1	71A-1	1.85	.55	.35
	<i>Case (Front of case only) Order Front</i>					
Cas—0650	Case, Complete (<i>All Plastic, Metal Parts and Crystal</i>) (Black Clock)	71	71	35.00	9.00	3.20
Cas—0654	Case, Complete (<i>All Plastic, Metal Parts and Crystal</i>) (Ivory Clock)	71A	71A	35.00	9.00	3.20
Cas—0658	Case, Complete (<i>All Plastic, Metal Parts and Crystal</i>) (Walnut Clock)	71A-1	71A-1	35.00	9.00	3.20
Cov—0774	Cover (Black Clock)	71	71	2.60	.80	.40
Cov—0778	Cover (Ivory Clock)	71A	71A	2.60	.80	.40
Cov—0782	Cover (Walnut Clock)	71A-1	71A-1	2.60	.80	.40
Cry—0802	Crystal, Unbreakable	All	71	1.35	.50	.35

D

Dia—0898	Dial, Luminous	All	71A	9.00	2.65	1.00
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F

Fro—1142	Front, Moulded (Black Clock)	71	71	6.50	1.95	.70
Fro—1146	Front, Moulded (Ivory Clock)	71A	71A	6.50	1.95	.70
Fro—1150	Front, Moulded (Walnut Clock)	71A-1	71A-1	6.50	1.95	.70

The Travalarm black is Model 71; the ivory 71A; the walnut 71A-1. Where parts are the same except for color there is usually only one illustration. Please be sure to order by the right number.

A helpful hint

A Remedy for Enlarged Pivot Holes

Plates with enlarged pivot holes should be replaced with new ones but when a new plate is not available, place the old plate in a jeweler's staking set and, using a hole-closing punch, tap with a small hammer to reduce the size of the pivot hole. Then ream out the hole to the desired diameter.

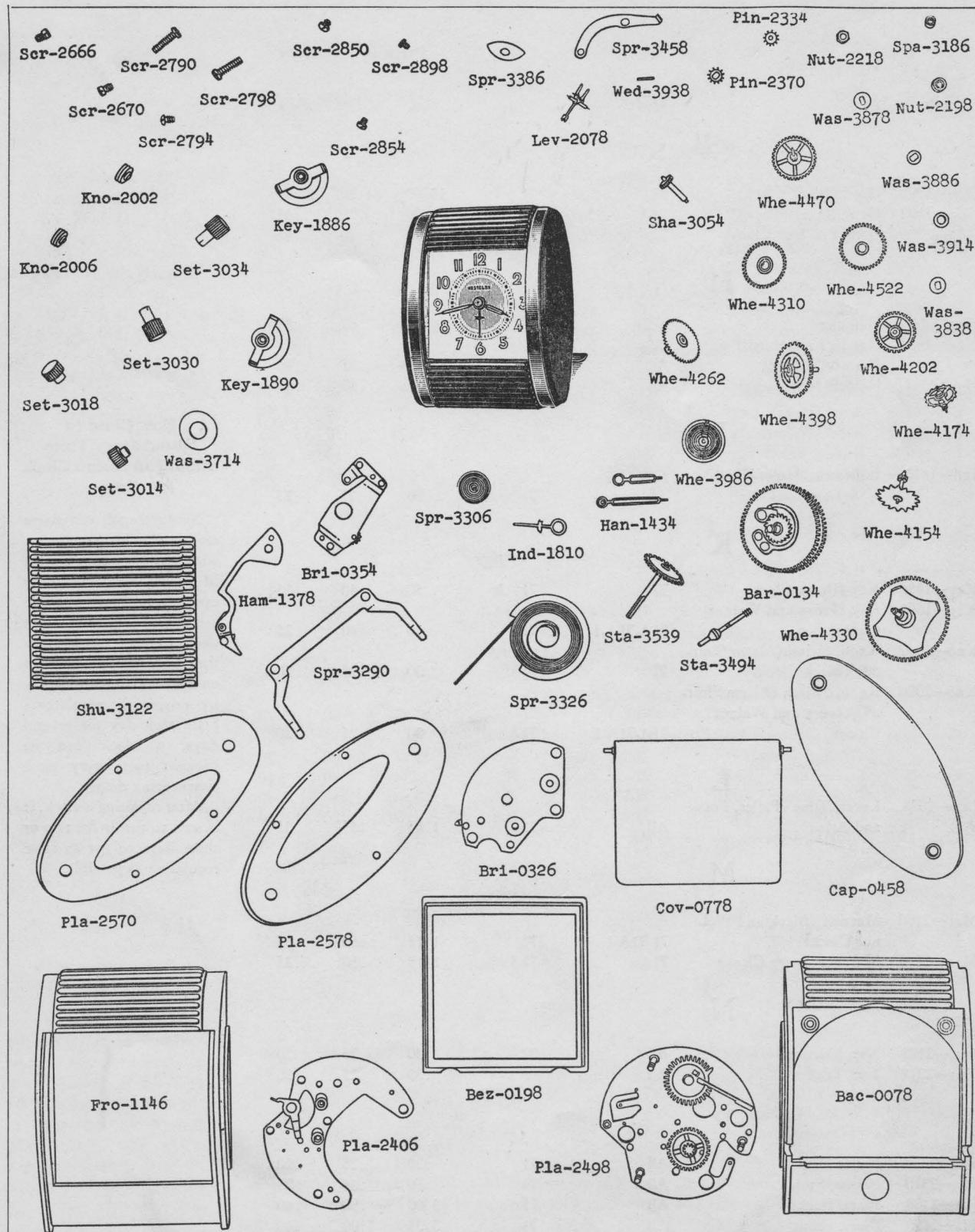
A helpful hint

Remittance with Order

Repair material is not sold from the factory to the retailer on an open account or C. O. D. basis. Where the order is placed with the factory a remittance to cover the cost of the material, postage and, tax where in order, should accompany the order.

Illustrations on page 23

Travalarm



Illustrations are one-fourth actual size

Travalarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
G						
Gon—1298	Gong (Black Clock)	71	71	\$4.00	\$1.20	\$.45
Gon—1302	Gong (Ivory Clock)	71A	71A	4.00	1.20	.45
Gon—1306	Gong (Walnut Clock)	71A-1	71A-1	4.00	1.20	.45
H						
Ham—1378	Hammer	All	71	1.15	.50	.35
Han—1434	Hands, Luminous (Pair Hour & Minute)	All	71	2.50	.75	.40
Hol—1718	Holder, Movement	All	71	1.35	.50	.35
I						
Ind—1810	Indicator, Alarm Hand (Luminous Dial)	All	71	.50	.35	.25
K						
Key—1886	Key (Black Clock)	71	71	.50	.40	.25
Key—1890	Key (Ivory and Walnut Clocks)	71A-71A-1	71A	.50	.40	.25
Kno—2002	Knob, Switch (Alarm Shut- off) (Black Clock)	71	71	.30	.25	.20
Kno—2006	Knob, Switch (Alarm Shut- off) (Ivory and Walnut Clocks)	71A-71A-1	71A	.30	.25	.20
L						
Lev—2078	Lever, Time (Pallet, Fork and Arbor)	All	71	1.85	.55	.35
M						
Mat—2106	Matting (Black and Wal- nut Clocks)	71-71A-1	71	1.15	.50	.35
Mat—2110	Matting (Ivory Clock)	71A	71A	1.15	.50	.35
N						
Nut—2198	Nut, Friction	All	72	.30	.25	.20
Nut—2218	Nut, Lock	All	69	.30	.25	.20
P						
Pin—2334	Pinion, Shuck	All	71	.30	.25	.20
Pin—2370	Pinion, Stop	All	71	.50	.35	.25
Pla—2406	Plate, Back	All	71	3.00	.90	.40
Pla—2498	Plate, Front	All	71	3.35	1.00	.40

A helpful hint

How Close to Observatory Time Should an Alarm Clock Run

New spring-driven alarm clocks should keep time within two minutes a day. Most of them will keep even closer time, but one can hardly expect an alarm clock to keep observatory time. There is some leeway on the regulator, so usually by moving the regulator a little each day for several days, a clock can be brought to a very close timekeeping range.

After repairing a clock, it is well to run it for two or three days to get as close regulation as possible.

Illustrations on page 23

Travalarm

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Pla-2570	Plate, Left, Metal Side (Black Clock)	71	71	\$4.00	\$1.20	\$.45
Pla-2574	Plate, Left, Metal Side (Ivory & Walnut Clocks)	71A-71A-1	71A	4.00	1.20	.45
Pla-2578	Plate, Right, Metal Side (Black Clock)	71	71	4.00	1.20	.45
Pla-2582	Plate, Right, Metal Side (Ivory and Walnut Clocks)	71A-71A-1	71A	4.00	1.20	.45
S						
Scr-2666	Screw, Balance	All	Am2	.30	.25	.20
<i>Travalarm made after June 1949 were fitted with 61V (Scr-2670) balance screws.</i>						
Scr-2670	Screw, Balance	71A-71A-1	61V	.30	.25	.20
Scr-2790	Screw, Case (Black and Walnut Clocks)	71-71A-1	71	.30	.25	.20
Scr-2794	Screw, Case Inside Case	All	7J	.30	.25	.20
Scr-2798	Screw, Case (Ivory Clock)	71A	71A	.30	.25	.20
Scr-2850	Screw, Gong (Black Clock)	71	71	.30	.25	.20
Scr-2854	Screw, Gong (Ivory and Walnut Clocks)	71A-71A-1	71A	.30	.25	.20
Scr-2898	Screw, Pillar	All	4Wa	.30	.25	.20
Set-3014	Set, Alarm (Black Clock)	71	71	.50	.35	.25
Set-3018	Set, Alarm (Ivory and Walnut Clocks)	71A-71A-1	71A	.50	.35	.25
	Set, Hand Order Set, Time	All				
Set-3030	Set, Time (Black Clock)	71	71	.50	.35	.25
Set-3034	Set, Time (Ivory and Walnut Clocks)	71A-71A-1	71A	.50	.35	.25
Sha-3054	Shaft, Minute Hand	All	71	.50	.40	.25
Shu-3118	Shutter (Black Clock)	71	71	4.00	1.20	.45
Shu-3122	Shutter (Ivory Clock)	71A	71A	4.00	1.20	.45
Shu-3126	Shutter (Walnut Clock)	71A-1	71A-1	4.00	1.20	.45
Spa-3186	Spacer	All	71	.30	.25	.20
Spr-3290	Spring, Cover	All	71	.50	.40	.25
Spr-3306	Spring, Hair	All	6	1.50	.50	.35
<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe-3986</i>						
Spr-3326	Spring, Main	All	71	2.00	.65	.35
Spr-3386	Spring, Trip Staff, Friction	All	71	.30	.25	.20
	Spring, Time Order Spring, Main, Spr-3326					
Spr-3458	Spring, Trip	All	71	.30	.25	.20
Sta-3494	Staff, Switch	All	71	.50	.40	.25
Sta-3539	Staff, Trip	All	71	.70	.45	.30

T

Turn, Center (Hand Set)
Order Set, Time

All

The stock numbers used in this catalog run consecutively by alphabetical listing of parts. The three letters are the first three letters of the name of the part.

Illustrations on page 23

A helpful hint

How to Adjust a Balance Screw for Proper Balance End Shake

The balance screw should not hold the balance wheel too tight nor yet too loose—but just right.

Tighten the balance screw gently until the balance wheel runs freely with very little end-shake. (Caution should be exercised so as not to crush the balance points by over-tightening.)

A helpful hint

Everybody Knows How to Set a Clock

It is always best to set the hands of a clock clockwise. That is, turn them forward. Setting the hands counter clockwise—turning them backwards—may cause trouble.

If the hour and minute hands are turned back of the position for which the alarm hand is set, the dial train is forced into reverse. This strain does not do the clock any good and it may cause much harm. This will also change the alarm indicator setting if turned far enough.

Travalarm

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
W						
Was—3714	Washer, Bridge	All	71	\$.30	\$.25	\$.20
Was—3838	Washer, Alarm Set, Lock	All	Am60	.30	.25	.20
Was—3878	Washer, Trip Staff, Round	All	66J	.30	.25	.20
Was—3886	Washer, Trip Staff, Small	All	Am2	.30	.25	.20
Was—3914	Washer, Main Wheel, Small Thrust	All	71	.30	.25	.20
Wed—3938	Wedge, Hairspring	All	4Wa	.30	.25	.20
Whe—3986	Wheel, Balance, with Hair- spring	All	71	6.35	1.90	.70
Whe—4022	Wheel, Balance, without Hairspring	All	71	3.00	.90	.40
	Wheel, Center Order Wheel, Second, Whe—4398					
Whe—4154	Wheel, Alarm Escape	All	71	1.50	.50	.35
Whe—4174	Wheel, Time Escape	All	71	1.35	.50	.35
Whe—4202	Wheel, Fourth	All	71	1.35	.50	.35
Whe—4262	Wheel, Hour	All	71	.70	.45	.30
Whe—4310	Wheel, Indicator	All	71	.50	.40	.25
Whe—4330	Wheel, Main	All	71	2.15	.65	.40
	Wheel, Time Main Order Wheel, Main, Whe-4330					
	Wheel, Motion Order Plate, Front, Pla—2498					
Whe—4398	Wheel, Second	All	71	2.00	.65	.35
Whe—4470	Wheel, Third	All	71	1.35	.50	.35
Whe—4522	Wheel, Trip	All	71	.70	.45	.30

A helpful hint

To Adjust Clock that is Out of Beat

Take the movement out of the case, and by stopping the power of the train the lever will then come to rest. While holding the balance wheel, rotate hairspring collet with small bladed screwdriver or similar tool until the lever horn and impulse pin are on the same center line, clock will then be in beat.

Illustrations on page 23

Parts for clocks made prior to 1942 are available if the identical parts are used in clocks manufactured since the end of the second world war.

High Standards Guarantee Quality

IN the great Westclox factory one word is indelibly impressed on the minds of employees—"quality"—a watchword throughout the plant. Rigid standards are maintained at all times and whether it's blanking or stamping large parts or making tiny wrist watch parts that require 29,000 to fill an ordinary thimble, these standards are adhered to, thus insuring the maximum efficiency through proper materials, workmanship, and construction.

All component parts of Westclox clocks are manufactured to close dimensional tolerances, the limits being dictated by func-

tional requirements and the principles of interchangeable manufacture. A well-equipped and modern inspection department supervises the gauges and gauging procedure for the parts of watches and clocks, and at all time, maintains dimensional control of all fabricated parts and assemblies.

An important requirement in the manufacture of Westclox products is the rigid testing and regulating of the movements. All the movements undergo a test run on timing racks for a period long enough to be sure they run within the established limits for good timekeeping before leaving our plant.

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

FOR the convenience of the watchmaker who repairs Westclox, clocks having many parts in common are grouped together in this catalog. On the following pages are grouped the parts for the 66 Series.—The clocks listed above.

The parts are arranged alphabetically so if one knows the name of the part wanted he can readily find it listed. If the factory name for the part is not known, a glance at the illustrations on page twenty-nine will show the stock number, if it is a small part and illustrated, and enable one to locate the part by number. The larger

parts such as cases, dials, etc., are not illustrated but all parts are listed unless they are component parts of other units.

Under the name of the part, is listed the names of the 66 Series clocks in alphabetical order. Where more than one clock uses a part, the part carries the same "stock number" and "part used" number.

A list of parts that interchange with spring-driven clocks, pocket watches, or electric clocks will be found at the end of the clock listings. Starting on page ninety and continuing on pages ninety-one and ninety-two.

Price to Retailers

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
B						
BACK						
	Bellboy Order Case, Cas—0490					
	Bingo Order Case, with Base, Cas—0646					
Bac—0006	General	66AD	66AD	\$5.50	\$1.65	\$.60
	Raven Order Case, Cas—0494					
Bac—0010	Shelby Walnut	66AC-1-2	66AC-1	5.00	1.50	.55
Bac—0014	Spur Includes wire foot	66AA	66AA	4.00	1.20	.45
BASE						
	Bingo Order Case, with Base, Cas—0646					
Bas—0162	General	66AD	66AD	4.00	1.20	.45
BELL						
Bel—0178	Bellboy, Bingo, General, Raven, Spur, Shelby Order Back, Bac—0010		66L	1.00	.50	.35
BEZEL						
Bez—0186	Bellboy, Bingo		66AF	1.15	.50	.35
Bez—0190	Raven	66AJ-1	66AJ	1.15	.50	.35
BEZEL, Lower						
Bez—0278	Shelby	All	66AC	4.65	1.40	.50
BEZEL, Upper						
Bez—0286	Shelby	All	66AC	4.65	1.40	.50

A helpful hint

When Replacing a Ratchet Wheel Spring in the 66 Series

It is easy to replace a ratchet spring in a time main wheel or alarm main wheel provided the smaller loop-end is inserted first. Then after this is done, bring the larger loop-end around and drop it in place.

Repair Facts Worth Knowing

A RECENT nationwide survey showed that 83% of the jewelry stores repair Westclox unless they are too old or too badly damaged. All of the stores accepting clocks for repair, service Big Ben and Baby Ben, most of them accept Westclox electric clocks and a very pleasing number accept the lower-priced clocks, pocket watches and wrist watches.

Millions of new timepieces are turned out every year. Eventually many of these need the expert services of a repairman. This means business for the repairmen from the Atlantic to the Pacific and from the Canadian border to the Gulf.

This catalog has been issued to help the repairmen who go out to get this business.

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
C						
CASE						
Cas—0490	Bellboy	66AF	66AF	\$ 3.35	\$ 1.00	\$.40
Cas—0494	Raven	66AJ-1	66AJ-1	3.35	1.00	.40
CASE (Front of Case Only)						
General Order Front, Fro—1134						
Cas—0626	Shelby Walnut (Luminous Dial)		66AC-2	15.00	4.50	1.60
Spur Order Front, Fro—1138						
CASE, with BASE						
Cas—0646	Bingo (Brown)	66Z	66Z	3.35	1.00	.40

A helpful hint

Before the Job Is Lost

"For the loss of a shoe the horse was lost. For the loss of a horse the rider was lost. For the loss of a rider the battle was lost." How many repair jobs are lost because needed parts are not in stock?

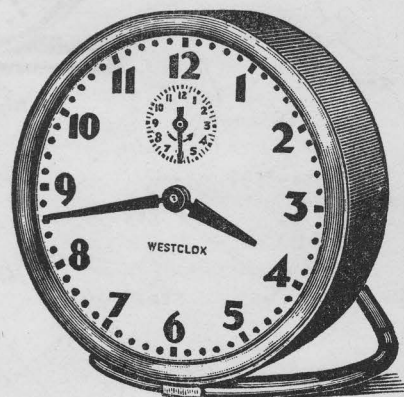
These are Series 66 Clocks

IN the factory, the lower priced clocks having many identical parts are classified as the 66 Series. The clocks shown on these two pages are Westclox 66 models that have been manufactured since 1944.—Bellboy, Bingo, General, Raven, Shelby, Spur.

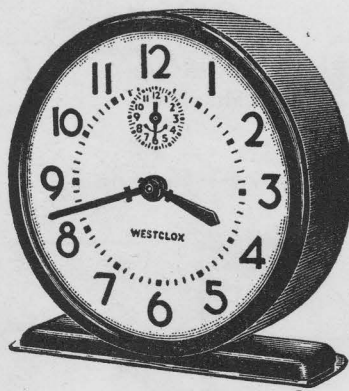
Many of the movement parts in these

six clocks interchange. Where they do interchange, they carry the same "stock" and "part used" number.

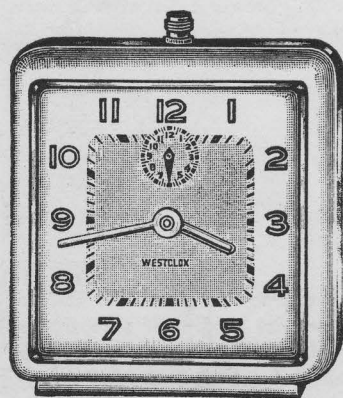
This method of identification of parts is used throughout this catalog to help the repairman control his stock of Westclox parts and thereby avoid carrying duplicate stocks.



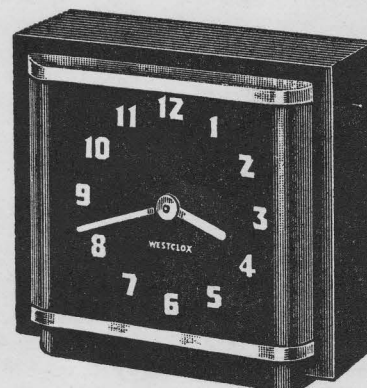
Bellboy, 66AF



Raven, 66AJ-1



General, 66AD

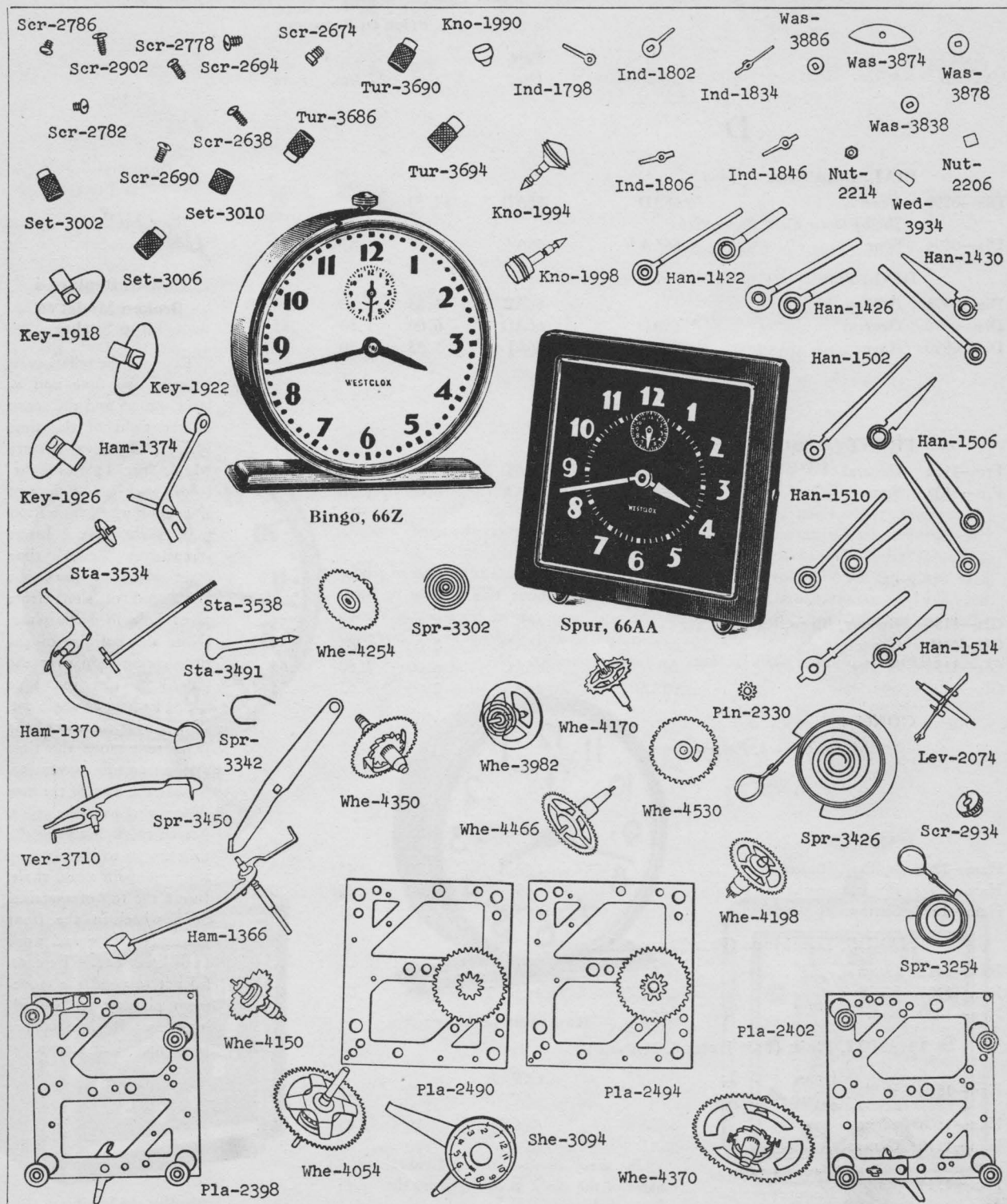


Shelby, 66AC-2

On these models the individual name of the clock is stamped on the back of the case.

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur



Illustrations are one-fourth actual size

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
D						
DIAL, Luminous						
Dia—0890	General	66AD	66AD	\$7.50	\$2.25	\$.80
	Shelby Order Case, Cas—0626					
Dia—0894	Spur	66AA	66AA	5.50	1.65	.60
DIAL, Plain						
Dia—0978	Bellboy, Bingo		66AF	1.35	.50	.35
Dia—0986	General	66AD	66AD	6.00	1.80	.65
Dia—0990	Raven	66AJ-1	66AJ-1	1.35	.50	.35
F						
FRONT (Front of Case Only)						
Fro—1134	General	66AD	66AD	11.00	3.30	1.15
Fro—1138	Spur	66AA	66AA	4.00	1.20	.45
G						
Glass						
Gla—1186	Bellboy, Bingo, Raven		66S	1.85	.55	.35
Gla—1190	General	66AD	66AD	2.00	.65	.35
Gla—1194	Shelby	All	66AC	6.00	1.80	.65
Gla—1198	Spur	66AA	66AA	2.00	.65	.35
GONG						
	Shelby Order Back, Bac—0000					
H						
HAMMER						
Ham—1366	Bellboy, Raven, Spur		66AH	.70	.45	.30
Ham—1370	Bingo, General		66S	.70	.45	.30
Ham—1374	Shelby	All	66AC	.70	.45	.30
HANDS, Luminous (Pair Hour & Minute)						
Han—1422	General	66AD	66AD	2.50	.75	.40
Han—1426	Shelby	66AC-2	66AC-2	2.50	.75	.40
Han—1430	Spur	66AA	66AA	2.50	.75	.40
HANDS, Plain (Pair Hour & Minute)						
Han—1502	Bellboy	Hour } Minute } Price per pair	66AF	66T		
			66AF	.70	.45	.30
Han—1506	Bingo		66Z	66AE	.70	.45
Han—1510	General		66AD	66AD	.70	.45
Han—1514	Raven	Hour } Minute } Price per pair	66AJ-1	66L	.70	.45
			66AH			.30

A helpful hint

How to Replace a Broken Model 66 Time Spring

Take out the pillar screw between the time and alarm springs and the screw to the right of the time spring. Remove balance wheel. Spread plates slightly to loosen top of shaft of time main wheel from front plate pivot hole. Insert screwdriver under time main wheel to work out lower end of shaft from pivot hole in back plate. (Note the position of the time spring loop over the pillar.) Turn the time spring loop on an angle and slide it over the top of the pillar to remove the time spring from the movement.

Slide the loop of the new time spring over the pillar. Attach the hole-end of the time spring to the hook on the time main wheel shaft. Insert the top of the time main wheel in the front plate pivot hole and work back lower end. (Be careful not to bend the movement plates when spreading them.) Replace balance wheel and pillar screws.

Illustrations on page 29

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	Price to Retailers		
				<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
HOLDER, Movement						
Hol—1714	Shelby	All	66AC	\$1.35	\$.50	\$.35

I

INDICATOR, Alarm Hand (Luminous Dial)

Ind—1798	General	66AD	66AD	.50	.35	.25
Ind—1802	Shelby	66AC-2	66AC	.50	.35	.25
Ind—1806	Spur	66AA	66AA	.50	.35	.25

INDICATOR, Alarm Hand (Plain Dial)

Ind—1834	Bellboy, Bingo		48G	.50	.35	.25
	General, Same Indicator as for Luminous Dial, Ind-1798					
Ind—1846	Raven	66AJ-1	66L	.50	.35	.25

K

KEY, Alarm and Time Interchangeable

Key—1918	Bellboy, Bingo, Raven, Spur		66D	.50	.40	.25
Key—1922	General	66AD	66AD	.50	.40	.25
Key—1926	Shelby	All	66AC	.50	.40	.25

KNOB, Switch (Alarm Shut-off)

Kno—1990	Bellboy, Raven, Spur		66AJ	.30	.25	.20
Kno—1994	Bingo (with staff)	66Z	66Z	.30	.25	.20
Kno—1998	General	66AD	66AD	.50	.35	.25
	Shelby Order Staff, Switch, Sta—3491					

L

LEVER, Time (Pallet, Fork and Arbor)

Lev—2074		All	66	1.35	.50	.35
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N

NUT, Friction

Nut—2206	Shelby	All	66AC	.30	.25	.20
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NUT, Indicator

Nut—2214	Shelby	All	66AC	.30	.25	.20
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P

PINION, Shuck

Pin—2330		All	Am2	.30	.25	.20
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A helpful hint

How to Replace a Broken Model 66 Alarm Spring

To remove the alarm spring, take out the pillar screw between the time and the alarm spring and the pillar screw that fits in the pillar over the alarm spring loop. Spread the plate up slightly over the hammer pivot to take out the alarm escape wheel. Spread the plate again to work out the alarm main wheel and alarm spring following a similar procedure to that suggested for the time main wheel and time spring removal. Reverse the order to replace the parts.

Illustrations on page 29

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
PLATE, Back						
Pla—2398	Bellboy, Raven, Spur		66AJ	\$2.40	\$.75	\$.40
Pla—2402	Bingo, General, Shelby		66	2.40	.75	.40
PLATE, Front						
Pla—2490	Bellboy, Bingo, General, Raven, Spur		66	1.85	.55	.35
Pla—2494	Shelby	All	66AC	1.85	.55	.35
S						
SCREW, Back						
Scr—2638	General, Shelby		66AC	.30	.25	.20
SCREW, Balance						
Scr—2674		All	66	.30	.25	.20
SCREW, Base						
Scr—2690	General	66AD	66AD	.30	.25	.20
Scr—2694	Shelby	All	66J	.30	.25	.20
SCREW, Case						
Scr—2778	Bellboy, Bingo, Raven, Spur		66AJ	.30	.25	.20
Scr—2782	General	66AD	66AD	.30	.25	.20
Scr—2786	Shelby	All	66L	.30	.25	.20
	Used as movement holder screw					
Scr—2786	Spur	66AA	66L	.30	.25	.20
SCREW, Movement Holder						
	Shelby Order Case, Screw, Scr—2786					
SCREW, Pillar						
Scr—2902		All	66	.30	.25	.20
SCREW, Switch						
Scr—2934	General	66AD	66AD	.30	.25	.20
SET, Alarm						
Set—3002	Bellboy, Bingo, Raven, Spur		66J	.50	.35	.25
Set—3006	General	66AD	66AD	.50	.35	.25
Set—3010	Shelby	All	66AC	.50	.35	.25

SET, Hand

Bellboy Order Turn, Center, Tur—3686
 Bingo Order Turn, Center, Tur—3686
 General Order Turn, Center, Tur—3690
 Raven Order Turn, Center, Tur—3686
 Shelby Order Turn, Center, Tur—3694
 Spur Order Turn, Center, Tur—3686

Repairing Westclox is desirable and profitable business. If this catalog helps increase repair business it will serve its purpose.

A helpful hint

When Uncasing Bingo

There is a slot in the base of the Bingo. To remove the bezel, insert the blade of a screwdriver in this slot. Push the bezel out as far as possible from the case. Place a screwdriver, with a square edged blade between the bead on bezel and the case and pry the bezel off.

Illustrations on page 29

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SHELL, Indicator						
She—3094	Shelby	All	66AC	\$.60	\$.45	\$.30
SPRING, Alarm						
Spr—3254		All	66AH	1.15	.50	.35
SPRING, Hair						
Spr—3302		All	66	1.35	.50	.35
<i>If Hairspring and Balance Wheel are both desired, order Wheel, Balance with Hairspring, Whe—3982</i>						
SPRING, Ratchet						
Spr—3342		All	66	.30	.25	.20
SPRING, Time						
Spr—3426		All	66	1.50	.50	.35
SPRING, Trip						
Spr—3450	Bellboy, Bingo, General, Raven, Spur		66	.30	.25	.20
Spr—3454	Shelby	All	66AC	.30	.25	.20
STAFF, Switch						
<i>Bellboy Order Hammer, Ham—1366</i>						
<i>Bingo Order Knob, Switch, Kno—1994</i>						
<i>General Order Knob, Switch, Kno—1998</i>						
<i>Raven Order Hammer, Ham—1366</i>						
Sta—3491	Shelby	All	66AC	.50	.40	.25
<i>Spur Order Hammer, Ham—1366</i>						
STAFF, Trip						
Sta—3534	Bellboy, Bingo, General, Raven, Spur		66J	.50	.35	.25
Sta—3538	Shelby	All	66AC	.50	.35	.25

T

TURN, Center (Hand Set)

Tur—3686	Bellboy, Bingo, Raven, Spur		66J	.50	.35	.25
Tur—3690	General	66AD	66AD	.50	.35	.25
Tur—3694	Shelby	All	66AC	.50	.35	.25

V

VERGE

Ver—3710	Shelby	All	66AC	.50	.40	.25
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W

WASHER, Alarm Set, Lock

Was—3838	Shelby	All	Am60	.30	.25	.20
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WASHER, Trip Staff Friction

Was—3874		All	48D	.30	.25	.20
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A helpful hint

The Advantage of Staked Sets

By staking on sets in a press, a more uniform tension is secured and there is less chance of loose friction. It has been the practice to stake center turns. Now some of the alarm sets are being staked to the shaft. The result—less loose friction.

A helpful hint

Need Parts for Old Clocks?

Parts are usually available for clocks made since World War II, a few parts are available for clocks made prior to 1942, but on the whole it is more economical for the customer to buy a new clock than to have a real old one repaired. Making up parts for individual jobs is very expensive.

Illustrations on page 29

Series 66—Spring-driven Clocks

Bellboy—Bingo—General—Raven—Shelby—Spur

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
WASHER, Trip Staff, Round						
Was—3878		All	66J	\$.30	\$.25	\$.20
WASHER, Trip Staff, Small						
Was—3886	Shelby	All	Am2	.30	.25	.20
WEDGE, Hairspring						
Wed—3934		All	Am2	.30	.25	.20
WHEEL, Balance, with Hairspring						
Whe—3982		All	66	4.00	1.20	.45
WHEEL, Balance, without Hairspring						
Whe—4018		All	66	1.85	.55	.35
WHEEL, Center						
Whe—4054	Bellboy, Bingo, General, Raven, Spur		66	1.50	.50	.35
Whe—4058	Shelby	All	66AC	1.50	.50	.35
WHEEL, Alarm Escape						
Whe—4150		All	66	.70	.45	.30
WHEEL, Time Escape						
Whe—4170		All	66	.70	.45	.30
WHEEL, Fourth						
Whe—4198		All	66	.70	.45	.30
WHEEL, Hour						
Whe—4254	Bellboy, Bingo, General, Raven, Spur		66	.50	.35	.25
Whe—4258	Shelby	All	66AC	.50	.35	.25
WHEEL, Alarm Main						
Whe—4350		All	66	1.35	.50	.35
WHEEL, Time Main						
Whe—4370		All	66	1.00	.50	.35
WHEEL, Motion						
	Bellboy Order Plate, Front, Pla—2490					
	Bingo Order Plate, Front, Pla—2490					
	General Order Plate, Front, Pla—2490					
	Raven Order Plate, Front, Pla—2490					
	Shelby Order Plate, Front, Pla—2494					
	Spur Order Plate, Front, Pla—2490					
WHEEL, Third						
Whe—4466		All	66	.70	.45	.30
WHEEL, Trip						
Whe—4530		All	66	.50	.35	.25

Parts do not assort for quantity discount. All prices apply to the quantity of the individual part shipped.

A helpful hint

How to Fix Loose Hands

If the hour hand is too loose on the hour wheel bushing, close up the edges of the hour hand bushing with a pair of ordinary pliers before driving on the hour wheel.

Should the minute hand or alarm indicator hand not fit tightly, lay the hand face down on a bench anvil and tap the brass bushing with a hole-closing punch. Then stake on.

A helpful hint

Uncasing Clocks That Have Broken Springs

On some of the lower priced Westclox, such as Bingo, the watchmaker occasionally finds difficulty in taking the clock apart because of being unable to remove the winding key due to a broken ratchet spring.

Remove the bezel, glass, hands and dial. Grip the main wheel shaft with a small pair of pliers and remove the key.

Illustrations on page 29

Pocket Ben

				Price to Retailers		
<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
B						
Bac—0018	Back	7Q	7	\$2.00	\$.65	\$.35
Bar—0126	Barrel, with Mainspring	7Q	7	3.35	1.00	.40
Bez—0246	Bezel, with Crystal	7Q	7	2.60	.80	.40
Bri—0330	Bridge, Barrel	7Q	7	.60	.45	.30
Bri—0358	Bridge, Pinion	7Q	7	.30	.25	.20

C						
Cas-0498	Case	7Q	7	5.50	1.60	.55
	Crystal, Unbreakable	Order Bezel, with Crystal, Bez-0246				

D						
Dia-0902	Dial, Luminous	7Q	7Q	6.00	1.80	.65
Dia-0994	Dial, Plain	7Q	7Q	1.85	.55	.35

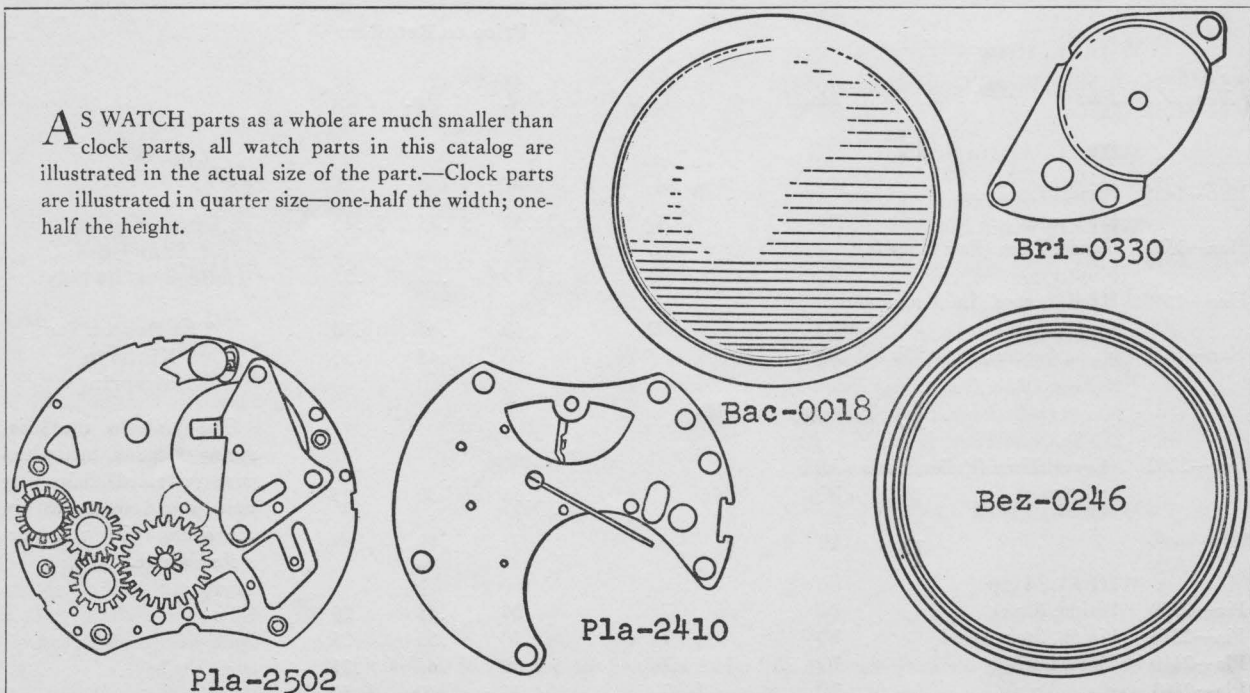
G						
Glass Order Bezel, with Unbreakable Crystal, Bez-0246						

A helpful hint

When Ordering from Factory

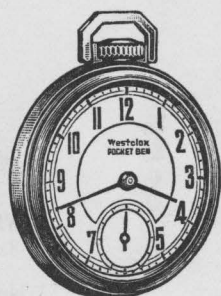
When it is necessary to order repair parts direct from the factory, send a remittance to cover the cost of the parts and the estimated postage. Repair material is not sold on an open account or C. O. D. basis.

AS WATCH parts as a whole are much smaller than clock parts, all watch parts in this catalog are illustrated in the actual size of the part.—Clock parts are illustrated in quarter size—one-half the width; one-half the height.

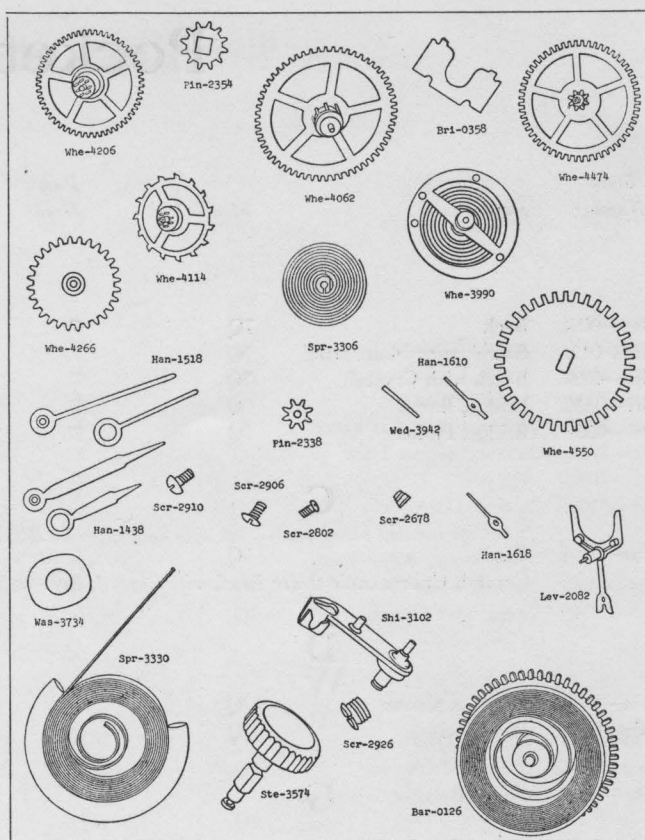


Illustrations on pages 35 & 36

Pocket Ben



WHILE fewer low-priced watches are offered for repair than alarm clocks, there is profitable watch repair business for the watchmaker who organizes to handle it. Having an adequate stock of parts makes servicing easy and quick. This catalog makes it easy to select the parts most often needed.



Illustrations of watch parts are actual size

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
H						
Han—1438	Hands, Luminous (Pair Hour & Minute)	7Q	7Q	\$2.50	\$.75	\$.40
Han—1518	Hands, Plain (Pair Hour & Minute)	7Q	7Q	1.85	.55	.35
Han—1610	Hand, Second, Luminous Dial	7Q	7Q	.60	.45	.30
Han—1618	Hand, Second, Plain Dial	7Q	7	.60	.45	.30
L						
Lev—2082	Lever, Time (Pallet, Fork and Arbor)	7Q	7	1.50	.50	.35
P						
Pin—2338	Pinion, Shuck	All	7	.30	.25	.20
Pin—2354	Pinion, Stem Wind	7Q	7	.50	.35	.25
Pla—2410	Plate, Back	7Q	7	2.00	.65	.35
Pla—2502	Plate, Front	7Q	7	4.65	1.40	.50

A helpful hint

The Reason for Kinks in Hairsprings

The kink in the hair-spring of the balance wheel with (vibrated) hairspring units shows where to pin the spring with the hair-spring wedge.

Illustrations on pages 35 & 36

Pocket Ben

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
S						
Scr—2678	Screw, Balance	7Q	6	\$.30	\$.25	\$.20
Scr—2802	Screw, Case	7Q	6	.30	.25	.20
Scr—2906	Screw, Pillar	7Q	6	.30	.25	.20
Scr—2910	Screw, Pillar <i>Also uses</i>	7Q	7	.30	.25	.20
Scr—2926	Screw, Shipper Lock	7Q	7	.30	.25	.20
Shi—3102	Shipper	7Q	7	.70	.45	.30
Spr—3306	Spring, Hair	7Q	6	1.35	.50	.35
<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—3990</i>						
Spr—3330	Spring, Main	7Q	6B	1.35	.50	.35
Ste—3574	Stem, with Crown	7Q	7	.50	.40	.25
W						
Was—3734	Washer, Dial	7Q	4Wa	.30	.25	.20
Wed—3942	Wedge, Hairspring	7Q	7	.30	.25	.20
Whe—3990	Wheel, Balance, with Hairspring	7Q	7	6.35	1.90	.70
Whe—4026	Wheel, Balance, without Hairspring	7Q	7	2.40	.75	.40
Whe—4062	Wheel, Center	7Q	7	1.85	.55	.35
Whe—4114	Wheel, Escape	7Q	7	1.35	.50	.35
Whe—4206	Wheel, Fourth	7Q	7	1.35	.50	.35
Whe—4266	Wheel, Hour	7Q	7	.50	.40	.25
Whe—4474	Wheel, Third	7Q	7	1.35	.50	.35
Whe—4550	Wheel, Main Wind	7Q	7	.50	.35	.25

Illustrations on pages 35 & 36

Scotty

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
Bac—0022	Back	6G	6E	\$2.00	\$.65	\$.35
Bar—0130	Barrel, with Mainspring	6F-G	6B	3.35	1.00	.40
Bez—0250	Bezel, with Crystal	6G	6E	2.60	.80	.40
Bri—0334	Bridge, Barrel	6F-G	6E	.60	.45	.30
Bri—0362	Bridge, Pinion	6F-G	6	.30	.25	.20
C						
Cas—0502	Case	6G	6E	3.35	1.00	.40
Crystal, Unbreakable Order Bezel, with Crystal, Bez—0250						

Illustrations on pages 38 & 39

A helpful hint

To Replace a Watch Stem

Take off the back, loosen the shipper lock screw, invert the movement so the shipper will release from the stem.

(On Pocket Ben it is necessary to pull the shipper-shaft outward until stem is released. A groove is provided in the end of the shipper-shaft for this.)

Insert a new stem with crown, making sure that the stem and shipper are properly engaged, then replace shipper lock screw.

There are two profits in every repair job. The monetary profit and the good will profit. A good job returns a little of each.

Scotty

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	Price to Retailers		
				<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
D						
Dia—0998	Dial	6G	6G	\$1.85	\$.55	\$.35

G

Glass Order Bezel with Unbreakable Crystal, Bez-0250

H

Han-1522	Hands (Pair Hour and Minute)	6F-G	6	1.85	.55	.35
Han-1622	Hand, Second	6F-G	6	.60	.45	.30

L

Lev-2086	Lever, Time (Pallet, Fork & Arbor)	6F-G	6	1.50	.50	.35
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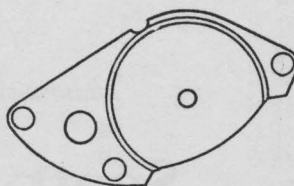
P

Pin-2338	Pinion, Shuck	6F-G	7	.30	.25	.20
Pin-2358	Pinion, Stem Wind	6F-G	6	.50	.35	.25
Pla-2414	Plate, Back	6G	6E	2.00	.65	.35
Pla-2506	Plate, Front	6F-G	6E	4.65	1.40	.50

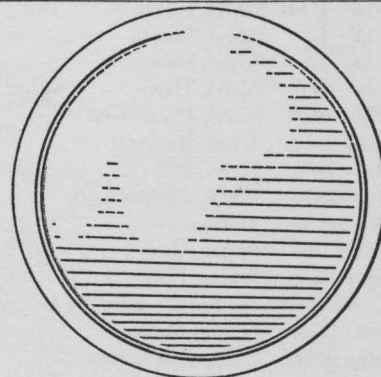
When Ordering Parts

Most watchmakers secure Westclox repair parts from their regular material wholesaler but when needed parts are not available, they may be ordered direct from the factory on a cash-in-advance basis. If the parts are not available at the factory, the payment will be returned.

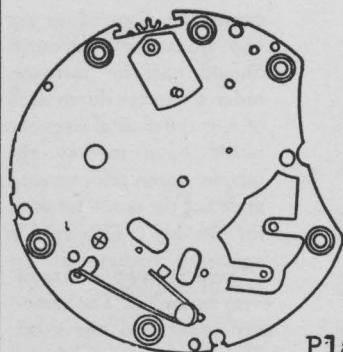
ALL PARTS in this catalog are listed alphabetically. When the name of the part needed is not known, one can locate the part by comparing the old part with the illustrations, which are numbered, and then referring to the stock number on the printed page.



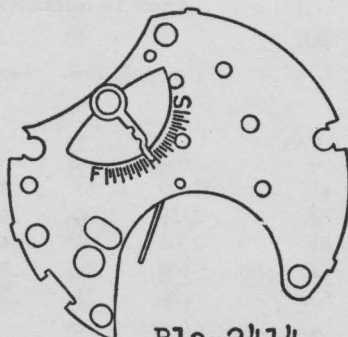
Br1-0334



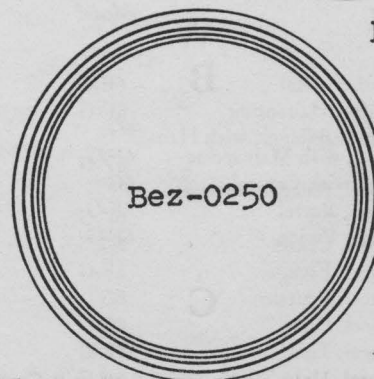
Bac-0022



Pla-2506

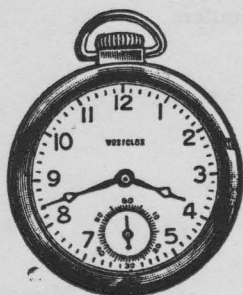


Pla-2414

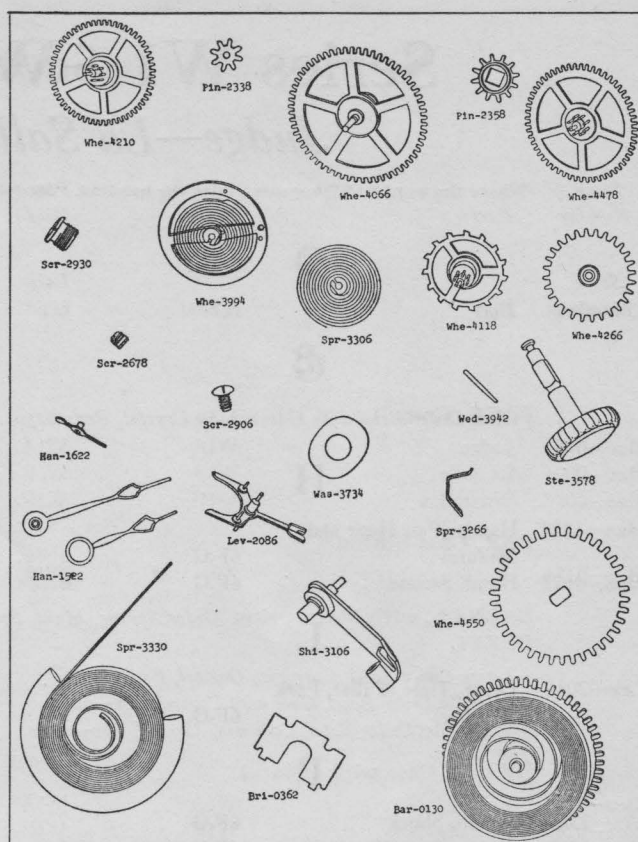


Bez-0250

Scotty



THE first postwar Scotty was Model 6F. This was followed in a short time by Model 6G. As few of the first model were made in comparison to the second model, most of the calls today are for parts for the second model (6G). In this catalog the 6G parts have been featured but when the identical part was used in the 6F, it is listed.



Illustrations of watch parts are actual size

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
S						
Scr—2678	Screw, Balance	6F-G	6	\$.30	\$.25	\$.20
Scr—2906	Screw, Pillar	6F-G	6	.30	.25	.20
Scr—2930	Screw, Shipper Lock	6F-G	6B	.30	.25	.20
Shi—3106	Shipper	6F-G	6B	.70	.45	.30
Spr—3266	Spring, Casing	6G	6E	.30	.25	.20
Spr—3306	Spring, Hair	6F-G	6	1.35	.50	.35
<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—3994</i>						
Spr—3330	Spring, Main	6F-G	6B	1.35	.50	.35
Ste—3578	Stem, with Crown	6G	6E	.50	.40	.25
W						
Was—3734	Washer, Dial	6F-G	4Wa	.30	.25	.20
Wed—3942	Wedge, Hairspring	6F-G	7	.30	.25	.20
Whe—3994	Wheel, Balance, with Hairspring	6F-G	6	6.35	1.90	.70
Whe—4030	Wheel, Balance, without Hairspring	6F-G	6	2.40	.75	.40
Whe—4066	Wheel, Center	6G	6E	1.85	.55	.35
Whe—4118	Wheel, Escape	6F-G	6	1.35	.50	.35
Whe—4210	Wheel, Fourth	6G	6E	1.35	.50	.35
Whe—4266	Wheel, Hour	6G	7	.50	.40	.25
Whe—4478	Wheel, Third	6F-G	6	1.35	.50	.35
Whe—4550	Wheel, Main Wind	6F-G	7	.50	.35	.25

A helpful hint

In Writing Orders

Westclox repair material cannot be assorted to get the quantity discount. Should one, for instance, order a quarter dozen each of four different glasses one would have to pay the quarter dozen price on each style not the dozen lot price for the lot. This rule is necessary because of the cost of handling.

Illustrations on pages 38 & 39

Series W1—Wrist Watches

Judge—La Salle—Wrist Ben

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
BACK, Case						
Bac—0086	Judge	W1A	W1A	\$6.00	\$1.80	\$.65
Bac—0094	La Salle	W1F	W1F	5.00	1.50	.55
Bac—0094	Wrist Ben	W1G	W1F	5.00	1.50	.55

BAR, Case Spring						
Bar—0114		All	W1A	1.00	.50	.35

BARREL, with Mainspring Order Spring, Main, Spr—3334

BEZEL

Judge Order Bezel, Case with Crystal, Bez—0254

La Salle Order Bezel, Case with Crystal, Bez—0262

Wrist Ben Order Bezel, Case with Crystal, Bez—0270

BEZEL, Case with Crystal						
Bez—0254	Judge	W1A	W1A	24.00	6.00	2.00
Bez—0262	La Salle	W1F	W1F	11.00	3.30	1.15
Bez—0270	Wrist Ben	W1G	W1G	11.00	3.30	1.15

BRIDGE, Barrel						
Bri—0338		All	W1	.60	.45	.30

BRIDGE, Lever						
Bri—0342		All	W1	.70	.45	.30

BRIDGE, Pinion						
Bri—0366		All	W1	.30	.25	.20

BRIDGE, Ratchet Wheel						
Bri—0398		All	W1	.50	.35	.25

C

CASE, Order Bezel, Case with Crystal

CRYSTAL, Unbreakable

Cry—0806	Judge	W1A	W1A	.50	.40	.25
Cry—0806	La Salle	W1F	W1A	.50	.40	.25
Cry—0818	Wrist Ben	W1G	W1G	.50	.40	.25

D

DIAL, Luminous						
Dia—0906	La Salle	W1F	W1F	7.50	2.25	.80
Dia—0910	Wrist Ben	W1G	W1G	7.50	2.25	.80

DIAL, Plain						
Dia—1002	Judge	W1A	W1A	1.85	.55	.35
Dia—1010	La Salle	W1F	W1F	1.85	.55	.35
Dia—1018	Wrist Ben	W1G	W1G	1.85	.55	.35

Illustrations on pages 41 & 42

A helpful hint

**Factory Made
vs
Handmade
Parts**

A watchmaker is trained to turn out parts on his lathe and to make most any material he may need to service a watch. He can do this in an emergency but it is more economical to install new factory made parts as a study of the prices quoted in this catalog will readily show.

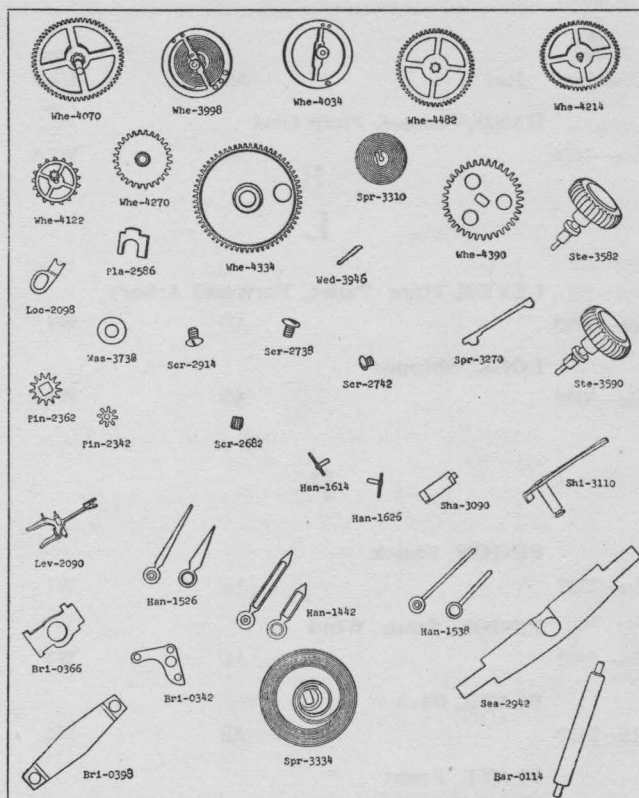
Series W1—Wrist Watches

Judge—La Salle—Wrist Ben

THE Series W1—Judge, La Salle and Wrist Ben—have many parts in common. In this catalog the three watches have been treated as a unit so the watchmaker can see which parts duplicate and thereby keep his stock of repair parts to the minimum. Where the word "All" appears under the heading, "Model", the part is used on all three models. The parts are illustrated by line drawings to make identification of parts easy. Drawings are as near actual size as it was possible to make them.

The Wrist Ben listed and illustrated is the Model introduced in 1950.

Some of the watch parts listed will fit prewar models but due to the years of service, it is usually not economical to repair most prewar watches so data regarding them have not been included in this catalog.



Illustrations of watch parts are actual size

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
G						
GLASS, Unbreakable crystals only available						
H						
HANDS, Luminous (Pair Hour & Minute)						
Han-1442	La Salle	W1F	W1F	\$3.00	\$.90	\$.40
Han-1442	Wrist Ben	W1G	W1F	3.00	.90	.40
HANDS, Plain (Pair Hour & Minute)						
Han-1526	Judge	W1A	W1A	2.50	.75	.40
Han-1526	La Salle	W1F	W1A	2.50	.75	.40
Han-1538	Wrist Ben	W1G	W1G	2.50	.75	.40
HAND, Second, Luminous Dial						
Han-1614	La Salle	W1F	W1F	.60	.45	.30
Han-1614	Wrist Ben	W1G	W1F	.60	.45	.30

A helpful hint

How to Remove Oil from a Hairspring

When oil gets into the hairspring coils, a timepiece will run fast.—Remove the balance wheel from the movement, wash thoroughly in cleaning solution, dry and reassemble.

Illustrations on pages 41 & 42

Series W1—Wrist Watches

Judge—La Salle—Wrist Ben

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
HAND, Second, Plain Dial						
Han—1626		All	W1A	\$.60	\$.45	\$.30

L

LEVER, Time (Pallet, Fork and Arbor)						
Lev—2090		All	W1	2.50	.75	.40
LOCK, Shipper						
Loc—2098		All	W1	.50	.35	.25

P

PINION, Shuck						
Pin—2342		All	W1	.30	.25	.20
PINION, Stem, Wind						
Pin—2362		All	W1	1.00	.50	.35
PLATE, Back						
Pla—2418		All	W1	2.50	.75	.40
PLATE, Front						
Pla—2510		All	W1	6.50	1.95	.70
PLATE, Pinion Thrust						
Pla—2586		All	W1	.30	.25	.20

S

SCREW, Balance						
Scr—2682		All	W1	.50	.35	.25
SCREW, Barrel Bridge						
Scr—2738		All	W1	.30	.25	.20

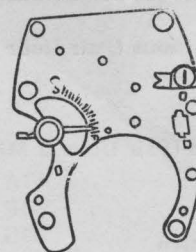
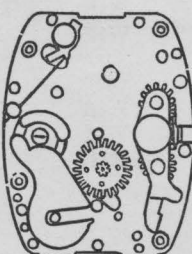
A helpful hint

**To Tighten
Center Wheel Friction
On W1**

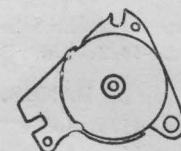
Remove either the barrel or the balance wheel. Slide a tapered fork under the center wheel collet and lightly tap center wheel shaft on front plate side.

A WISE man once said that next best to knowing the answer to a question was knowing where to find the answer. On these pages are answers to most of the questions regarding repair parts for Westclox. —Compiled for the fellow who doesn't know all the answers but does want to know where to find them.

Pla-2510



Pla-2418



Bri-0338

Illustrations on pages 41 & 42

Series W1—Wrist Watches

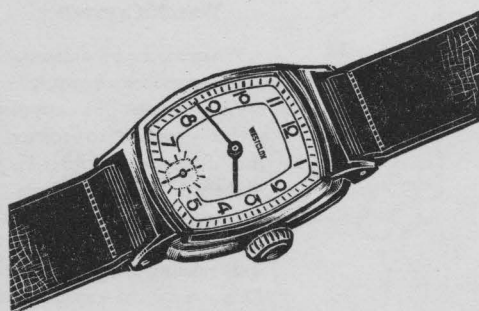
Judge—La Salle—Wrist Ben

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
SCREW, Ratchet Bridge						
Scr—2742		All	W1	\$.30	\$.25	\$.20
SCREW, Pillar						
Scr—2914		All	W1	.30	.25	.20
SEAL, Dust						
Sea—2942		All	W1	.50	.35	.25
SHAFT, Main Wheel						
Sha—3090		All	W1	.50	.35	.25
SHIPPER						
Shi—3110		All	W1	.70	.45	.30
SPRING, Click						
Spr—3270		All	W1	.50	.35	.25
SPRING, Hair						
Spr—3310		All	W1	1.85	.55	.35
If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—3998						
SPRING, Main						
Spr—3334		All	W1	2.60	.80	.40
STEM, with Crown						
Ste—3582	Judge	W1A	W1A	1.00	.50	.35
Ste—3590	La Salle	W1F	W1	1.00	.50	.35
Ste—3590	Wrist Ben	W1G	W1	1.00	.50	.35
STRAP						
Str—3602	Judge	W1A	W1A	4.65	1.40	.50
Str—3610	La Salle, Luminous Dial	W1F	W1G	4.65	1.40	.50
Str—3614	La Salle, Plain Dial	W1F	W1F	4.65	1.40	.50
Str—3610	Wrist Ben	W1G	W1G	4.65	1.40	.50
For both plain and luminous dials						

A helpful hint

To Replace the Balance Wheel On W1

Push the regulator to the extreme slow side of the regulator index. Turn the balance screw back as far as possible without removing it from the plate. Insert the balance wheel in the balance screw, then straighten the wheel up so that the other point aligns itself with the balance stud and then tighten the balance screw to obtain proper end-shake on balance wheel.



Wrist Ben



La Salle

Illustrations on pages 41 & 42

Series W1—Wrist Watches

Judge—La Salle—Wrist Ben

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
W						
WASHER, Dial						
Was—3738		All	W1	\$.30	\$.25	\$.20
WEDGE, Hairspring						
Wed—3946		All	W1	.30	.25	.20
WHEEL, Balance, with Hairspring						
Whe—3998		All	W1	9.00	2.65	1.00
WHEEL, Balance, without Hairspring						
Whe—4034		All	W1	5.00	1.50	.55
WHEEL, Center						
Whe—4070		All	W1	3.00	.90	.40
WHEEL, Escape						
Whe—4122		All	W1	2.40	.75	.40
WHEEL, Fourth						
Whe—4214		All	W1	2.15	.65	.40
WHEEL, Hour						
Whe—4270		All	W1	.70	.45	.30
WHEEL, Main						
Whe—4334		All	W1	1.35	.50	.35
WHEEL, Ratchet						
Whe—4390		All	W1	.70	.45	.30
WHEEL, Third						
Whe—4482		All	W1	2.15	.65	.40

A helpful hint

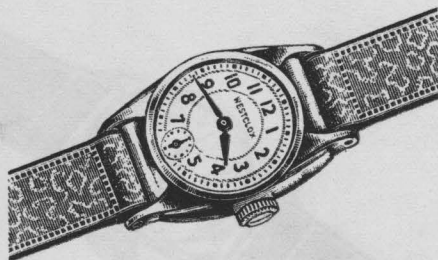
To Refit Dust Seal On W1

The dust seal must be inserted with the forming to the front plate side (dial side) to insure proper setting of hands.

A helpful hint

When Fitting Unbreakable Watch Crystals

When fitting an unbreakable crystal in a bezel, the crystal must be cupped under pressure to reduce the diameter until it is slightly less than the crystal seat in the bezel. Insert the crystal in the bezel and release the pressure. This allows the crystal to expand and anchor itself securely in the bezel.



Judge

Series W2—Wrist Watches

Lance—Rajah

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
BACK, Case						
Bac—0090	Lance	W2A	W2A	\$6.50	\$1.95	\$.70
Bac—0098	Rajah	W2	W2	6.50	1.95	.70
BAR, Case Spring						
Bar—0118		Both	W2	1.00	.50	.35
BARREL, with Mainspring						
<i>Order Spring, Main, Spr—3338</i>						
BEZEL						
<i>Lance Order Bezel, Case with Crystal, Bez—0258</i>						
<i>Rajah Order Bezel, Case with Crystal, Bez—0266</i>						
BEZEL, Case with Crystal						
Bez—0258	Lance	W2A	W2A	25.00	6.50	2.25
Bez—0266	Rajah	W2	W2	12.00	3.60	1.30
BRIDGE, Balance						
Bri—0322		Both	W2	1.85	.55	.35
BRIDGE, Lever						
Bri—0346		Both	W2	1.00	.50	.35
BRIDGE, Minute Wheel						
Bri—0350		Both	W2	.50	.35	.25
BRIDGE, Pinion						
Bri—0370		Both	W2	.50	.35	.25

C

CASE, Order Bezel, Case with Crystal
CRYSTAL, Unbreakable

Cry—0810	Lance	W2A	W2A	.60	.45	.30
Cry—0814	Rajah	W2	W2	.60	.45	.30

D

DIAL

Dia—1006	Lance	W2A	W2A	1.85	.55	.35
Dia—1014	Rajah	W2	W2	1.85	.55	.35

G

GLASS, Unbreakable crystal only available

A helpful hint

How to Adjust a Balance Screw for Proper Balance End Shake

The balance screw should not hold the balance wheel too tight nor yet too loose—but just right.

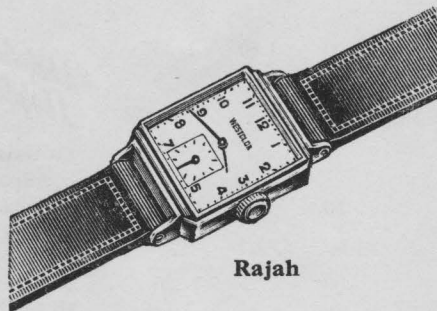
Tighten the balance screw gently until the balance wheel runs freely with very little end-shake. (Caution should be exercised so as not to crush the balance points by over-tightening.)

Series W2—Wrist Watches

Lance—Rajah



Lance



Rajah



Illustrations of watch parts are actual size

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
H						
HANDS (Pair Hour and Minute)						
Han—1530	Lance	W2A	W2A	\$2.50	\$.75	\$.40
Han—1534	Rajah	W2	W2	2.50	.75	.40
HAND, Second						
Han—1630		Both	W2	.60	.45	.30
L						
LEVER, Time (Pallet, Fork and Arbor)						
Lev—2094		Both	W2	3.35	1.00	.40
LOCK, Shipper						
Loc—2102		Both	W2	.50	.35	.25

Having the right repair part at the right time has saved many a customer.

Illustrations on pages 46 & 47

A helpful hint

When Perseverance Counts

It's often the little things that count. A speck of lint will stop a watch. A slight nudge of the regulator will speed-up or slow down the time. In repairing watches everything must turn out just right if one is to satisfy the customer.

Series W2—Wrist Watches

Lance—Rajah

		Price to Retailers				
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
P						
PINION, Shuck						
Pin—2346		Both	W2	\$.30	\$.25	\$.20
Pinion, Stem Wind						
Pin—2366		Both	W2	1.00	.50	.35
PLATE, Back						
Pla—2422		Both	W2	3.00	.90	.40
PLATE, Front						
Pla—2514		Both	W2	12.00	3.60	1.30
S						
SCREW, Balance						
Scr—2686		Both	W2	.50	.35	.25
SCREW, Bridge						
Scr—2734		Both	W2	.30	.25	.20
SCREW, Pillar						
Scr—2918		Both	W2	.30	.25	.20
SEAL, Dust						
Sea—2946	Lance	W2A	W2A	.50	.35	.25
Sea—2950	Rajah	W2	W2	.50	.35	.25
SHAFT, Barrel						
Sha—3046		Both	W2	1.00	.50	.35
SHIPPER						
Shi—3114		Both	W2	.70	.45	.30
SPRING, Click						
Spr—3274		Both	W2	.50	.35	.25

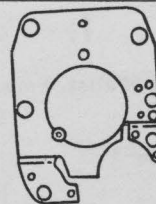
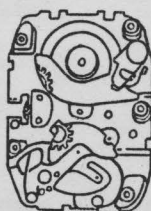
A helpful hint

Regulating Wrist Watches

The graduated marks in the regulator index serve as a guide for regulating. Move the regulator one space for each 1½ minutes of variation in 24 hours.

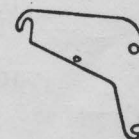
AS THE Series W2—Lance and Rajah—have many parts that are the same, the two are treated together in this catalog. When a part fits both watches, the word “Both” appears under the heading, “Model”. Wrist watch parts are illustrated in actual size.

Pla-2514



Pla-2422

Loc-2102



Illustrations on pages 46 & 47

Series W2—Wrist Watches

Lance—Rajah

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SPRING, Hair						
Spr—3314		Both	W2	\$2.60	\$.80	\$.40
<i>If hairspring and balance wheel are both desired, order Wheel, Balance with Hairspring, Whe—4002</i>						
SPRING, Main						
Spr—3338		Both	W2	5.00	1.50	.55
STEM, with Crown						
Ste—3586	Lance	W2A	W2A	3.35	1.00	.40
Ste—3594	Rajah	W2	W2	1.85	.55	.35
STRAP						
Str—3606	Lance	W2A	W2A	6.00	1.80	.65
Str—3618	Rajah	W2	W2	6.00	1.80	.65
STUD, Balance						
Stu—3622		Both	W2	.50	.35	.25

W

WASHER, Dial						
Was—3742		Both	W2	.30	.25	.20
WEDGE, Hairspring						
Wed—3950		Both	W2	.30	.25	.20
WHEEL, Balance, with Hairspring						
Whe—4002		Both	W2	11.00	3.30	1.15
WHEEL, Balance, without Hairspring						
Whe—4038		Both	W2	5.65	1.70	.60
WHEEL, Center						
Whe—4074		Both	W2	4.00	1.20	.45
WHEEL, Escape						
Whe—4126		Both	W2	3.35	1.00	.40
WHEEL, Fourth						
Whe—4218		Both	W2	2.60	.80	.40
WHEEL, Hour						
Whe—4274		Both	W2	1.35	.50	.35
WHEEL, Minute						
Whe—4374		Both	W2	1.85	.55	.35
WHEEL, Ratchet						
Whe—4394		Both	W2	1.50	.50	.35
WHEEL, Third						
Whe—4486		Both	W2	2.60	.80	.40

A helpful hint

To Replace Dust Seal On W2

Be sure the angled-end of the dust seal fits over the barrel-end of the movement. If it is set in the wrong way, it will bind on the balance wheel.

A helpful hint

To Tighten Center Wheel Friction On W2

Remove the barrel. Insert a tapered fork between the center wheel collet and the front plate. Tap the center wheel shaft lightly on back plate side.

Illustrations on pages 46 & 47

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
A						
ARMATURE						
Arm—0002	Big Ben	S6D	S6D	\$.50	\$.40	\$.25

B

BACK						
Big Ben Order Case, Back, Cas—0662						
Oracle Order Case, Cas—0582						
BAND, Case						
Ban—0102	Big Ben	S6D	S6D	2.00	.65	.35
BASE						
Bas—0170	Oracle	S6E	S6E	15.00	4.50	1.60
BELL						
Big Ben Order Gong, Gon—1310						
BEZEL						
Bez—0206	Big Ben	S6D	S6D	4.00	1.20	.45
BRACKET, Lower						
Bra—0290	Oracle	S6E	S6E	12.00	3.60	1.30
BRACKET, Upper						
Bra—0294	Oracle	S6E	S6E	12.00	3.60	1.30
BUSHING, Rubber						
Bus—0426		Both	69	.30	.25	.20

C

CASE						
Big Ben Order Front, Fro—1118						
Cas—0582	Oracle	S6E	S6E	7.50	2.25	.80
CASE, Back						
Cas—0662	Big Ben	S6D	S6D	12.00	3.60	1.30
CLAMP, Base						
Cla—0710	Oracle	S6E	S2L	.50	.35	.25
CLAMP, Cord						
Cla—0718		Both	S4	.30	.25	.20

The stock numbers used in this catalog run consecutively by alphabetical listing of parts. The three letters are the first three letters of the name of the part.

A helpful hint

The Big Ben Electric Alarm

The alarm on the Big Ben Electric is motivated by a spring. This spring is fully wound after the clock has been connected to the electric current for twelve hours. When the alarm is needed several times a day and is completely run down, the spring must be wound with the winding knob. When fully wound the alarm will sound from twenty to thirty-five seconds. It can be set to ring either soft or loud.

Illustrations on pages 50 & 51

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
COIL						
Coi—0738		Both	M3			\$.75

CORD						
Cor—0758		Both	S5F	\$4.65	\$1.40	\$.50

D

DIAL, Luminous						
Dia—0914	Big Ben	S6D	S6D	15.00	4.50	1.60

DIAL, Plain						
Dia—1022	Big Ben	S6D	S6D	7.50	2.25	.80
Dia—1070	Oracle	S6E	S6E	9.00	2.65	1.00

F

FELT						
Fel—1090	Big Ben	S6D	S6D	.30	.25	.20

FRONT						
Fro—1118	Big Ben	S6D	S6D	7.50	2.25	.80

G

GASKET						
Gas—1158	Oracle (Paper)	S6E	S2L	.30	.25	.20
Gas—1162	Oracle (Plastic)	S6E	S6E	.30	.25	.20

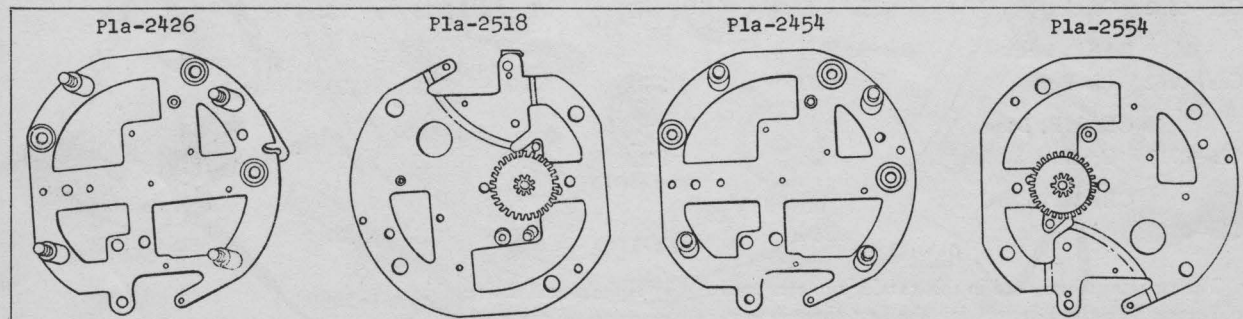
GLASS						
Gla—1202	Big Ben	S6D	S6D	2.15	.65	.40
Gla—1242	Oracle, Clear	S6E	S2L	12.00	3.60	1.30
	Oracle, Colored Order Ring, Glass, Rin—2626					

GONG						
Gon—1310	Big Ben	S6D	S6D	4.00	1.20	.45

A helpful hint

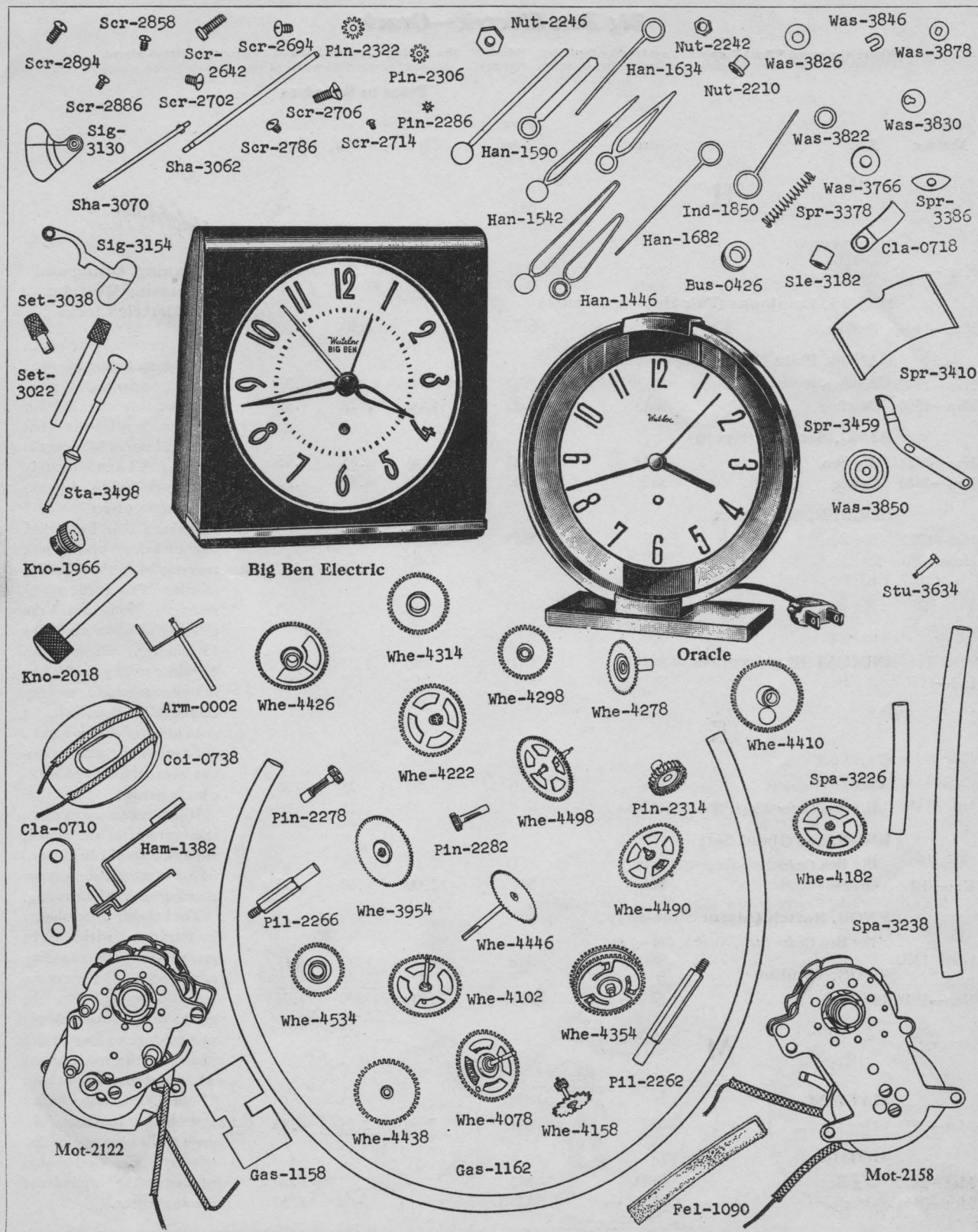
Self-starting Motors

Westclox electric clocks have self-starting motors. They start immediately when connected to the proper electric current and run until the current is interrupted. While usually trouble-free for a number of years, they often need servicing before they are completely worn out. Helpful hints for doing this work will be found on the following pages.



Illustrations on pages 50 & 51

Series 6—Electric Clocks



Illustrations are one-fourth actual size

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
H						
HAMMER						
Ham—1382	Big Ben	S6D	S6D	\$1.35	\$.50	\$.35
HANDS, Luminous (Pair Hour & Minute)						
Han—1446	Big Ben	S6D	S6D	4.65	1.40	.50
HANDS, Plain (Pair Hour & Minute)						
Han—1542	Big Ben	S6D	S6D	1.00	.50	.35
Han—1590	Oracle	S6E	S6E	4.00	1.20	.45
HAND, Seconds (Sweep)						
Han—1634	Big Ben	S6D	S6D	.50	.35	.25
Han—1682	Oracle	S6E	S6E	1.50	.50	.35
HOLDER, Movement						
Hol—1722	Big Ben	S6D	S6D	2.40	.75	.40
Hol—1750	Oracle	S6E	S6E	4.00	1.20	.45

I

INDICATOR, Alarm Hand						
Ind—1850	Big Ben	S6D	S6D	.50	.35	.25

K

KEY						
Big Ben Order Knob, Winding, Kno—2018						
KNOB, Set (Hand Set)						
Big Ben Order Set, Time, Set—3038						
Kno—1966	Oracle	S6E	S6E	1.00	.50	.35
KNOB, Switch (Alarm Shut-off)						
Big Ben Order Staff, Switch, Sta—3498						
KNOB, Winding						
Kno—2018	Big Ben	S6D	S6D	1.00	.50	.35

M

MATTING						
Mat—2118	Oracle	S6E	S6E	7.50	2.25	.80
MOTOR						
Mot—2122	Big Ben	S6D	M3			1.50
Mot—2158	Oracle	S6E	M3B			1.50

A helpful hint

Cleaning, Oiling and Greasing Westclox Electric Clocks

The procedure is much the same as that followed in spring-driven clocks except not only clock oil but some grease is used in spots where a heavier lubricant is required. Clean thoroughly and use clock oil and grease in the right places.

Remove dials, hands and motors before placing the movements in the cleaning solution. Permit the movements, to remain in the cleaning solution for 10 to 15 minutes. Then use an air blast to dry or set the movements aside to dry thoroughly. Recoil with a good grade of clock oil and a light grease or white vaseline where the heavier lubricant is needed.

If it is necessary to clean the bearings of the motor, the clock should be returned to Westclox for proper cleaning and relubricating.

The bakelite wheel should be lubricated with a light grease or white vaseline mixed with oil, the consistency being so that the grease will not run. Apply this mixture to four or five places on the teeth of the wheel and run the clock for 15 or 20 minutes after assembling so that the grease will be properly distributed. Clock oil should be used on the remainder of the movement.

Illustrations on pages 50 & 51

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

		Price to Retailers				
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
N						
NUT, Movement Holder						
Nut—2210		Both	S2B	\$.30	\$.25	\$.20
NUT, Pillar						
Nut—2242	Big Ben	S6D	S6	.30	.25	.20
Nut—2246	Oracle	S6E	S6E	.30	.25	.20
P						
Pillar, Case, Long						
Pil—2262	Big Ben	S6D	S6D	.50	.35	.25
PILLAR, Case, Short						
Pil—2266	Big Ben	S6D	S6D	.50	.35	.25
PINION, Cannon						
Pin—2278	Big Ben	S6D	S6D	1.35	.50	.35
Pin—2282	Oracle	S6E	S6	1.00	.50	.35
PINION, Seconds Drive						
Pin—2286		Both	S6	.30	.25	.20
PINION, Set						
Pin—2306	Oracle	S6E	S6E	.30	.25	.20
PINION, Inter Alarm Set						
Pin—2314	Big Ben	S6D	S6D	.70	.45	.30
PINION, Set Shaft						
Pin—2322	Big Ben	S6D	S6	.30	.25	.20
PLATE, Back						
Pla—2426	Big Ben	S6D	S6D	3.00	.90	.40
Pla—2454	Oracle	S6E	S6E	2.40	.75	.40
PLATE, Front						
Pla—2518	Big Ben	S6D	S6D	3.00	.90	.40
Pla—2554	Oracle	S6E	S6E	3.00	.90	.40

R

RING, Glass, Colored						
Rin—2626	Oracle	S6E	S6E	18.75	4.75	1.75

S

SCREW, Back						
Scr—2642	Big Ben	S6D	S5E	.30	.25	.20

A helpful hint

Electric Clocks Are Easy To Repair

Not too many years ago, many watchmakers felt that the repairing of electric clocks was out of their field. Now most watchmakers find that it is just as easy to repair an electric clock as a spring-driven clock.

There have been many advancements made in the manufacture of electric clocks. Parts have been standardized to fit several models and parts have been made available through wholesale material dealers from coast to coast as well as from the factory.

Illustrations on pages 50 & 51

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SCREW, Base						
Scr—2694	Big Ben	S6D	66J	\$.30	\$.25	\$.20
Scr—2702	Oracle	S6E	69	.30	.25	.20
SCREW, Bracket						
Scr—2706	Oracle	S6E	S6E	.30	.25	.20
SCREW, Bridge						
Scr—2714	Big Ben	S6D	bB4	.30	.25	.20
SCREW, Case <i>Used as motor attaching screw</i>						
Scr—2786		Both	66L	.30	.25	.20
SCREW, Gong						
Scr—2858	Big Ben	S6D	S6	.30	.25	.20
SCREW, Motor						
Scr—2886	Big Ben	S6D	M1	.30	.25	.20
SCREW, Motor Attaching						
Big Ben, Oracle Order Screw, Case, Scr—2786						
SCREW, Movement						
Scr—2894	Oracle	S6E	S1A	.30	.25	.20
SET, Alarm						
Set—3022	Big Ben	S6D	S6D	.50	.35	.25
SET, Hand						
Big Ben Order Set, Time, Set—3038						
Oracle Order Knob, Set, Kno—1966						
SET, Time						
Set—3038	Big Ben	S6D	S6D	.50	.35	.25
SHAFT, Set						
Sha—3062	Big Ben	S6D	S6D	.50	.35	.25
Sha—3070	Oracle	S6E	S6E	.50	.35	.25
SIGNAL						
Sig—3130	Big Ben	S6D	S6D	1.00	.50	.35
Sig—3154	Oracle	S6E	S6	1.00	.50	.35
SLEEVE, Gong Stud						
Sle—3182	Big Ben	S6D	S6D	.30	.25	.20
SPAGHETTI (Insulating Tubing)						
Spa—3226	Big Ben	S6D	S4B	.50	.35	.25
Spa—3238	Oracle	S6E	S6E	.50	.35	.25
SPRING, Set Shaft						
Spr—3378	Oracle	S6E	S6E	.30	.25	.20

A helpful hint

Short Alarm Ring On Big Ben Electric

Should the alarm sound for less than twenty seconds, give the alarm winding knob six or seven complete turns, or connect to current for twelve hours. Then if the alarm will not ring for at least twenty seconds, look for a broken spring.

When it is necessary to order repair parts direct from the factory, send a remittance to cover the cost of the parts and the estimated postage. Repair material is not sold on an open account or C. O. D. basis.

Illustrations on pages 50 & 51

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SPRING, Trip Staff, Friction						
Spr—3386	Big Ben	S6D	71	\$.30	\$.25	\$.20
SPRING, Glass Tension						
Spr—3410	Oracle	S6E	S6E	1.00	.50	.35
SPRING, Trip						
Spr—3459	Big Ben	S6D	S6	.30	.25	.20
STAFF, Switch						
Sta—3498	Big Ben	S6D	S6D	.70	.45	.30
STUD, Signal						
Stu—3634	Oracle	S6E	S6	.30	.25	.20

T

TUBING, Insulating *Order Spaghetti* TURN, Center (Hand Set)

Big Ben *Order Set, Time, Set—3038*
Oracle *Order Knob, Set, Kno—1966*

W

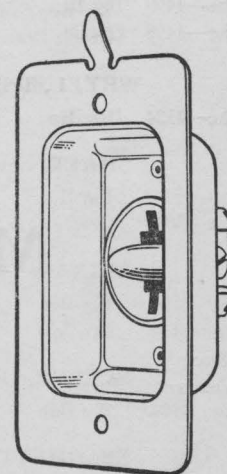
WASHER, Movement Holder						
Was—3766		Both	S2B	.30	.25	.20
WASHER, Seconds, Thrust						
Was—3822	Big Ben	S6D	S6D	.30	.25	.20
WASHER, Alarm Set						
Was—3826	Big Ben	S6D	S2D	.30	.25	.20
WASHER, Alarm Set, Friction						
Was—3830	Big Ben	S6D	S6D	.30	.25	.20
WASHER, Set Shaft						
Was—3846	Big Ben	S6D	E5S	.30	.25	.20
Was—3850	Oracle	S6E	S6E	.30	.25	.20
WASHER, Trip Staff, Round						
Was—3878	Big Ben	S6D	66J	.30	.25	.20
WHEEL, Bakelite						
Whe—3954		Both	S6	1.35	.50	.35
WHEEL, Center						
Whe—4078	Big Ben	S6D	S6D	1.85	.55	.35
Whe—4102	Oracle	S6E	S6E	1.85	.55	.35
WHEEL, Alarm Escape						
Whe—4158	Big Ben	S6D	S6	1.50	.50	.35

A helpful hint

When Customer Objects to Cord Showing

There are a number of models of electric wall clock hanger outlets on the market that can be installed in the wall right where the wall clock is to be hung. The outlets fit flush with the wall and completely hide the cords. There is a hanger on the outlet to hold the clock. Most electric shops carry these outlets in stock. (Westclox has none to sell.)

Here's an artist's sketch of a flush wall hanger outlet.



Illustrations on pages 50 & 51

Series 6—Electric Clocks

Big Ben Electric—Oracle

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

			Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	1/4 Doz. Each
WHEEL, Fifth					
Whe—4182		Both	S6	\$1.85	\$.55 \$.35
WHEEL, Fourth					
Whe—4222		Both	S6	1.50	.50 .35
WHEEL, Hour					
Whe—4278	Big Ben	S6D	S6D	.70	.45 .30
Whe—4298	Oracle	S6E	S6	.70	.45 .30
WHEEL, Alarm Indicator					
Whe—4314	Big Ben	S6D	S6D	.70	.45 .30
WHEEL, Alarm Main					
Whe—4354	Big Ben	S6D	S6D	4.00	1.20 .45
WHEEL, Seconds					
Whe—4410	Big Ben	S6D	S6D	.70	.45 .30
Whe—4426	Oracle	S6E	S6B	.70	.45 .30
WHEEL, Set					
Whe—4438	Big Ben	S6D	S6D	.50	.40 .25
WHEEL, Alarm Set					
Whe—4446	Big Ben	S6D	S6D	.70	.45 .30
WHEEL, Third					
Whe—4490	Big Ben	S6D	S6D	1.50	.50 .35
Whe—4498	Oracle	S6E	S6	1.50	.50 .35
WHEEL, Trip					
Whe—4534	Big Ben	S6D	S6D	.70	.45 .30

Illustrations on pages 50 & 51

A helpful hint

In Ordering Coils

In Westclox electric clocks, the coils vary as to size and wire specifications, depending on the requirements of the clock. To make sure you get the right coil, make it a point to mention the name and model number, voltage and cycle, all of which appear on the face or back of the clock. This catalog lists the proper stock number for each coil.

In some instances the same coil fits several models. When this is the case, the same stock number is listed before the name of each model.

Moonbeam—Electric Clock

			Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	1/4 Doz. Each
B					
Bac—0066	Back	S5J	S5J	\$4.00	\$1.20 \$.45
Bas—0166	Base	S5J	S5J	9.00	2.65 1.00
Bus—0410	Bushing, Cord	S5J	S5J	.50	.40 .25
Bus—0426	Bushing, Rubber	S5J	69	.30	.25 .20

Illustrations on page 59

To assure getting the right parts, parts should be ordered by quantity, stock number, name of clock, model number, name of part and part used number.

Moonbeam—Electric Clock

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
C						
Cam—0438	Cam, Flasher	S5J	S5J	\$.50	\$.35	\$.25
Cam—0446	Cam, Trip	S5J	S5J	.50	.40	.25
Cam—0450	Cam, Flasher Trip	S5J	S5J	.50	.35	.25
Cas—0578	Case	S5J	S5J	18.75	4.75	1.75
Coi—0746	Coil	S5J	M2F			.50
Cor—0758	Cord	S5J	S5F	4.65	1.40	.50
D						
Dia—0846	Dial, Alarm Indicator	S5J	S2D	1.00	.50	.35
Dia—0934	Dial, Luminous	S5J	S5J	11.00	3.30	1.15
Dia—1066	Dial, Plain	S5J	S5J	1.50	.50	.35
G						
Gla—1238	Glass	S5J	S5J	2.00	.65	.35
H						
Han—1466	Hands, Luminous (Pair Hour & Minute)	S5J	S5J	4.00	1.20	.45
Han—1586	Hands, Plain (Pair Hour & Minute)	S5J	S5J	.60	.45	.30
Han—1666	Hand, Seconds (Sweep)	S5J	S5F	.50	.35	.25
Hol—1746	Holder, Movement	S5J	S5J	7.50	2.25	.80
I						
Ind—1854	Indicator (Alarm Hand)	S5J	S2D	1.00	.50	.35
Ins—1862	Insulator	S5J	S5J	.30	.25	.20
Ins—1882	Insulator, Top	S5J	S5J	.30	.25	.20
K						
	Knob, Set (Hand Set) Order Turn, Center, Tur—3706	S5J				
Kno—1982	Knob, Switch (Alarm Shut-off)	S5J	S5J	.30	.25	.20
L						
Lam—2022	Lamp	S5J	S5J	3.35	1.00	.40
Lev—2054	Lever, Switch	S5J	S5	.50	.35	.25
Lev—2058	Lever, Flasher Switch	S5J	S5J	.50	.40	.25

The ever increasing market for electric clocks has opened up a new field for the clock repairman. In many ways it is easier to repair an electric clock than a spring-driven clock. Just try it and see.

A helpful hint

When Removing Moonbeam Movement from Case

Set all hands on twelve before starting to remove the movement from the case.—Less chance of damaging the hands.

A helpful hint

When Adjusting Flasher on Moonbeam

If lamp fails to light and is not burned out, check the pressure on contact points. Hold the clock so the numeral 3 is at 12 o'clock position. The light should function satisfactorily in this position. If it does not, the stationary contact should be bent slightly to produce proper contact pressure.

A helpful hint

Contact Pressure for Moonbeam

The question is sometimes asked, "What is suitable contact pressure"?—Suitable contact pressure is when the movable contact spring presses the stationary contact spring with enough force to move it slightly.

Illustrations on page 59

Moonbeam—Electric Clock

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
M						
Mot—2154	Motor	S5J	M2F			\$1.25
N						
Nut—2222	Nut, Pillar	S5J	bB3	\$.30	\$.25	\$.20
Nut—2226	Nut, Pillar	S5J	61V	.30	.25	.20
Nut—2254	Nut, Trip Staff	S5J	S2D	.30	.25	.20
Nut—2258	Nut, Wire	S5J	S5J	.30	.25	.20
P						
Pin—2298	Pinion, Seconds Drive	S5J	S5J	.30	.25	.20
Pin—2310	Pinion, Alarm Set	S5J	S2D	.50	.35	.25
Pla—2450	Plate, Back	S5J	S5J	2.00	.65	.35
Pla—2550	Plate, Front	S5J	S5J	4.00	1.20	.45
R						
Ret—2606	Retainer, Glass Retainer	S5J	S5J	1.85	.55	.35
Ret—2607	Retainer, Insulator	S5J	S5J	.50	.40	.25
S						
	Screw, Back Order Screw, Gong, Scr—2838					
	Screw, Base, Large Order Screw, Movement Holder, Scr—2874					
	Screw, Base, Small Order Screw, Case, Scr—2810					
Scr—2710	Screw, Bell Bracket Used as movement holder screw	S5J	S5	.30	.25	.20
Scr—2810	Screw, Case Small gilt screw used under base	S5J	S5J	.30	.25	.20
Scr—2838	Screw, Gong Used as back screw	S5J	61S	.30	.25	.20
	Screw, Movement Holder, Inside Order Screw, Bell Bracket, Scr—2710					
Scr—2874	Screw, Movement Holder, Outside Used beneath the base	S5J	S5J	.30	.25	.20
Scr—2890	Screw, Motor	S5J	M3	.30	.25	.20
Scr—2922	Screw, Retainer	S5J	S5J	.30	.25	.20
Set—3026	Set, Alarm	S5J	S2E	.50	.35	.25
	Set, Hand Order Turn, Center, Tur—3706					
Sha—3078	Shaft, Alarm Set	S5J	S5J	.50	.40	.25
Shi—3098	Shield, Light	S5J	S5J	.50	.35	.25
Sig—3150	Signal, Plain Dial Clock	S5J	S5E	1.00	.50	.35
Sig—3170	Signal, Luminous Dial Clock	S5J	S5J	1.00	.50	.35
Spa—3222	Spacer, Fourth Wheel	S5J	S5J	.30	.25	.20
Spr—3282	Spring, Fixed Contact	S5J	S5J	.60	.45	.30
Spr—3350	Spring, Retainer	S5J	S5J	.50	.35	.25

Be sure to stock motors and coils for Westclox electric clocks.

A helpful hint

To Adjust the Flasher and Buzzer Interval on Moonbeam

When the buzzer armature drops into the small notch on the periphery of the trip cam, the movable flasher spring arm should just drop off of the end of the steel flasher cam. In case the movable flasher arm needs adjusting, a forked tool should be inserted in the vertical portion of the spring at the extreme end. Then the spring can be bent to the left or to the right, to get the spring to just pass the end of the flasher cam. This being done correctly, the flasher light will flash two to six minutes before the buzzer starts.

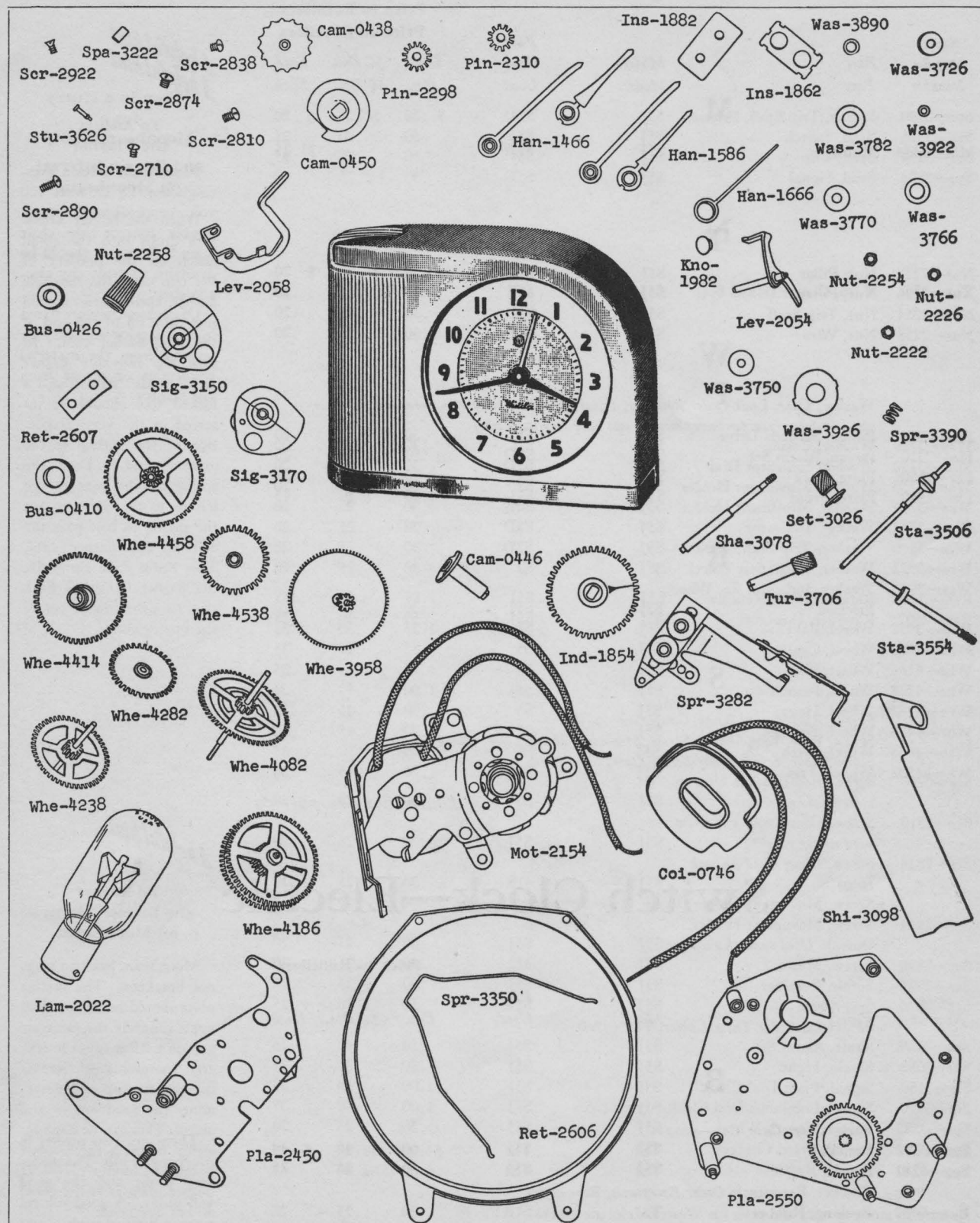
A helpful hint

To Adjust the Buzzer Alarm on Moonbeam

Moonbeam has two magnet brackets. The buzzer plate should be adjusted to approximately the same air gap on both magnet brackets. Increasing or decreasing the air gap will determine the loudness of the alarm. This can be done by either bending the magnet bracket or buzzer plate. If buzzer plate is to be bent, do not overbend.

Illustrations on page 59

Moonbeam—Electric Clock



Illustrations are one-fourth actual size

Moonbeam—Electric Clock

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
Spr—3390	Spring, Trip Staff, Friction	S5J	S2D	\$.30	\$.25	\$.20
Sta—3506	Staff, Switch	S5J	S5J	.50	.40	.25
Sta—3554	Staff, Trip	S5J	S5J	.50	.40	.25
Stu—3626	Stud, Signal	S5J	S5F	.30	.25	.20

T

Tur—3706	Turn, Center (Hand Set)	S5J	S5J	.50	.35	.25
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W

Washer, Case, Lock Order Retainer, Insulator, Ret—2607 (On insulator unit use one insulator retainer to replace the two case lock washers.)

Was—3726	Washer, Casing	S5J	S7C	.30	.25	.20
Was—3750	Washer, Indicator Dial	S5J	S2D	.30	.25	.20
Was—3770	Washer, Movement Holder	S5J	S5	.30	.25	.20
Was—3766	Washer, Movement Holder	S5J	S2B	.30	.25	.20
Was—3782	Washer, Indicator	S5J	S2D	.30	.25	.20
Was—3890	Washer, Trip Staff, Thrust	S5J	S2D	.30	.25	.20
Was—3922	Washer, Reduction Wheel	S5J	S2	.30	.25	.20
Was—3926	Washer, Indicator Set Wheel, Friction	S5J	S5J	.30	.25	.20
Whc—3958	Wheel, Bakelite	S5J	S5	1.35	.50	.35
Whc—4082	Wheel, Center	S5J	S5	1.85	.55	.35
Whc—4186	Wheel, Fifth	S5J	S5	1.85	.55	.35
Whc—4238	Wheel, Fourth	S5J	S5J	1.00	.50	.35
Whc—4282	Wheel, Hour	S5J	S5	.70	.45	.30
Whc—4414	Wheel, Seconds	S5J	S5	.70	.45	.30
Whc—4458	Wheel, Sixth	S5J	S5	1.00	.50	.35
Whc—4538	Wheel, Trip	S5J	S4B	.70	.45	.30

Illustrations on page 59

Switch Clock—Electric

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
	Back, Order Case, Cas—0602					
Bar—0110	Bar, Pull	TS1	TS1	\$4.00	\$1.20	\$.45
Bez—0242	Bezel	TS1	TS1	6.00	1.80	.65
	Bracket, Receptacle Order Receptacle, Rec—2590					
Bus—0430	Bushing, Rubber	TS1	S1A	.30	.25	.20

Illustrations on page 62

A helpful hint

When in a Hurry for a Moonbeam Lamp

Moonbeam takes a Westinghouse T8 25 watt 120 volt candelabra bayonet, double contact base, clear lamp bulb which should be available in most any electric shop.

Of course, they are listed in this catalog and may be ordered from the material wholesaler or direct from the factory.

There are two profits in every repair job. The monetary profit and the good will profit. A good job returns a little of each.

Switch Clock—Electric

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
C						
Cas—0602	Case	TS1	TS1	\$6.00	\$1.80	\$.65
Cla—0718	Clamp, Cord	TS1	S4	.30	.25	.20
Coi—0750	Coil	TS1	M3C			.75
Con—0754	Connector, Wire	TS1	TS1	.50	.35	.25
Cor—0766	Cord	TS1	TS1	12.00	3.60	1.30
Cry—0798	Crystal (Lucite)	TS1	TS1	8.35	2.50	.90

Used on first model. Order glass, Gla—1254 for later model.

D

Dia—0842	Dial, Indicator	TS1	TS1	1.35	.50	.35
Dia—1082	Dial	TS1	TS1	2.00	.65	.35

F

Fro—1130	Front	TS1	TS1	16.00	4.80	1.70
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G

Gla—1254	Glass	TS1	TS1	3.00	.90	.40
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H

Han—1606	Hands, (Pair Hour & Minute)	TS1	TS1	1.85	.55	.35
Han—1694	Hand, Seconds (Sweep)	TS1	TS1	.50	.35	.25
Hol—1758	Holder, Movement	TS1	TS1	3.00	.90	.40

I

Kno—1970	Ins—1866	Insulator, Cord Clamp	TS1	TS1	.50	.35	.25
	Ins—1866	Insulator, Contact Spring	TS1	TS1	1.85	.55	.35
	Ins—1878	Insulator, Front Toggle	TS1	TS1	.50	.35	.25

K

Ins—1874						
Kno—2014	Knob, Set (Hand Set)	TS1	TS1	1.00	.50	.35
	Knob, Switch (Shut-off)	TS1	TS1	2.00	.65	.35

L

Lea—2026	Lead, Receptacle Contact	TS1	TS1	1.50	.50	.35
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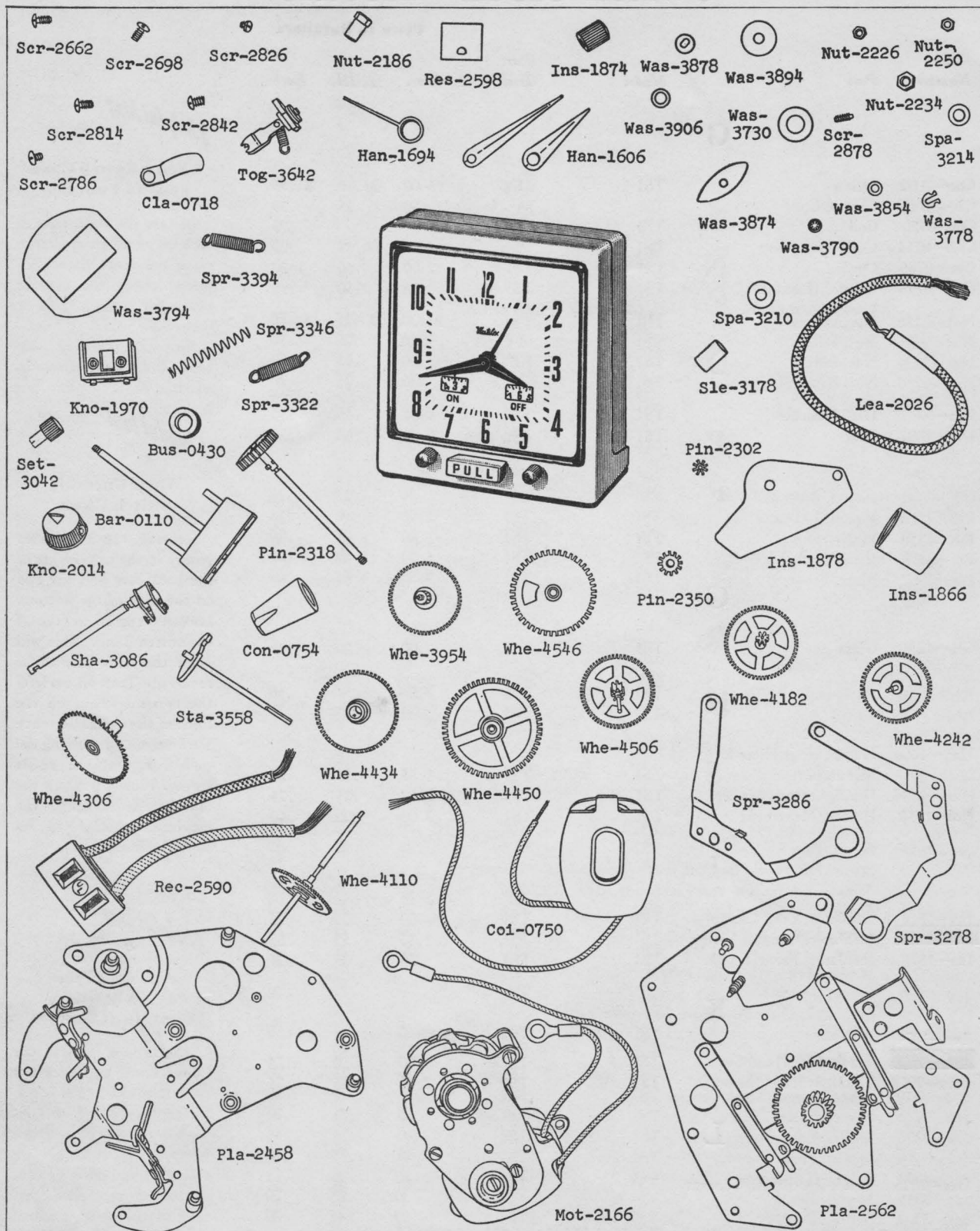
Before ordering outside parts for Switch Clock, refer to the foot note on page 64.

*A helpful hint***When Uncasing
Switch Clock**

Remove the two brass screws in the upper part of the back case and the two on the edge of the bottom. Loosen set screw to take off the switch knob. This will allow the back case to be removed. Turn off (to left) the two set knobs on the front of the clock. Remove the hexagon nut holding the pull bar and the re-set spring. Finally unscrew the four screws fastening the movement holder to release the front.

Illustrations on page 62

Switch Clock—Electric



Illustrations are one-fourth of actual size

Switch Clock—Electric

Stock Number	Part	Model	Part Used	Price to Retailers		
				Doz.	¼ Doz.	Each
M						
Mot—2166	Motor	TS1	M3C			\$1.50
N						
Nut—2186	Nut, Casing	TS1	TS1	\$.30	\$.25	\$.20
Nut—2226	Nut, Pillar	TS1	61V	.30	.25	.20
Nut—2234	Nut, Pillar	TS1	BB3	.30	.25	.20
Nut—2250	Nut, Reset Shaft	TS1	TS1	.30	.25	.20
P						
Pin—2302	Pinion, Seconds Drive	TS1	TS1	.30	.25	.20
Pin—2318	Pinion, Indicator Set	TS1	TS1	1.00	.50	.35
Pin—2350	Pinion, Shuck	TS1	TS1	.30	.25	.20
Pla—2458	Plate, Back	TS1	TS1	4.00	1.20	.45
Pla—2562	Plate, Front	TS1	TS1	5.50	1.65	.60
R						
Rec—2590	Receptacle	TS1	TS1	3.00	.90	.40
Res—2598	Reset	TS1	TS1	.30	.25	.20
S						
Scr—2662	Screw, Back	TS1	S7B	.30	.25	.20
Scr—2698	Screw, Base	TS1	S6	.30	.25	.20
	Screw, Receptacle Bracket <i>Order Receptacle, Rec—2590</i>					
Scr—2786	Screw, Case <i>Used as motor attaching screw</i>		66L	.30	.25	.20
Scr—2814	Screw, Case Clamp	TS1	TS1	.30	.25	.20
Scr—2826	Screw, Dial	TS1	TS1	.30	.25	.20
Scr—2842	Screw, Gong	TS1	48E	.30	.25	.20
	Screw, Motor attaching <i>Order Screw, Case, Scr—2786</i>					
Scr—2878	Screw, Switch Knob, Set	TS1	TS1	.30	.25	.20
	Set, Hand <i>Order Set, Time, Set—3042</i>					
Set—3042	Set, Time	TS1	TS1	.60	.45	.30
Sha—3086	Shaft, Toggle	TS1	TS1	1.15	.50	.35
Sle—3178	Sleeve, Case Stud	TS1	TS1	.30	.25	.20
Spa—3210	Spacer, Spring, Thick Contact	TS1	TS1	.30	.25	.20
Spa—3214	Spacer, Spring, Thin Contact	TS1	TS1	.30	.25	.20
Spr—3278	Spring, Back Contact	TS1	TS1	2.40	.75	.40
Spr—3286	Spring, Front Contact	TS1	TS1	2.40	.75	.40
Spr—3322	Spring, Trip Lever	TS1	TS1	.50	.40	.25
Spr—3346	Spring, Reset	TS1	TS1	.30	.25	.20
Spr—3394	Spring, Starter	TS1	TS1	.60	.45	.30
Sta—3558	Staff, Trip	TS1	TS1	.70	.45	.30

A helpful hint

When a Switch Clock Fails to Function

In case the clock fails to turn on or off an appliance using not more than 1725 watts, check the contact points for tension, pits or corrosion.

Automatic setting can be made for a predetermined time not exceeding ten hours in advance.

A helpful hint

Accurate Time Only On Controlled Current

The master clock in the power house regulates the electric clocks in the home. Unless the "power" is controlled the clocks will not keep time. A Westclox to keep time, must be connected to controlled current of the cycle specified on the back of the clock.

Illustrations on page 62

Switch Clock—Electric

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
T						
Tog—3642	Toggle	TS1	TS1	\$4.65	\$1.40	\$.50
	Turn, Center (Hand Set)	Order Set, Time, Set—3042				

W

Was—3730	Washer, Casing	TS1	S4	.30	.25	.20
Was—3778	Washer, Horseshoe	TS1	TS1	.30	.25	.20
Was—3790	Washer, Lock	TS1	'38-70E	.30	.25	.20
Was—3794	Washer, Receptacle	TS1	TS1	.60	.45	.30
Was—3854	Washer, Spacer	TS1	S5	.30	.25	.20
Was—3874	Washer, Trip Staff, Friction	TS1	48D	.30	.25	.20
Was—3878	Washer, Trip Staff, Round	TS1	66J	.30	.25	.20
Was—3894	Washer, Bell Stand, Large	TS1	Am2	.30	.25	.20
Was—3906	Washer, Thrust	TS1	S4	.30	.25	.20
Whe—3954	Wheel, Bakelite	TS1	S6	1.35	.50	.35
Whe—4110	Wheel, Center	TS1	TS1	1.50	.50	.35
Whe—4182	Wheel, Fifth	TS1	S6	1.85	.55	.35
Whe—4242	Wheel, Fourth	TS1	TS1	1.50	.50	.35
Whe—4306	Wheel, Hour	TS1	TS1	.70	.45	.30
Whe—4434	Wheel, Seconds	TS1	TS1	.70	.45	.30
Whe—4450	Wheel, Indicator Set	TS1	TS1	.70	.45	.30
Whe—4506	Wheel, Third	TS1	TS1	1.50	.50	.35
Whe—4546	Wheel, Trip	TS1	TS1	.70	.45	.30

A helpful hint

Remittance with Order

Repair material is not sold from the factory to the retailer on an open account or C. O. D. basis. Where the order is placed with the factory a remittance to cover the cost of the material, postage and, tax where in order, should accompany the order.

Illustrations on page 62

Switch Clock — Changes in Construction

THERE have been two models of the Switch Clock. The first one had a brass-colored front case; the second one, shown on page 62, had an ivory-colored front case. Most of the other parts are the same but where there are differences, the parts for the ivory-colored front clock are listed.

Brass-colored front cases are no longer available. When a new case is needed it is necessary to order the ivory front case, Fro—1130; glass, Gla—1254; bezel, Bez—0242.

The clock with the brass-colored case used a Lucite crystal. The part is listed in this catalog as crystal, Cry—0798.

Other differences are hands, dial, pull bar, sets and cord but these parts are interchangeable.

There were a few changes made in the movement.—Parts used in the brass-colored case model, but not used in the current

ivory-colored model, are not listed.

When in doubt regarding the part to order, send in the part from the clock needing repair.

The Switch Clock was designed to turn appliances on and off but not off and on. It should not be connected to appliances pulling more than 1725 watts.

Most of the parts used in the Switch Clock were designed especially for the Switch Clock and are designated as TS1 parts. This is shown under the heading, "Part Used".

The Switch Clock has met with ready acceptance; sales have exceeded expectations; thousands are now in use. Eventually there will be some in for repair as like in all mechanisms, parts will wear and need repairing or replacing.—And there is always the cleaning and lubricating job to do.

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

THE six electric clocks listed above have many parts in common. They are known as the S5 Series because of similarity of movements. The parts are listed alphabetically and where the same part fits more than one clock, it carries the same "stock number" and "part used" number.

This method of listing is a big advantage to the repairman as it enables him to keep his purchases of

spare parts to the minimum and still be able to repair many models.

There are a few parts that interchange between a number of models of electric clocks, spring-driven clocks or pocket watches.

A list of parts that interchange with spring-driven clocks, pocket watches or electric clocks will be found at the end of the clock listings.

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
BACK						
Bac—0026	Bachelor	S5A	S5A	\$4.00	\$1.20	\$.45
Bac—0046	Dunbar	S5C	S5C	2.15	.65	.40
Bac—0054	Logan	S5F	S5F	4.00	1.20	.45
Bac—0058	Manor	S5B	S5B	2.15	.65	.40
	Pittsfield Order Gong, Gon—1330					
BAND, Case						
Ban—0106	Bachelor	All	S4C	1.50	.50	.35
BASE						
Bas—0174	Pittsfield	S5G	S5G	12.00	3.60	1.30
BELL						
Bel—0182	Bachelor, Logan		S5	1.00	.50	.35
	Pittsfield Order Gong, Gon—1330					
BEZEL						
Bez—0222	Dunbar	S5C	S5C	5.00	1.50	.55
Bez—0230	Manor	S5B	S4A	5.00	1.50	.55
Bez—0238	Pittsfield	S4B-S5G	S4B	5.00	1.50	.55
BEZEL, Inner						
Bez—0274	Ardmore	S5E	S5E	5.25	1.60	.55
BEZEL, Outer						
Bez—0282	Ardmore	S5E	S5E	7.50	2.25	.80
BRACKET, Stem						
Bra—0298	Dunbar, Manor		S5B	1.00	.50	.35
BUSHING, Cord						
Bus—0402	Bachelor, Dunbar		S2H	.50	.40	.25

A helpful hint

Interchangeable Parts

Many Westclox parts are interchangeable. A part is only numbered once so regardless of where it is used it carries the same number. There are over eleven hundred numbers in this catalog.

Illustrations on page 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

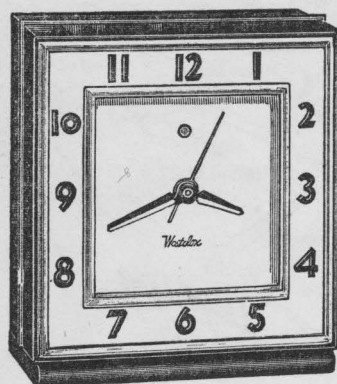
Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
BUSHING, Rubber						
Bus—0426		All	69	\$.30	\$.25	\$.20
BUSHING, Case Stud						
Bus—0434	Ardmore	S5E	S5D	.30	.25	.20
C						
CAM, Trip						
Cam—0442	Bachelor, Logan, Pittsfield		S5	.50	.35	.25

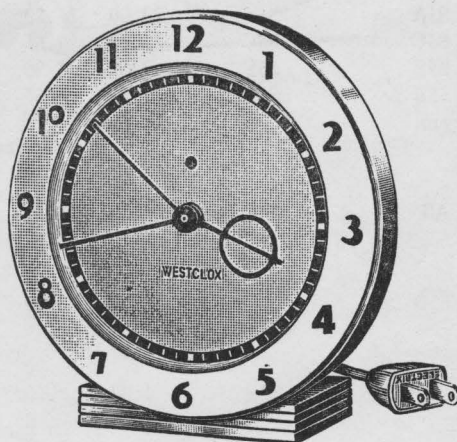
In this catalog, illustrations of clock parts are one-fourth the actual size of the parts. In this size the screws are rather hard to distinguish so all screws are illustrated in actual size on pages 93, 94 and 95.

The listings also show the name of the Westclox the various screws fit.

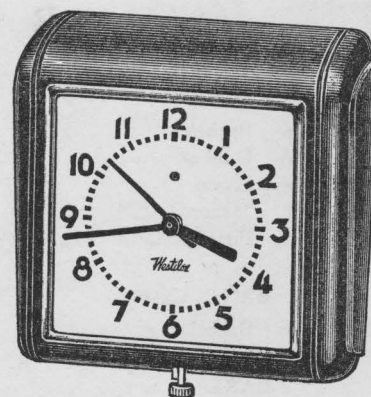


Ardmore, S5E

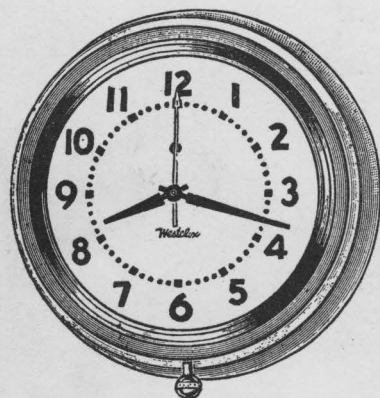
On these models the individual name of the clock is stamped on the back of the case.



Pittsfield, S5G



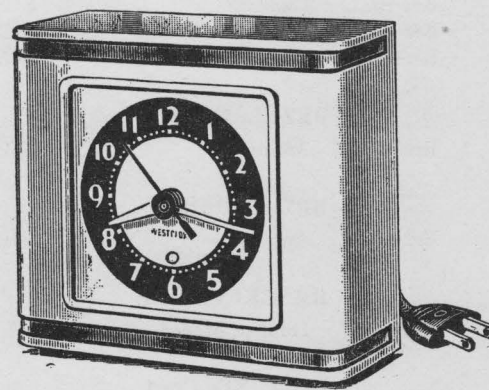
Dunbar, S5C



Manor, S5B

These are S5 Clocks

ALL of the electric clocks illustrated on these two pages are known in the factory as the S5 series. Many of the movement parts are interchangeable. This is shown by both the "stock number" and the "part used" number. For example: The M2D coil fits all of these clocks.

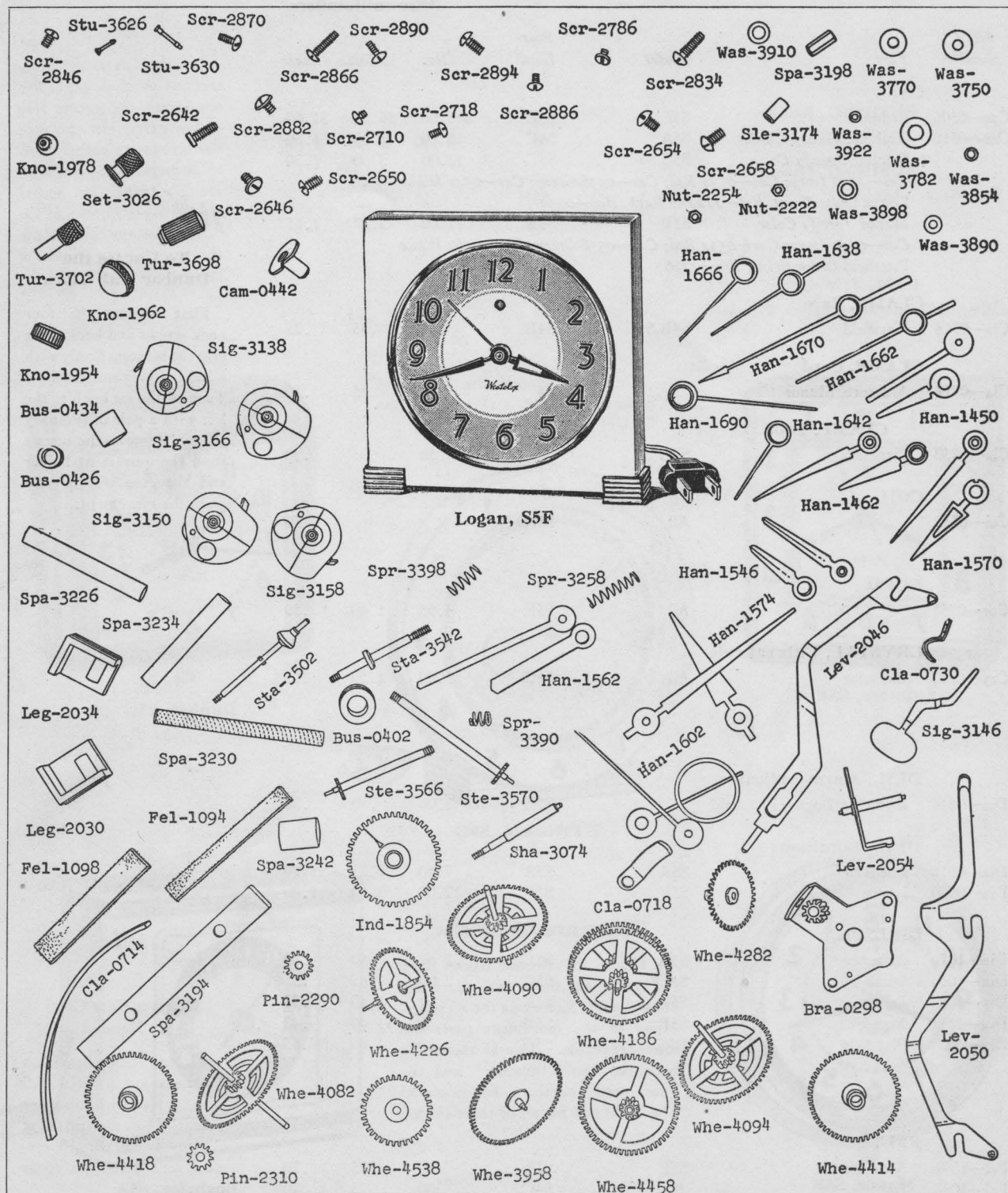


Bachelor, S5A

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield



Illustrations are one-fourth actual size

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
CASE						
Cas—0506	Ardmore	S5E	S5E	\$15.00	\$4.50	\$1.60
Cas—0510	Bachelor (Ivory Clock)	S5A	S4C	12.00	3.60	1.30
	Dunbar <i>Specify Color</i>	S5C	S5C	12.00	3.60	1.30
	<i>Cas—0530 Ivory; Cas—0534 Red; Cas—0538 Green; Cas—0542 White</i>					
	<i>Logan Order Front, Fro—1122 & Back, Bac—0054</i>					
	Manor <i>Specify Color</i>	S5B	S5B	11.00	3.30	1.15
	<i>Cas—0550 Ivory; Cas—0554 Red; Cas—0558 Green; Cas—0562 White</i>					
	<i>Pittsfield Order Front, Fro—1126</i>					
CLAMP, Base						
Cla—0714	Pittsfield	S4B-S5G	S4B	.50	.35	.25
CLAMP, Cord						
Cla—0718	Ardmore, Manor		S4	.30	.25	.20
CLAMP, Foot						
Cla—0730	Pittsfield	S5G	66AA	.30	.25	.20
COIL						
Coi—0742		All	M2D			.50
CORD						
Cor—0758		All	S5F	4.65	1.40	.50
CRYSTAL, Unbreakable						
Cry—0822	Bachelor	All	S4C	5.00	1.50	.55
D						
DIAL, Alarm Indicator						
Dia—0846	Bachelor, Logan, Pittsfield		S2D	1.00	.50	.35
DIAL, Luminous						
Dia—0918	Bachelor	S5A	S5A	7.50	2.25	.80
Dia—0930	Logan	S5F	S5F	12.00	3.60	1.30
DIAL, Plain						
Dia—1026	Ardmore	S5E	S5E	2.60	.80	.40
Dia—1046	Dunbar	S5C	S5C	2.00	.65	.35
Dia—1054	Logan	S5F	S5F	5.00	1.50	.55
Dia—1058	Manor	S5B	S5B	3.35	1.00	.40
Dia—1078	Pittsfield	S5G	S5G	6.00	1.80	.65
F						
FELT						
Fel—1094	Ardmore	S5E	S5E	.30	.25	.20
Fel—1098	Bachelor	All	S4C	.30	.25	.20

A helpful hint

To Uncase the Dunbar Wall Clock

First remove the four back screws and back, then grip the set stem firmly with a pair of long-nosed pliers. Turn off the set knob to the left with a pair of ordinary pliers. Remove the screws from the movement holder and the case will be free from the movement.

A helpful hint

When a New Cord Is Needed

Electric cords used on Westclox are parallel #20 wire covered with rubber or plastic. Most electric shops can supply #20 wire. Westclox sells complete cords only.

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
FRONT						
Fro—1122	Logan	S5F	S5F	\$ 9.00	\$2.65	\$1.00
Fro—1126	Pittsfield (Numeral Ring)	S4B-S5G	S4B	11.00	3.30	1.15

G

GASKET

Gas—1166	Pittsfield	S4B-S5G	S4B	30	.25	.20
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GLASS

Gla—1206	Ardmore	S5E	S5E	1.85	.55	.35
	Bachelor Order Crystal, Cry—0822					
Gla—1222	Dunbar	S5C	S5C	3.35	1.00	.40
Gla—1226	Logan	S5F	66Q	2.00	.65	.35
Gla—1230	Manor	S5B	S4A	3.35	1.00	.40
Gla—1250	Pittsfield	S4B S5G	S4B	6.00	1.80	.65

GONG

Gon—1330	Pittsfield	S5G	S5G	5.00	1.50	.55
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H

HANDS, Luminous (Pair Hour & Minute)

Han—1450	Bachelor	S5A	S5A	2.50	.75	.40
Han—1462	Logan	S5F	S5F	4.00	1.20	.45

HANDS, Plain (Pair Hour & Minute)

Han—1546	Ardmore	S5E	S5E	.60	.45	.30
Han—1562	Dunbar	S5C	S5C	.60	.45	.30
Han—1570	Logan	S5F	S5F	.60	.45	.30
Han—1574	Manor	S5B	S5B	.60	.45	.30
Han—1602	Pittsfield	S5G	S5G	.60	.45	.30

HAND, Seconds (Sweep)

Han—1638	Ardmore	S5E	S5E	.50	.35	.25
Han—1642	Bachelor	S5-S5A	S5	.50	.35	.25
Han—1662	Dunbar	S5C	S5C	.50	.35	.25
Han—1666	Logan	S5F	S5F	.50	.35	.25
Han—1670	Manor	S5B	S5B	.50	.35	.25
Han—1690	Pittsfield	S5G	S5G	.50	.35	.25

HOLDER, Movement

Hol—1726	Ardmore	S5E	S5E	3.00	.90	.40
Hol—1730	Bachelor	S5-S5A	S5	2.40	.75	.40
Hol—1734	Dunbar	S5C	S5C	2.40	.75	.40
Hol—1738	Logan	S5F	S5F	2.40	.75	.40
Hol—1742	Manor	S5B	S5B	2.40	.75	.40
Hol—1754	Pittsfield	S5G	S5G	4.00	1.20	.45

The right part in the right place makes the clock run again.—Right.

A helpful hint

How Long Should the Alarm Ring?

On most electric clocks the alarm rings until the mechanism gets out of mesh. This requires anywhere from thirty to ninety minutes depending upon the model and the adjustment. All alarms are designed to ring long enough and loud enough to wake the average sleeper. It is better for the watchmaker not to attempt to try to shorten or lengthen the length of the call.

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
I						
INDICATOR, (Alarm Hand)						
Ind—1854	Bachelor, Logan, Pittsfield		S2D	\$1.00	\$.50	\$.35

A helpful hint

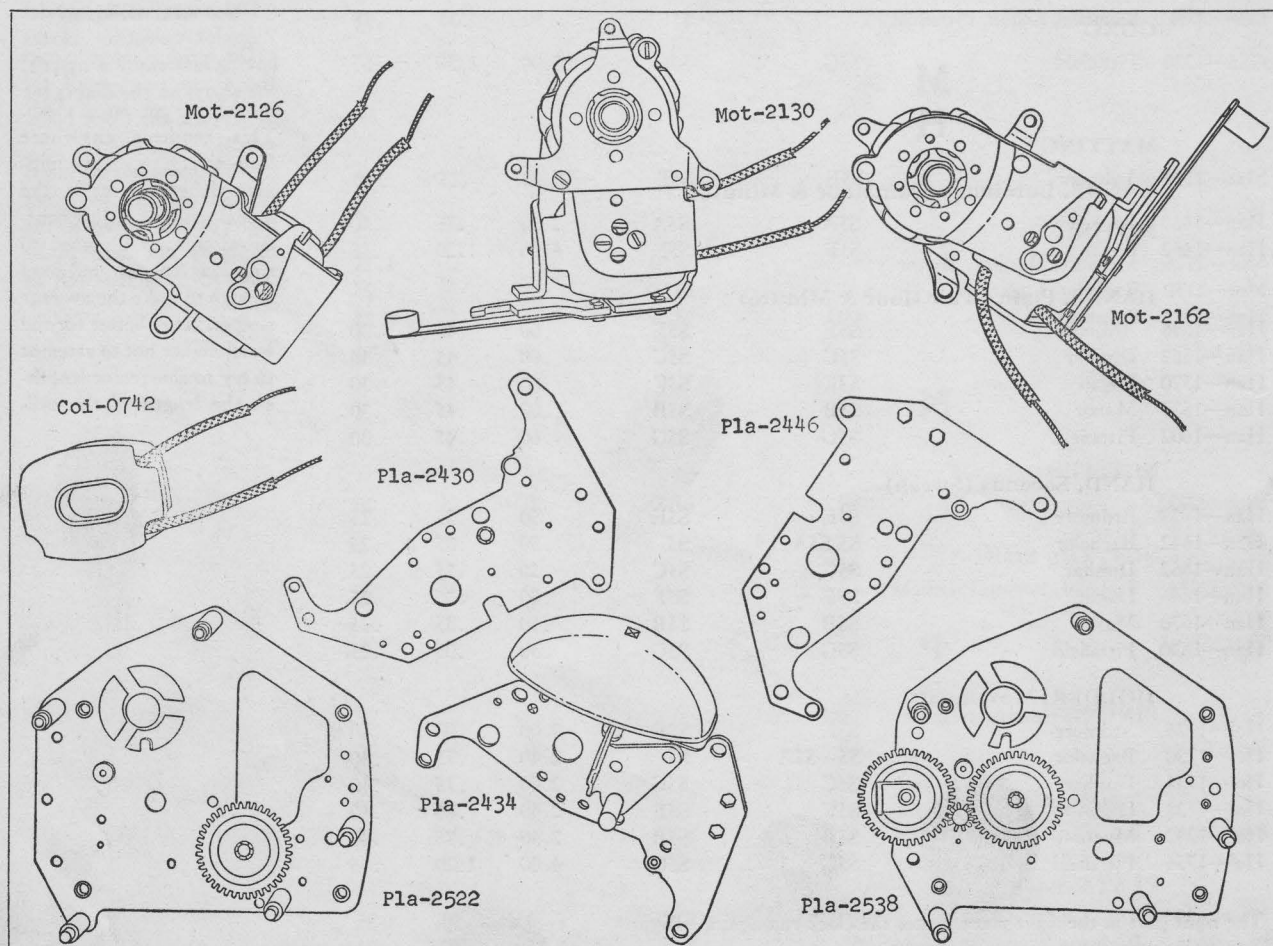
**Carry Coils and
Motors in Stock**

The watchmaker who specializes in the repair of Westclox electric clocks always has a supply of coils and motors on hand. Some of these parts are interchangeable in several models.

K

KNOB, Set (Hand Set)

Ardmore Order Turn, Center, Tur—3698						
Bachelor Order Turn, Center, Tur—3702						
Kno—1954	Dunbar	S5C	S5C	.50	.40	.25
Logan Order Turn, Center, Tur—3702						
Kno—1962	Manor	S5B	S2H2	.50	.40	.25
Pittsfield Order Turn, Center, Tur—3702						



Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
KNOB, Switch (Alarm Shut-off)						
Kno—1978	Bachelor, Logan, Pittsfield		61P	\$.30	\$.25	\$.20
L						
LEG, Left						
Leg—2030	Logan	S5F	S5F	3.00	.90	.40
LEG, Right						
Leg—2034	Logan	S5F	S5F	3.00	.90	.40
LEVER, Signal Set						
Lev—2046	Dunbar	S5C	S5C	.50	.40	.25
Lev—2050	Manor	S5B	S5B	.50	.40	.25
LEVER, Switch						
Lev—2054	Bachelor, Logan, Pittsfield		S5	.50	.35	.25
M						
MATTING						
Mat—2114	Ardmore	S5E	S5E	2.40	.75	.40
MOTOR						
Mot—2126	Ardmore, Dunbar, Manor		M2B			1.25
Mot—2130	Bachelor, Logan		M2D			1.25
Mot—2162	Pittsfield	S5G	M2E			1.25
N						
NUT, Pillar						
Nut—2222		All	bB3	.30	.25	.20
NUT, Trip Staff						
Nut—2254	Bachelor, Logan, Pittsfield		S2D	.30	.25	.20
P						
PINION, Seconds Drive						
Pin—2290		All	S5	.30	.25	.20
PINION, Alarm Set						
Pin—2310	Bachelor, Logan, Pittsfield		S2D	.50	.35	.25
PLATE, Back						
Pla—2430	Ardmore	S5E	S5D	1.35	.50	.35
Pla—2434	Bachelor, Logan, Pittsfield		S5F	1.35	.50	.35

A helpful hint

To Reset Signal

On most table model Westclox electric clocks having interruption signals, the signal on the dial is set by tipping the clock backwards.

Wall clocks having interruption signals, have set shafts on the bottom so the clocks do not need to be removed from the wall to set.

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
Pla—2446	Dunbar, Manor		S5	\$1.35	\$.50	\$.35
PLATE, Front						
Pla—2522	Ardmore, Bachelor, Logan, Pittsfield		S5F	2.60	.80	.40
Pla—2538	Dunbar, Manor		S5B	3.35	1.00	.40
PLATE, Numeral						
Pla—2566	Ardmore	S5E	S5E	3.00	.90	.40

R

RING, Numeral

Rin—2630	Ardmore Numeral dial Pittsfield Order Front, Fro—1126	S5E	S5E	11.00	3.30	1.15
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S

SCREW, Back

Scr—2642	Ardmore	S5E	S5E	.30	.25	.20
Scr—2646	Bachelor	S5A	S5D	.30	.25	.20
Scr—2650	Dunbar	S5C	S1A	.30	.25	.20
Scr—2654	Manor	S5B	S5B	.30	.25	.20
Scr—2658	Pittsfield	S4B-S5G	S4B	.30	.25	.20

SCREW, Bell Bracket, Used as movement holder screw

Scr—2710	All	S5		.30	.25	.20
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SCREW, Stem Bracket

Order Screw, Case, Scr—2786

SCREW, Bridge

Scr—2718	Pittsfield	S4B-S5G	S1	.30	.25	.20
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SCREW, Case, Used as stem bracket screw

Scr—2786	Dunbar, Manor		66L	.30	.25	.20
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SCREW, Foot

Scr—2834	Pittsfield	S4B-S5G	S1C	.30	.25	.20
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SCREW, Gong

Scr—2846	Pittsfield	S5G	69D	.30	.25	.20
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SCREW, Gong, Long

Scr—2866	Pittsfield	S5G	S5G	.30	.25	.20
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SCREW, Gong, Short

Scr—2870	Pittsfield	S5G	S5G	.30	.25	.20
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SCREW, Leg

Scr—2882	Logan	S5F	S2K	.30	.25	.20
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A helpful hint

Gaining Time 60 vs 50 Cycle Conversion Parts

A consistent gain of twelve minutes an hour in an electric clock shows that the clock, plugged in on 60 cycle 110 volt current, was designed for use on 50 cycle frequency. Changes in the movement will be required to change over to 60 cycle frequency. As Westclox has not made 50 cycle clocks for domestic use in recent years, there are few conversion parts available. One might write the factory, giving the name and model number of the clock. If parts are available, prices will be quoted.

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SCREW, Motor						
Scr—2886	Ardmore, Bachelor, Logan, Pittsfield		M1	\$.30	\$.25	\$.20
Scr—2890	Dunbar, Manor		M3	.30	.25	.20
SCREW, Movement						
Scr—2894	Bachelor, Dunbar, Manor		S1A	.30	.25	.20
SET, Alarm						
Set—3026	Bachelor, Logan, Pittsfield		S2E	.50	.35	.25
SET, Hand						
	Ardmore Order Turn, Center, Tur—3698					
	Bachelor Order Turn, Center, Tur—3702					
	Dunbar Order Knob, Set, Kno—1954					
	Logan Order Turn, Center, Tur—3702					
	Manor Order Knob, Set, Kno—1962					
	Pittsfield Order Turn, Center, Tur—3702					
SHAFT, Alarm Set						
Sha—3074	Bachelor, Logan, Pittsfield		S5	.50	.35	.25
SIGNAL						
Sig—3150	Ardmore	S5E	S5E	1.00	.50	.35
Sig—3138	Bachelor, Dunbar, Logan		S5F	1.00	.50	.35
Sig—3146	Manor	S5B	S5B	1.00	.50	.35
Sig—3158	Pittsfield	S5G	S5G	1.00	.50	.35
SIGNAL, Luminous Dial Clock						
Sig—3166	Logan	S5F	S5F	1.00	.50	.35
SLEEVE, Stem						
Sle—3174	Dunbar, Manor		S2	.30	.25	.20
SPACER, Bezel						
Spa—3194	Pittsfield	S4B-S5G	S4B	.50	.35	.25
SPACER, Hexagon, Gong						
Spa—3198	Pittsfield	S5G	S5G	.30	.25	.20
SPAGHETTI (Insulating Tubing)						
Spa—3226	Ardmore	S5E	S4B	.50	.35	.25
Spa—3230	Bachelor, Dunbar, Logan, Pittsfield		S2C	.50	.35	.25
Spa—3234	Manor	S5B	S2B	.50	.35	.25
Spa—3242	Pittsfield	S5G	S4	.50	.35	.25
SPRING, Bezel						
Spr—3258	Pittsfield	S4B-S5G	S4B	.30	.25	.20
SPRING, Trip Staff, Friction						
Spr—3390	Bachelor, Logan, Pittsfield		S2D	.30	.25	.20
SPRING, Stem						
Spr—3398	Dunbar, Manor		S2	.30	.25	.20

A helpful hint

Factory made vs Handmade Parts

A watchmaker is trained to turn out parts on his lathe and to make most any material he may need to service a clock. He can do this in an emergency but it is more economical to install new factory made parts as a study of the prices quoted in this catalog will readily show.

It's more economical to buy a dozen of an item than one. On most items, the busy man at the bench is eventually going to need the other eleven.

Illustrations on pages 67 & 70

Series 5—Electric Clocks

Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
STAFF, Switch						
Sta—3502	Bachelor, Logan, Pittsfield		S5	\$.50	\$.40	\$.25
STAFF, Trip						
Sta—3542	Bachelor, Logan, Pittsfield		S5	.50	.35	.25
STEM						
Ste—3566	Dunbar	S5C	S5C	.50	.40	.25
Ste—3570	Manor	S5B	S5B	.50	.40	.25
STUD, Signal						
Stu—3626	Ardmore, Bachelor, Dunbar, Logan, Pittsfield		S5F	.30	.25	.20
Stu—3630	Manor	S5B	S5B	.30	.25	.20

T

TUBING, Insulating *Order Spaghetti* TURN, Center (Hand Set)

Tur—3698	Ardmore	S5E	S5E	1.00	.50	.35
Tur—3702	Bachelor, Logan, Pittsfield Dunbar <i>Order Knob, Set, Kno—1954</i> Manor <i>Order Knob, Set, Kno—1962</i>		S5A	.50	.35	.25

W

WASHER, Indicator Dial

Was—3750	Bachelor, Logan, Pittsfield		S2D	.30	.25	.20
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WASHER, Movement Holder

Was—3770	All		S5	.30	.25	.20
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WASHER, Indicator

Was—3782	Bachelor, Logan, Pittsfield		S2D	.30	.25	.20
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WASHER, Spacer

Was—3854	Ardmore, Bachelor, Dunbar, Manor, Pittsfield		S5	.30	.25	.20
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WASHER, Trip Staff, Thrust

Was—3890	Bachelor, Logan, Pittsfield		S2D	.30	.25	.20
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WASHER, Thrust

Was—3898	Ardmore, Bachelor, Dunbar, Manor, Pittsfield		S1	.30	.25	.20
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WASHER, Center Wheel, Steel

Was—3910	Dunbar, Manor		S2	.30	.25	.20
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WASHER, Reduction Wheel

Was—3922	All		S2	.30	.25	.20
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WHEEL, Bakelite

Whe—3958	All		S5	1.35	.50	.35
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Order by stock number, name of clock and name of part.

A helpful hint

How to Test M2 & M3 Series Coils

After making sure that the cord and plug of the clock will transmit current, the next step is to check the coil. The coil, which is constructed of fine wire of hair-like thinness—wound on a spool—sometimes burns out or has an interrupted circuit. The coil can be replaced easily.

A defective coil may show up in different ways—a lead may be pulled out or a charred cover may indicate that it is shorted. However, to determine definitely it may be necessary to test as follows:

After one is sure the cord is all right, connect to power source, lay a screwdriver or light steel part on magnet bracket or steel plate directly over coil, and if coil is functioning, the steel will vibrate or at least will be magnetically attracted. If this procedure does not locate the trouble try a new coil.

When it is established that the coil is causing the trouble, removal is very simple. Simply force the insulating tubing down off the joint. If it should catch in the wire under the tubing, and refuse to slide down, cut it off and remove coil from cord. In cases where

(Continued on page 75)

Illustrations on pages 67 & 70

Series 5—Electric Clocks

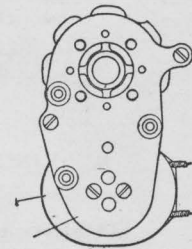
Ardmore—Bachelor—Dunbar—Logan—Manor—Pittsfield

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
WHEEL, Center						
Whe—4082	Ardmore, Bachelor, Logan, Pittsfield		S5	\$1.85	\$.55	\$.35
Whe—4090	Dunbar	S5C	S5C	1.85	.55	.35
Whe—4094	Manor	S5B	S5B	1.85	.55	.35
WHEEL, Fifth						
Whe—4186		All	S5	1.85	.55	.35
WHEEL, Fourth						
Whe—4226		All	S5	1.50	.50	.35
WHEEL, Hour						
Whe—4282	Ardmore, Bachelor, Dunbar, Logan, Pittsfield		S5	.70	.45	.30
Whe—4290	Manor	S5B	S5B	.70	.45	.30
WHEEL, Seconds						
Whe—4414	Ardmore, Bachelor, Dunbar, Logan, Pittsfield		S5	.70	.45	.30
Whe—4418	Manor	S5B	S5B	.70	.45	.30
WHEEL, Sixth						
Whe—4458		All	S5	1.00	.50	.35
WHEEL, Trip						
Whe—4538	Bachelor, Logan, Pittsfield		S4B	.70	.45	.30

(Continued from page 74)
this tubing is destroyed in removing, regular electrician's rubber tape will replace it with safety for this gives perfect insulation.



Illustrations on pages 67 & 70

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
BACK						
Bac—0030	Bantam	S7E	S7E	\$1.85	\$.55	\$.35
Bac—0034	Barry (Black Clock)	S7	S7	1.85	.55	.35
Bac—0038	Barry (Ivory Clock)	S7D	S7D	1.85	.55	.35
Bac—0042	Belfast	S7A	S7A	2.60	.80	.40
Bac—0050	Greenwich	S7G	S7G	1.85	.55	.35

If a clock is beyond repair, point out why and then reach for a new Westclox.—It's time to make a sale.

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

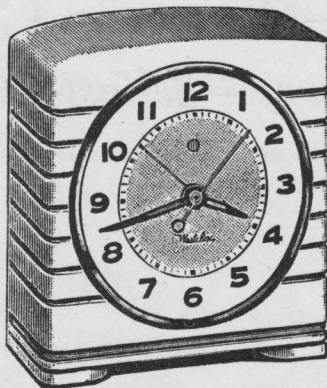
Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

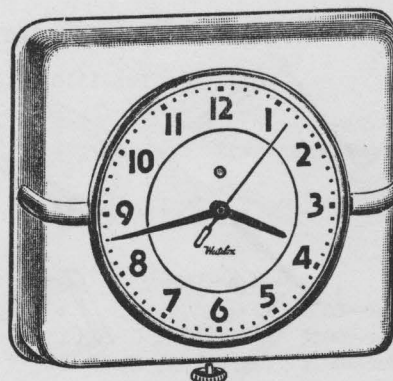
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
BELL						
	Bantam Order Gong, Gon—1314					
	Barry Order Gong	S7-S7D				
	Greenwich Order Gong, Gon—1326					
BEZEL						
Bez—0210	Barry (Black Clock)	S7	S7	\$2.40	\$.75	\$.40
Bez—0214	Barry (Ivory Clock)	S7D	S7C	2.40	.75	.40
Bez—0218	Belfast	S7A	S7A	3.00	.90	.40
Bez—0226	Greenwich	S7G	S7G	4.00	1.20	.45
BUSHING, Cord						
Bus—0402	Barry	S7-S7D	S2H	.50	.40	.25
Bus—0406	Belfast	S7A	S7A	.50	.40	.25
BUSHING, Cord Clamp with Insert						
Bus—0418	Greenwich	S7G	S7E	.50	.40	.25
BUSHING, Rubber						
Bus—0426	Barry	S7-S7D	69	.30	.25	.20
C						
CASE						
Cas—0514	Bantam	S7E	S7E	6.00	1.80	.65
Cas—0518	Barry (Black Clock)	S7	S7	9.00	2.65	1.00
Cas—0522	Barry (Ivory Clock)	S7D	S7D	9.00	2.65	1.00
	Belfast Specify Color	S7A	S7A	9.00	2.65	1.00
	Cas—0523 Ivory; Cas—0524 Red; Cas—0525 Green; Cas—0526 White					
Cas—0546	Greenwich	S7G	S7G	25.00	6.50	2.25

Four Series S7 Electric Clocks

THE four electric clocks shown on these facing pages belong to the S7 Series as many of the movement parts are interchangeable. This is shown by both the "stock number" and "part used" number.



Barry, S7 Black;
S7D Ivory



Belfast, S7A

On these models the individual name of the clock is stamped on the back of the case.

Illustrations on pages 77 & 80

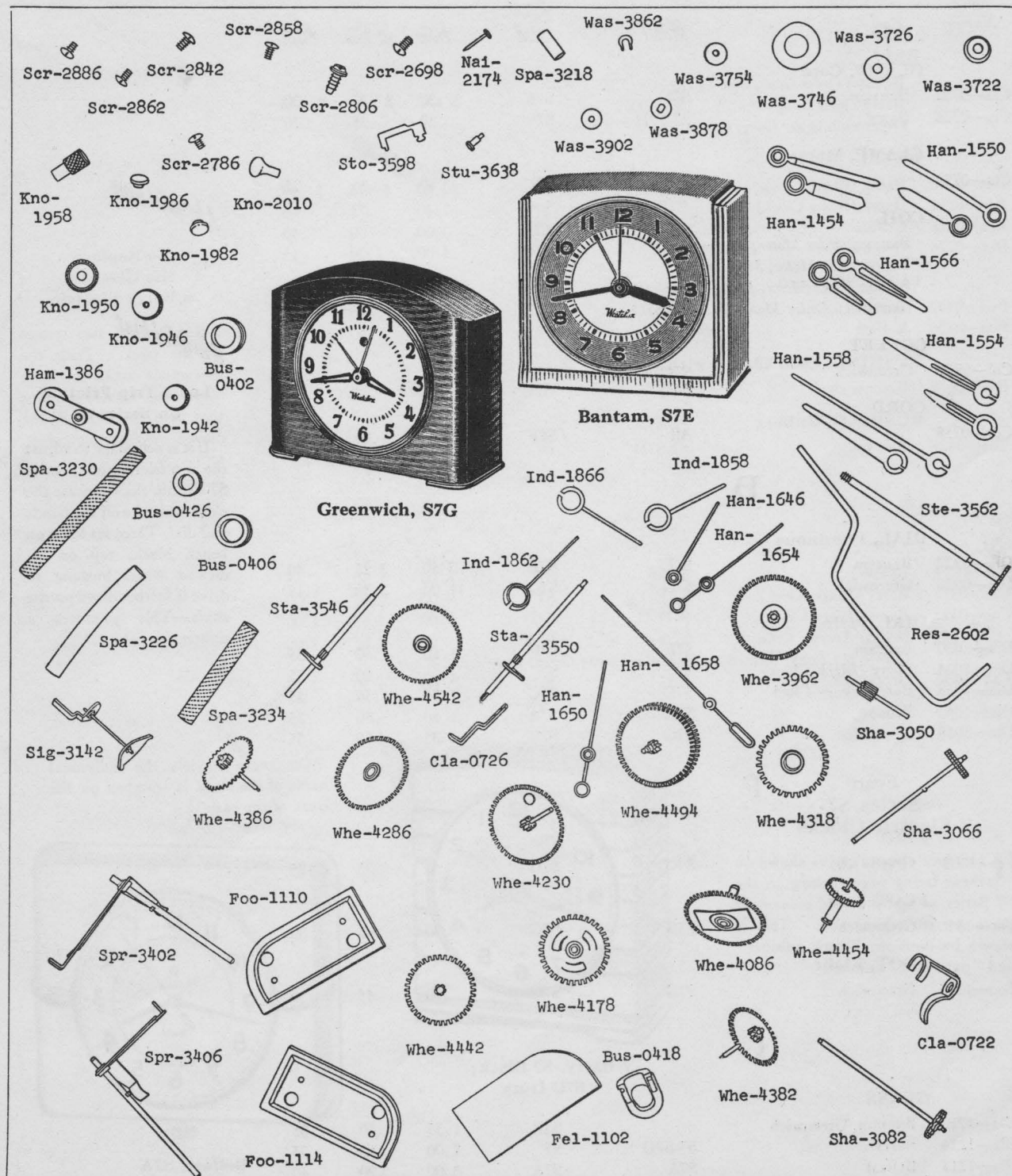
A helpful hint

To Replace the Glass in a Barry Electric

Remove the two screws on the back. Push the movement out of the front of the case. Loosen the clips that hold the bezel to the movement, insert new glass, refit the bezel, put the movement back in the case, replace the back, washers and screws.

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich



Illustrations are one-fourth actual size

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
CLAMP, Cord						
Cla—0722	Bantam	S7E	S7E	\$.30	\$.25	\$.20
Cla—0726	Barry	S7-S7D	S7	.30	.25	.20
CLAMP, Motor						
Cla—0734		All	S7	.50	.35	.25
COIL						
Bantam Order Motor, Mot—2134						
Barry Order Motor, Mot—2138						
Belfast Order Motor, Mot—2142						
Greenwich Order Motor, Mot—2139						
COLLET						
Col—0751	Greenwich	S7G	S7E	.30	.25	.20
CORD						
Cor—0758		All	S5F	4.65	1.40	.50
D						
DIAL, Luminous						
Dia—0922	Bantam	S7E	S7E	7.50	2.25	.80
Dia—0926	Greenwich	S7G	S7G	11.00	3.30	1.15
DIAL, Plain						
Dia—1030	Bantam	S7E	S7E	1.50	.50	.35
Dia—1034	Barry (Black Clock)	S7	S7	1.35	.50	.35
Dia—1038	Barry (Ivory Clock)	S7D	S7C	1.35	.50	.35
Dia—1042	Belfast	S7A	S7A	1.50	.50	.35
Dia—1050	Greenwich	S7G	S7G	1.35	.50	.35
F						
FELT						
Fel—1102	Greenwich	S7G	S7G	.50	.35	.25
FOOT, Left						
Foo—1110	Greenwich	S7G	S7G	.70	.45	.30
FOOT, Right						
Foo—1114	Greenwich	S7G	S7G	.70	.45	.30
G						
GLASS						
Gla—1210	Bantam, Greenwich		S7E	1.35	.50	.35
Gla—1214	Barry	S7-S7D	S7	2.00	.65	.35
Gla—1218	Belfast	S7A	S7A	3.00	.90	.40

A helpful hint

Loose Trip Friction on Series S7

If it is necessary to adjust the trip friction on a Series S7 electric clock, uncase the clock and take off the hands and dial. Place set knob on bench block, tap on indicator wheel bushing to drive it farther down on the shaft.—This produces a tighter friction.

Illustrations on pages 77 & 80

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
GONG						
Gon—1314	Bantam	S7E	S7E	\$4.00	\$1.20	\$.45
Gon—1318	Barry (Black Clock)	S7	S7	2.40	.75	.40
Gon—1322	Barry (Ivory Clock)	S7D	S7D	2.40	.75	.40
Gon—1326	Greenwich	S7G	S7G	5.00	1.50	.55

H

HAMMER, Rotary

Ham—1386	Barry	S7-S7D	S7	1.00	.50	.35
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HANDS, Luminous (Pair Hour & Minute)

Han—1454	Bantam	S7E	S7E	2.50	.75	.40
Han—1458	Greenwich	S7G	S7G	3.35	1.00	.40

HANDS, Plain (Pair Hour & Minute)

Han—1550	Bantam	S7E	S7E	.60	.45	.30
Han—1554	Barry	S7-S7D	S7	.60	.45	.30
Han—1558	Belfast	S7A	S7A	.50	.35	.25
Han—1566	Greenwich	S7G	S7G	.60	.45	.30

HAND, Seconds (Sweep)

Han—1646	Bantam, Greenwich		S7E	.50	.35	.25
Han—1650	Barry (Black Clock)	S7	S7	.50	.35	.25
Han—1654	Barry (Ivory Clock)	S7D	S7C	.50	.35	.25
Han—1658	Belfast	S7A	S7A	.50	.35	.25

I

INDICATOR (Alarm Hand)

Ind—1858	Bantam, Greenwich		S7E	.50	.35	.25
Ind—1862	Barry (Black Clock)	S7	S7	.50	.35	.25
Ind—1866	Barry (Ivory Clock)	S7D	S7C	.50	.35	.25

K

KNOB, Set (Hand Set)

Bantam Order Turn, Center, Tur—3690

Kno—1942	Barry (Black Clock)	S7	S7	.50	.35	.25
Kno—1946	Barry (Ivory Clock)	S7D	S7C	.50	.35	.25
Kno—1950	Belfast	S7A	S7A	.50	.35	.25
Kno—1958	Greenwich	S7G	S7G	.50	.35	.25

KNOB, Switch (Alarm Shut-off)

Kno—1982	Bantam	S7E	S5J	.30	.25	.20
Kno—1986	Barry (Black Clock)	S7	S7	.30	.25	.20
Kno—1982	Barry (Ivory Clock)	S7D	S5J	.30	.25	.20
Kno—2010	Greenwich	S7G	S7G	.50	.35	.25

A helpful hint

When Needing Coils and Motors

Coils are not detachable from motors in Bantam, Barry, Belfast, Greenwich, Melody and Orb. Order complete motor units as listed under "Motors". Coils (only) may be ordered for clocks in the S5 and S6 series, as shown in this catalog.

A helpful hint

Removable Motors

On Bantam and Greenwich the motor is removed by releasing a spring clip on the inside of the back plate. On Barry, Belfast, Melody and Orb the motor is attached to the plate. Replacement parts are available so repairs can easily be made on any of these models

Illustrations on pages 77 & 80

Series 7—Electric Clocks

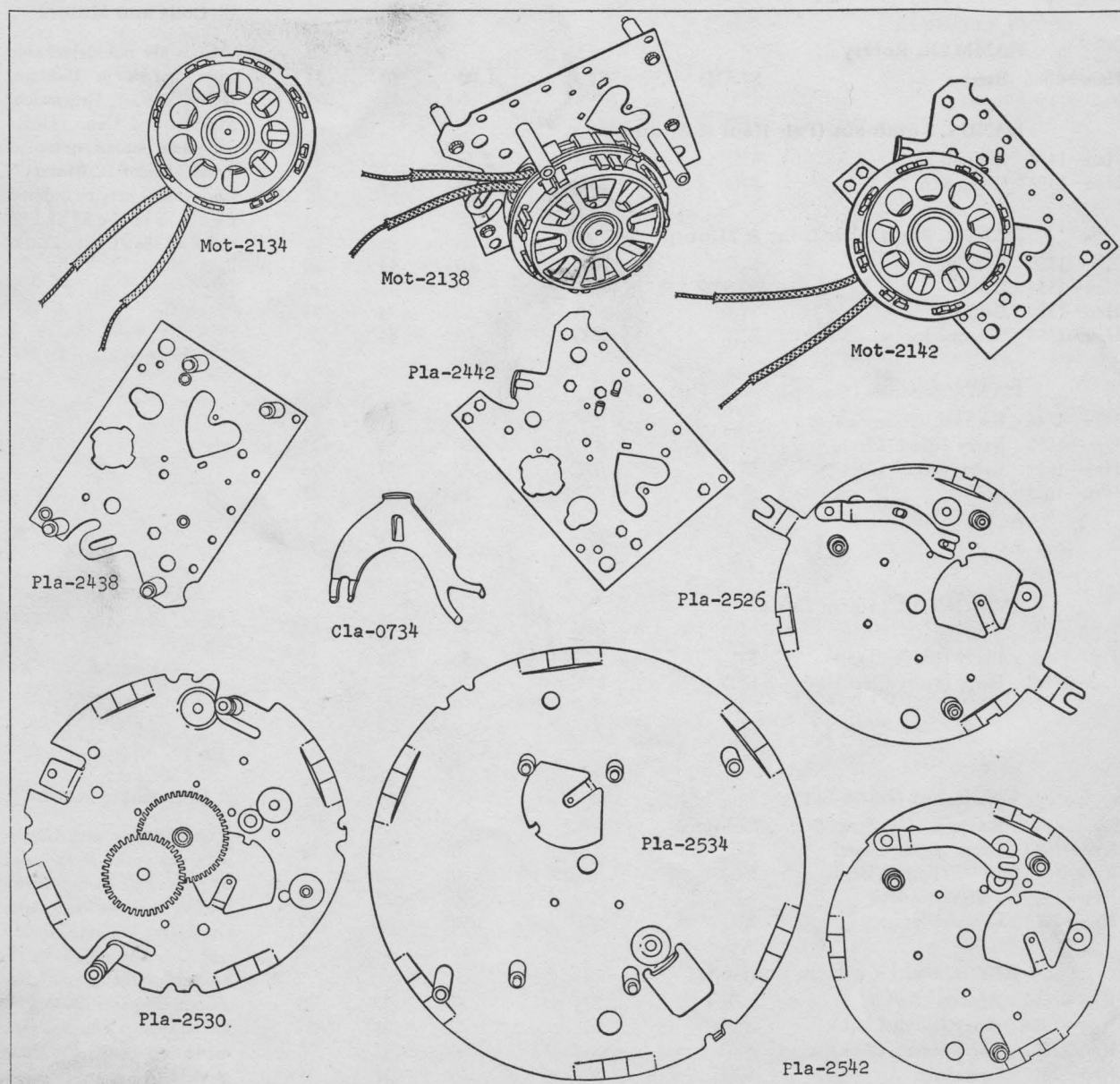
Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Each
M				
MOTOR				
Mot—2134	Bantam	S7E	M4F	\$1.00
Mot—2138	Barry	S7-S7D	M4B	1.00
Mot—2142	Belfast Old Style	S7A	M4C O. S.	1.00
Mot—2143	Belfast New Style	S7A	M4C N. S.	1.00
Mot—2139	Greenwich	S7G		1.00

One may not get rich repairing alarm clocks but the specialist makes a comfortable living.



Illustrations are one-fourth actual size

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

<i>Stock Number</i>	<i>Part</i>	<i>Model</i>	<i>Part Used</i>	<i>Doz.</i>	<i>¼ Doz.</i>	<i>Each</i>
N						
NAIL						
Nai—2174	Greenwich	S7G	S7G	\$.30	\$.25	\$.20
P						
PLATE, Back						
	Bantam <i>Order Gong, Gon—1314</i>					
Pla—2438	Barry	S7-S7D	S7	1.00	.50	.35
Pla—2442	Belfast	S7A	S7A	.60	.45	.30
	Greenwich <i>Order Gong, Gon—1326</i>					
PLATE, Front						
Pla—2526	Bantam	S7E	S7E	2.40	.75	.40
Pla—2530	Barry	S7-S7D	S7	2.00	.65	.35
Pla—2534	Belfast	S7A	S7A	2.60	.80	.40
Pla—2542	Greenwich	S7G	S7G	2.60	.80	.40
R						
RESET, Signal						
Res—2602	Belfast	S7A	S7A	.30	.25	.20
S						
SCREW, Base						
Scr—2698	Belfast	S7A	S6	.30	.25	.20
SCREW, Case						
Scr—2786	Bantam	<i>Used as cord clamp screw</i>	66L	.30	.25	.20
Scr—2806	Bantam	S7E	S7E	.30	.25	.20
SCREW, Cord Clamp						
	Bantam <i>Order Screw, Case, Scr—2786</i>					
SCREW, Gong						
Scr—2858	Bantam, Greenwich		S6	.30	.25	.20
Scr—2842	Barry	S7-S7D	48E	.30	.25	.20
Scr—2862	Barry (Ivory Clock)	S7D	S7C	.30	.25	.20
SCREW, Motor						
Scr—2886		All	M1	.30	.25	.20
SET, Alarm						
	Bantam <i>Order Turn, Center, Tur—3690</i>					

A helpful hint

How to Adjust Alarm on Bantam

The alarm on the Bantam can be adjusted by bending the gong at the hammer position. Do not bend too far. If hammer strikes gong too hard it has a tendency to make the clock run slow when alarm is ringing.

Prices quoted are for quantities specified. Parts are not assorted for quantity price.

Illustrations on pages 77 & 80

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

		Price to Retailers				
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
SET, Hand						
	Bantam Order Turn, Center, Tur—3690					
	Barry Order Knob, Set		S7-S7D			
	Belfast Order Knob, Set, Kno—1950					
	Greenwich Order Knob, Set, Kno—1958					
SHAFT, Hammer						
Sha—3050	Barry	S7-S7D	S7	\$.50	\$.35	\$.25
SHAFT, Set						
Sha—3066	Bantam	S7E	S7E	.50	.40	.25
SHAFT, Hand Set						
Sha—3082	Barry, Greenwich		S7	.50	.35	.25
SIGNAL						
Sig—3142	Barry, Belfast, Greenwich Plain Dial Clock		S7	1.00	.50	.35
SIGNAL, Luminous Dial Clock						
Sig—3162	Greenwich	S7G	S7G	1.00	.50	.35
SPACER, Stem						
Spa—3218	Belfast	S7A	S7A	.30	.25	.20
SPAGHETTI (Insulating Tubing)						
Spa—3226	Bantam	S7E	S4B	.50	.35	.25
Spa—3230	Barry, Belfast		S2C	.50	.35	.25
Spa—3234	Greenwich	S7G	S2B	.50	.35	.25
SPRING, Switch						
Spr—3402	Bantam, Greenwich		S7E	.60	.45	.30
Spr—3406	Barry	S7-S7D	S7	.50	.40	.25
STAFF, Trip						
Sta—3546	Bantam	S7E	S7E	.50	.35	.25
Sta—3550	Barry, Greenwich		S7	.50	.35	.25
STEM						
Ste—3562	Belfast	S7A	S7A	.50	.40	.25
STOP, Signal Reset						
Sto—3598	Belfast	S7A	S7A	.30	.25	.20
STUD, Set Wheel						
Stu—3638	Bantam, Barry, Greenwich		S7	.30	.25	.20

T

TUBING, Insulating (Order Spaghetti)

Electrician's tape is a good substitute for insulating tubing just in case one is out of spaghetti. Oh! Yes, spaghetti is listed on this page.—And for sale.

A helpful hint

To Remove Sets on Barry

The sets on the Barry are staked on. These sets have the hole all the way through for easy removal. Clock hand removing pliers can be used. Another method is to grasp the shaft with a pair of pliers then by using the jams of the pliers as an anvil, drive the sets off with a punch and hammer.

A helpful hint

Accurate Time Only On Controlled Current

The master clock in the power house regulates the electric clocks in the home. Unless the "power" is controlled the clocks will not keep time. A Westclox to keep time, must be connected to controlled current of the cycle specified on the back of the clock.

Illustrations on pages 77 & 80

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

				Price to Retailers		
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
TURN, Center (Hand Set)						
Tur—3690	Bantam	S7E	66AD	\$.50	\$.35	\$.25
	Barry Order Knob, Set,	S7-S7D				
	Belfast Order Knob, Set, Kno—1950					
	Greenwich Order Knob, Set, Kno—1958					

W

WASHER, Casing						
Was—3722	Barry (Black Clock)	S7	S7	.30	.25	.20
Was—3726	Barry (Ivory Clock)	S7D	S7C	.30	.25	.20
WASHER, Dial						
Was—3746	Bantam, Barry, Greenwich		S7	.30	.25	.20
WASHER, Seconds Hand, Friction						
Was—3754		All	S7	.30	.25	.20
WASHER, Stem, Lock						
Was—3862	Belfast	S7A	S7A	.30	.25	.20
WASHER, Trip Staff, Round						
Was—3878	Bantam, Barry, Greenwich		66J	.30	.25	.20
WASHER, Thrust						
Was—3902		All	S7	.30	.25	.20
WHEEL, Bakelite						
Whe—3962		All	S7	.70	.45	.30
WHEEL, Center						
Whe—4086		All	S7	1.50	.50	.35
WHEEL, Indicator Drive						
Whe—4178	Bantam, Barry, Greenwich		S7	.50	.40	.25
WHEEL, Fourth						
Whe—4230		All	S7	.70	.45	.30
WHEEL, Hour						
Whe—4286		All	S7	.70	.45	.30
WHEEL, Alarm Indicator						
Whe—4318	Bantam, Barry, Greenwich		S7	.50	.40	.25
WHEEL, Motion						
Whe—4382	Bantam, Barry, Greenwich		S7	.70	.45	.30
Whe—4386	Belfast	S7A	S7A	.50	.40	.25
WHEEL, Set						
Whe—4442	Bantam, Barry, Greenwich		S7	.50	.40	.25

A helpful hint

Cord and Plug Failures

Whenever a Westclox electric is returned because of failure to perform, first examine the cord and plug to make sure that each will transmit current. Inspect the cord for broken strands of wire and loose connections. Then be sure the prongs of the plug make a good contact in the wall outlet.

All Westclox cords are fastened to the movements with a clamp, a clamp cord bushing attached to the back or are knotted just inside the case. This is to take the strain off the inside connections.

Model S7E (Bantam) has a clamp cord bushing which consists of two pieces. To remove bushing compress with pliers, and pull bushing out of back. To insert, reverse procedure.

If for any reason a longer cord is needed, use a new one which can be purchased in an electric shop.

Reducing the length of the cord is no trick. Cut at the coil end to save the plug.

Illustrations on pages 77 & 80

Series 7—Electric Clocks

Bantam—Barry—Belfast—Greenwich

Where the word "All" appears under the heading, "Model", the part is used on all of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
WHEEL, Shift						
Whe—4454	Bantam, Barry, Greenwich		S7	\$.70	\$.45	\$.30
WHEEL, Third						
Whe—4494	All except latest Greenwich		S7	.50	.40	.25
Whe—4495	Latest Greenwich	S7G	S7E	.50	.40	.25
WHEEL, Trip						
Whe—4542	Bantam, Barry, Greenwich		S7	.70	.45	.30

Illustrations on pages 77 & 80

There was a time when blacksmiths worked on automobiles and tinkers repaired clocks. There still are blacksmiths and tinkers but most of the repair business for both automobiles and clocks has passed into the hands of the specialists.

Series 8—Electric Wall Clocks

Melody—Orb

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
B						
BACK						
Bac—0062	Melody	S8B	S8B	\$3.00	\$.90	\$.40
Bac—0070	Orb	S8	S8	2.60	.80	.40
BEZEL						
Bez—0234	Orb	S8	S8	2.60	.80	.40
BUSHING, Cord						
Bus—0406	Melody	S8B	S7A	.50	.40	.25
Bus—0414	Orb	S8	S8	.50	.40	.25
BUSHING, Rubber						
Bus—0430	Melody	S8B	S1A	.30	.25	.20
C						
CASE						
Cas—0566	Melody	S8B	S8B	15.00	4.50	1.60
	Orb Specify Color	S8	S8	4.00	1.20	.45
Cas—0586 Ivory; Cas—0590 Red; Cas—0594 White; Cas—0598 Yellow						

COIL

Melody Order Motor, Mot—2146
Orb Order Motor, Mot—2146

Illustrations on page 87

A helpful hint

In Case of "Back Lash" On S8 Series

Should there be an excessive amount of "back lash" in a worm, check the back lash spring to see if it is in the proper position. The spring should rest on top of the fourth wheel shaft in the groove. It is intended to force the worm against the center wheel, reducing "back lash".

Series 8—Electric Wall Clocks

Melody—Orb

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
CORD						
Cor—0762	Melody	S8B	S8B	\$4.65	\$1.40	\$.50
Cor—0758	Orb	S8	S5F	4.65	1.40	.50

D

DIAL

Melody Order Case, Cas—0566						
Dia—1074	Orb	S8	S8	2.00	.65	.35

G

GLASS

Gla—1246	Orb	S8	S8	2.60	.80	.40
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H

HANDS (Pair Hour & Minute)

Han—1578	Melody	S8B	S8B	1.85	.55	.35
Han—1594	Orb	S8	S8	.60	.45	.30

HAND, Seconds (Sweep)

Han—1674	Melody	S8B	S8B	.70	.45	.30
Han—1686	Orb	S8	S8	.50	.35	.25

I

INSULATOR, Cord

Ins—1863	Melody	S8B	S8B	.50	.40	.25
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INSULATOR, Splice

Ins—1870	Melody	S8B	S8B	.50	.35	.25
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K

KNOB, Set (Hand Set)

Melody Order Hands, Han—1578						
Kno—1950	Orb	S8	S7A	.50	.35	.25

M

MOTOR

Mot—2146		Both	M4E			1.00
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A helpful hint

When an Electric Clock Stops

First check all the electric connections to make sure power is flowing into the movement. Then test the coil to make sure it is not burned out. Inspect the movement to see if it needs cleaning and relubricating.—By this time one will have found the trouble and be well on the way to overcoming it.

Illustrations on page 87

Series 8—Electric Wall Clocks

Melody—Orb

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

			Price to Retailers			
Stock Number	Part	Model	Part Used	Doz.	¼ Doz.	Each
P						
PINION, Seconds Drive						
Pin—2294		Both	S8	\$.30	\$.25	\$.20
Plate, Back Order Motor, Mot—2146						
PLATE, Front						
Pla—2546	Melody	S8B	S8B	2.40	.75	.40
Pla—2558	Orb	S8	S8	4.65	1.40	.50
S						
SCREW, Base						
Scr—2698	Orb	S8	S6	.30	.25	.20
SCREW, Case						
Scr—2806	Melody	S8B	S7E	.30	.25	.20
Scr—2807	" Latest	S8B	S8B	.30	.25	.20
SCREW, Motor						
Scr—2886		Both	M1	.30	.25	.20
SET, Hand						
Melody Order Hands, Han— 1578						
Orb Order Knob, Set, Kno— 1950						
SPACER, Back						
Spa—3190	Melody	S8B	S8B	.50	.35	.25
SPAGHETTI (Insulating Tubing)						
Spa—3230	Orb	S8	S2C	.50	.35	.25
SPRING, Back Lash						
Spr—3318		Both	S8	.30	.25	.20

T

TUBING, Insulating Order Spaghetti for Orb, Spa—3230

W

WASHER, Movement Holder						
Was—3774	Melody	S8B	S4A	.30	.25	.20
WASHER, Hand Set Knob						
Was—3786	Melody	S8B	S7B	.30	.25	.20
WASHER, Spacer						
Was—3858	Orb	S8	S8	.30	.25	.20

A helpful hint

For Lubricating Gears

A mixture of graphite and oil is used for lubricating the worm drive gears on Melody and Orb.

A helpful hint

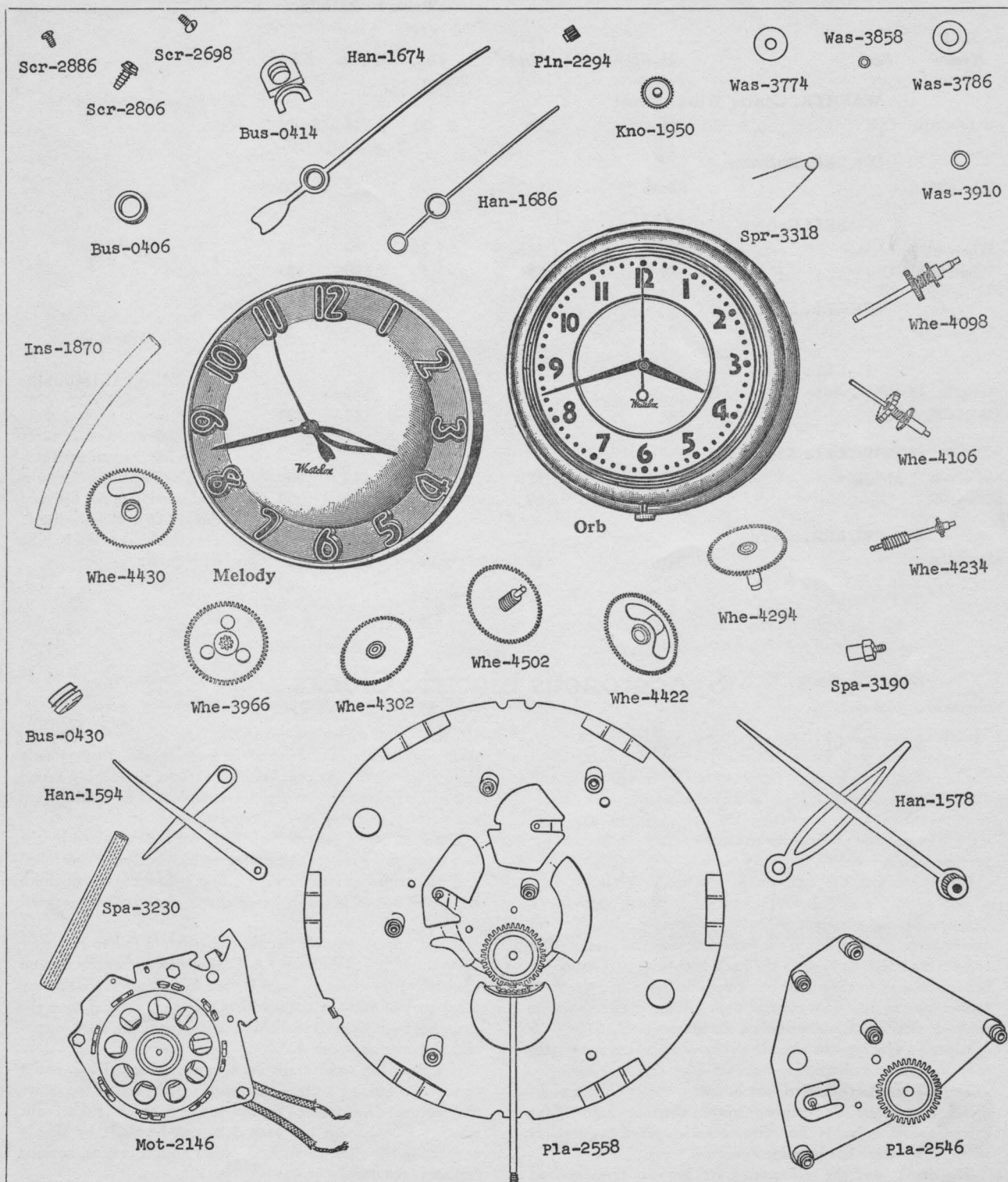
When Dirt Is An Enemy

When a distinct click is heard at regular intervals within an electric clock, it is fairly safe to say that dirt has become imbedded in the rotor pinion or the bakelite wheel. The remedy is obvious. Take movement out of case and remove dirt from these parts.

Illustrations on page 87

Series 8—Electric Wall Clocks

Melody—Orb



Illustrations are one-fourth actual size

Series 8—Electric Wall Clocks

Melody—Orb

Where the word "Both" appears under the heading, "Model", the part is used on both of the models listed above

Price to Retailers

Stock Number	Part	Model	Part Used	Doz.	1/4 Doz.	Each
WASHER, Center Wheel, Steel						
Was—3910	Orb	S8	S2	\$.30	\$.25	\$.20
WHEEL, Bakelite						
Whe—3966		Both	S8	.70	.45	.30
WHEEL, Center						
Whe—4098	Melody	S8B	S8B	1.50	.50	.35
Whe—4106	Orb	S8	S8	1.50	.50	.35
WHEEL, Fourth						
Whe—4234		Both	S8	1.35	.50	.35
WHEEL, Hour						
Whe—4294	Melody	S8B	S8B	.70	.45	.30
Whe—4302	Orb	S8	S8	.70	.45	.30
WHEEL, Seconds						
Whe—4422	Melody	S8B	S8B	.70	.45	.30
Whe—4430	Orb	S8	S8	.70	.45	.30
WHEEL, Third						
Whe—4502		Both	S8	.70	.45	.30

Regarding Automobile Clocks

Westclox manufactures clocks for the various automobile companies, but auto clock parts are not listed in this catalog. A price list of auto clock parts will be sent on request.

Illustrations on page 87

Synchronous Electric Clocks

THERE is a wide variety of Westclox electric clocks—alarms, time clocks, wall clocks for the home—and commercial wall clocks—all sturdily built. Westclox electrics are well-styled and are the means of putting additional clocks in homes—in permanent locations, thus permitting the spring-driven Big Ben, Baby Ben and other spring-driven alarms to answer the need for portable clocks—a clock for every need.

Before entering the final production stage, Westclox synchronous electric models are submitted to the Underwriter's Laboratories for examination and must comply with their requirements. This applies to the motor, the coil and cord, casing construction and marking on the back of the clock. The cord is firmly clamped to the motor or movement frame to protect its connections against any exterior pull. Accordingly, Westclox electrics carry the Underwriter's Laboratories label.

Westclox synchronous electric clocks will operate accurately only on regulated alternating current.

The construction of electric clocks differs vastly from spring-driven timepieces. The motor furnishes the motive power for driving the hands and is also instrumental in operating the alarm where this feature has been incorporated.

The motor is of the self-starting synchronous type, making

450 RPM and comprises essentially three elements: the coil, stator and rotor. The bearings are constructed to provide a large reservoir of lubricant, which has been thoroughly tested and will give long service without attention. The bearings will not wear out and need no replacement.

The accuracy of the speed of the motor is determined by the frequency of the alternating current, which is closely controlled and maintained at its source, resulting in timekeeping qualities heretofore not expected in spring-driven clocks of conventional design.

If, for any reason, an electric clock should fail to run after being connected to the proper A. C. power source, as specified on the back of the clock, no harm is done to the motor, coil, or any other part of the clock, regardless of the length of time the clock has been plugged in. This also applies if the clock is connected to the improper A. C.

If a clock has accidentally been connected to a D. C. outlet or an A. C. of higher voltage than specified, the coil of the motor may become damaged or "burned out". A check to determine whether any damage has been done can be made by simply connecting the clock to an A. C. outlet and, if it runs, nothing further is required.

Monitor Commercial Wall Clock



Price to Retailers

Stock Number	Westclox	Doz.	¼ Doz.	Each
Cas—0570	Case, Brown			\$1.40
Cas—0574	Case, Chrome			2.75
Cou—0770	Coupling	\$.40	\$.30	.25
Dia—1062	Dial, Plain			2.30
Fas—1086	Fastener, Glass	.40	.30	.25
Gas—1170	Gasket, Glass	.40	.30	.25
Gla—1234	Glass			.90
Han—1582	Hands, Plain (Pair Hour and Minute)	2.10	.65	.40
Han—1678	Hand, Seconds (Sweep)	1.40	.55	.35
Kno—1938	Knob, Reset	.50	.40	.25
Mot—2150	Motor			2.85
Mov—2170	Movement (Including Motor)			4.75
	This is a sealed unit. Component movement parts are not sold separately.			
Riv—2634	Rivet, Forked	.30	.25	.20
Scr—2818	Screw, Cord Clamp	.30	.25	.20
Scr—2822	Screw, Terminal Cover	.30	.25	.20
Scr—2830	Screw, Dial Mounting	.30	.25	.20
Sha—3058	Shaft, Reset	1.00	.50	.35
Wir—4554	Wire, Signal Set (Brass wire)	.30	.25	.20
Wir—4558	Wire, Signal Set (Chrome wire)	.30	.25	.20

Interchangeable Parts

THERE are many interchangeable parts in Westclox. In this catalog, parts are only numbered once. Where a part is used in several models it carries the same "stock number" and "used part" number.

Where a part is used only in one series it is not listed on this chart as the listing under the proper series classification gives one all the information needed. For

example: If a part is interchangeable only on various models of the 66 Series it is not listed here. If it is interchangeable on a 66 Series and also on, say, Big Ben it is listed.

A few parts are interchangeable between the spring-driven clocks and the electric clocks. Also between clocks and pocket watches. These parts are listed here.

<i>Stock Number</i>	<i>Name of Part</i>	<i>Part Used</i>	<i>Fits the Westclox Listed</i>
Bas—0150	Base	69C	Big Ben Chime 69C, Big Ben Loud 48G
Bus—0402	Bushing, Cord	S2H	Bachelor, Barry, Dunbar
Bus—0406	" "	S7A	Belfast, Melody
Bus—0426	Bushing, Rubber	69	Big Ben Chime, Big Ben Electric, Ardmore, Bachelor, Barry, Dunbar, Logan, Manor, Moonbeam, Oracle, Pittsfield
Cas—0614	Case (Front of case only)	69C	Big Ben Chime 69C, Big Ben Loud 48G
Cla—0706	Clamp, Base	S4D	Big Ben Chime 69C-D, Big Ben Loud 48E-G
Cla—0718	Clamp, Cord	S4	Big Ben Electric, Ardmore, Manor, Oracle, Switch Clock
Cor—0758	Cord	S5F	All electrics but Melody and Switch Clock
Dia—0846	Dial, Alarm Indicator	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Gla—1182	Glass	69	Big Ben Chime, Big Ben Loud 48E-G-H
Han—1406	Hands, Luminous	69	Big Ben Chime 69-NS-B-C, Big Ben Loud 48D-E-G
Han—1486	Hands, Plain	69	Big Ben Chime 69-NS-B-C, Big Ben Loud 48D-E-G
Han—1666	Hand, Seconds (Sweep)	S5F	Logan, Moonbeam
Ind—1854	Indicator (Alarm Hand)	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Ind—1834	Indicator, Alarm Hand (Plain Dial)	48G	Big Ben Loud 48G-H, Bellboy, Bingo
Kno—1974	Knob, Switch (Alarm Shut-off)	61C	Baby Ben 61L-N-R, Big Ben Chime 69-NS-C, Big Ben Loud all but 48H
Kno—1978	" " " " "	61P	Baby Ben 61P-S, Big Ben Chime 69B-D, Bachelor, Logan, Pittsfield
Kno—1986	" " " " "	S7	Big Ben Loud 48H, Barry S7
Lev—2054	Lever, Switch	S5	Bachelor, Logan, Moonbeam, Pittsfield
Nut—2194	Nut, Friction	Am2	All Baby Ben but 61V-W, all Big Ben Loud but 48G-H
Nut—2198	" "	72	Baby Ben 61V-W, Travalarm
Nut—2210	Nut, Movement Holder	S2B	Big Ben Chime 69C-D-F, Big Ben Electric, Oracle
Nut—2218	Nut, Lock	69	All Big Ben Chime but 69F, Travalarm
Nut—2222	Nut, Pillar	bb3	All Baby Ben but 61V-W, Ardmore, Bachelor, Dunbar, Logan, Manor, Moonbeam, Pittsfield
Nut—2226	" "	61V	Baby Ben 61V-W, Moonbeam, Switch Clock
Nut—2234	" "	BB3	Big Ben Chime, Switch Clock
Nut—2254	Nut, Trip Staff	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Pin—2310	Pinion, Alarm Set	S2D	Bachelor, Logan, Moonbeam, Pittsfield

Interchangeable Parts

<i>Stock Number</i>	<i>Name of Part</i>	<i>Part Used</i>	<i>Fits the Westclox Listed</i>
Pin—2330	Pinion, Shuck	Am2	Big Ben Chime, Big Ben Loud, Bellboy, Bingo, General, Raven, Shelby, Spur
Pin—2338	" "	7	Pocket Ben, Scotty
Scr—2642	Screw, Back	S5E	Big Ben Electric, Ardmore
Scr—2666	Screw, Balance	Am2	All Baby Ben but 61V-W, all Big Ben Chime but 69F, all Big Ben Loud but 48H, Travalarm
Scr—2670	" "	61V	Baby Ben 61V-W, Big Ben Chime 69F, Big Ben Loud 48H, Travalarm made after June 1949
Scr—2678	" "	6	Pocket Ben, Scotty
Scr—2694	Screw, Base	66J	Shelby, Big Ben Electric
Scr—2698	" "	S6	Belfast, Orb, Switch Clock
Scr—2710	Screw, Bell Bracket	S5	Baby Ben 61R-V, Big Ben Chime 69F, Big Ben Loud 48G-H, Ardmore, Bachelor, Dunbar, Logan, Manor, Moonbeam, Pittsfield
Scr—2714	Screw, Bridge	bB4	Baby Ben made before August 1948, all Big Ben Chime but 69F, Big Ben Electric
Scr—2718	" "	S1	Baby Ben 61R-S, Pittsfield
Scr—2722	" "	61V	All Baby Ben made after August 1948, Big Ben Chime 69F
Scr—2726	" "	BB3	All Big Ben Chime but 69F, all Big Ben Loud but 48H
Scr—2762	Screw, Case	S4D	Big Ben Chime 69C-D, Big Ben Loud 48E-G-H
Scr—2786	" "	66L	Big Ben Electric, Bantam, Dunbar, Manor, Oracle, Shelby, Spur, Switch Clock
Scr—2806	" "	S7E	Bantam, Melody
Scr—2838	Screw, Gong	61S	Baby Ben 61S-W, Moonbeam
Scr—2842	" "	48E	Big Ben Chime 69C, Big Ben Loud 48E-G-H, Barry, Switch Clock
Scr—2846	" "	69D	Big Ben Chime 69D-F, Pittsfield
Scr—2858	" "	S6	Big Ben Electric, Bantam, Greenwich
Scr—2886	Screw, Motor	M1	Big Ben Electric, Ardmore, Bachelor, Bantam, Barry, Belfast, Greenwich, Logan, Melody, Orb, Pittsfield
Scr—2890	" "	M3	Dunbar, Manor, Moonbeam
Scr—2894	Screw, Movement	S1A	Big Ben Chime 69C-D, Big Ben Loud 48E-G, Bachelor, Dunbar, Manor, Oracle
Scr—2898	Screw, Pillar	4Wa	All Big Ben Chime but 69F, Travalarm
Scr—2906	" "	6	Pocket Ben, Scotty
Set—3026	Set, Alarm	S2E	Bachelor, Logan, Moonbeam, Pittsfield
Sig—3150	Signal	S5E	Ardmore, Moonbeam Plain
Spa—3226	Spaghetti (Insulating Tubing)	S4B	Big Ben Electric, Ardmore, Bantam
Spa—3230	" " "	S2C	Bachelor, Barry, Belfast, Dunbar, Logan, Orb, Pittsfield
Spa—3234	" " "	S2B	Greenwich, Manor
Spr—3294	Spring, Hair	bB4	Baby Ben, Big Ben Chime
Spr—3306	" "	6	Travalarm, Pocket Ben, Scotty
Spr—3330	Spring, Main	6B	Pocket Ben, Scotty
Spr—3358	Spring, Center Seal	69	Big Ben Chime, Big Ben Loud 48D-E
Spr—3386	Spring, Trip Staff, Friction	71	Big Ben Electric, Travalarm

Interchangeable Parts

<i>Stock Number</i>	<i>Name of Part</i>	<i>Part Used</i>	<i>Fits the Westclox Listed</i>
Spr—3390	Spring, Trip Staff, Friction	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Stu—3626	Stud, Signal	S5F	Ardmore, Bachelor, Dunbar, Logan, Moonbeam, Pittsfield
Tur—3690	Turn, Center	66AD	General, Bantam
Was—3726	Washer, Casing	S7C	Barry, Moonbeam
Was—3734	Washer, Dial	4Wa	Pocket Ben, Scotty
Was—3750	Washer, Indicator Dial	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Was—3766	Washer, Movement Holder	S2B	Big Ben Electric, Moonbeam, Oracle
Was—3770	" " "	S5	Ardmore, Bachelor, Dunbar, Logan, Manor, Moonbeam, Pittsfield
Was—3782	Washer, Indicator	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Was—3838	Washer, Alarm Set, Lock	Am60	Baby Ben, All Big Ben Chime but 69F, Shelby, Travalarm
Was—3854	Washer, Spacer	S5	Ardmore, Bachelor, Dunbar, Manor, Pittsfield, Switch Clock
Was—3874	Washer, Trip Staff, Friction	48D	Big Ben Chime 69F, Big Ben Loud, all Series 66, Switch Clock
Was—3878	Washer, Trip Staff, Round	66J	Baby Ben, Big Ben Chime, Big Ben Loud, all Series 66, Travalarm, Big Ben Electric, Bantam, Barry, Greenwich, Switch Clock
Was—3886	Washer, Trip Staff, Small	Am2	Baby Ben, all Big Ben Chime but 69F, Big Ben Loud 48A-B-C-D-E, Shelby, Travalarm
Was—3890	Washer, Trip Staff, Thrust	S2D	Bachelor, Logan, Moonbeam, Pittsfield
Was—3910	Washer, Center Wheel, Steel	S2	Dunbar, Manor, Orb
Was—3918	Washer, Motion Wheel	Am2	All Big Ben Chime but 69F, Big Ben Loud 48H
Was—3922	Washer, Reduction Wheel	S2	All Series 5, Moonbeam
Wed—3930	Wedge, Hairspring	bB3	Baby Ben, Big Ben Chime
Wed—3934	" "	Am2	Big Ben Loud, all Series 66
Wed—3942	" "	7	Pocket Ben, Scotty
Whe—3954	Wheel, Bakelite	S6	Big Ben Electric, Oracle, Switch Clock
Whe—3958	" "	S5	All Series 5, Moonbeam
Whe—4082	Wheel, Center	S5	Ardmore, Bachelor, Logan, Moonbeam, Pittsfield
Whe—4162	Wheel, Time Escape	bB4	Baby Ben, Big Ben Chime
Whe—4182	Wheel, Fifth	S6	Big Ben Electric, Oracle, Switch Clock
Whe—4186	" "	S5	All Series 5, Moonbeam
Whe—4190	Wheel, Fourth	bB4	Baby Ben, Big Ben Chime
Whe—4254	Wheel, Hour	66	Big Ben Chime 69F, Big Ben Loud, Bellboy, Bingo, General, Raven, Spur
Whe—4266	" "	7	Pocket Ben, Scotty
Whe—4282	" "	S5	Ardmore, Bachelor, Dunbar, Logan, Moonbeam, Pittsfield
Whe—4414	Wheel, Seconds	S5	Ardmore, Bachelor, Dunbar, Logan, Moonbeam, Pittsfield
Whe—4458	Wheel, Sixth	S5	All Series 5, Moonbeam
Whe—4514	Wheel, Time Third	69	Baby Ben, Big Ben Chime
Whe—4522	Wheel, Trip	71	Baby Ben 61V-W, Travalarm
Whe—4530	" "	66	Big Ben Chime 69F, Big Ben Loud 48G-H, all Series 66
Whe—4538	" "	S4B	Bachelor, Logan, Moonbeam, Pittsfield
Whe—4550	Wheel, Main Wind	7	Pocket Ben, Scotty














Screws Used in Westclox













THROUGHOUT this catalog, illustrations of clock parts are one-fourth the actual size of the parts. —One-half the height; one-half the width.—Watch parts are shown in actual size.

Screws are small items but often needed. To better illustrate the screws and show their interchangeability,

all screws used in the Westclox listed in this catalog are shown in actual size on these pages.

The stock numbers run numerically; the parts alphabetically; the last column lists the Westclox the screws fit. There are 73 screws listed on these pages.

Stock Number	Illustration	Name of Screw	Used in Westclox Listed
Scr—2638		Screw, Back	General, Shelby
Scr—2642		" "	Big Ben Electric, Ardmore
Scr—2646		" "	Bachelor
Scr—2650		" "	Dunbar
Scr—2654		" "	Manor
Scr—2658		" "	Pittsfield
Scr—2662		" "	Switch Clock
Scr—2666		Screw, Balance	Baby Ben See note page 20, Big Ben Chime All but 69F, Big Ben Loud All but 48H, Travalarm See note page 25.
Scr—2670		" "	Baby Ben 61V-W, Big Ben Chime 69F, Big Ben Loud 48H, Travalarm
Scr—2674		" "	Bellboy, Bingo, General, Raven, Shelby, Spur
Scr—2678		" "	Pocket Ben, Scotty
Scr—2682		" "	Judge, LaSalle, Wrist Ben
Scr—2686		" "	Lance, Rajah














Stock Number	Illustration	Name of Screw	Used in Westclox Listed
Scr—2690		Screw, Base	General
Scr—2694		" "	Shelby, Big Ben Electric
Scr—2698		" "	Belfast, Orb, Switch Clock
Scr—2702		" "	Oracle
Scr—2706		Screw, Bracket	Oracle
Scr—2710		Screw Bell Bracket	Baby Ben 61R-V, Big Ben Chime 69F, Big Ben Loud 48G-H, Ardmore, Bachelor, Dunbar, Logan, Manor, Moonbeam, Pittsfield
Scr—2714		Screw, Bridge	Baby Ben (old), Big Ben Chime All but 69F, Big Ben Electric
Scr—2718		" "	Baby Ben 61R-S, Pittsfield
Scr—2722		" "	Baby Ben 61V-W, Big Ben Chime 69F
Scr—2726		" "	Big Ben Chime All but 69F, Big Ben Loud See note page 8.
Scr—2730		" "	Big Ben Loud 48H
Scr—2734		" "	Lance, Rajah

Screws Used in Westclox

Stock Number	Illustration	Name of Screw	Used in Westclox Listed
Scr—2738		Screw, Barrel Bridge	Judge, La Salle, Wrist Ben
Scr—2742		Screw, Ratchet Bridge	Judge, La Salle, Wrist Ben
Scr—2746		Screw, Case	Baby Ben 61R
Scr—2750		" "	Baby Ben 61S
Scr—2754		" "	Baby Ben 61V
Scr—2758		" "	Baby Ben 61W
Scr—2762		" "	Big Ben Chime 69C-D, Big Ben Loud
Scr—2766		" "	Big Ben Chime 69D-F
Scr—2770		" "	Big Ben Chime 69F
Scr—2774		" "	Big Ben Loud 48D-E
Scr—2778		" "	Bellboy, Bingo, Raven, Spur
Scr—2782		" "	General
Scr—2786		" "	Shelby, Spur, Big Ben Electric, Bantam, Dunbar, Manor, Oracle, Switch Clock
Scr—2790		" "	Travalarm black & walnut
Scr—2794		" "	Travalarm
Scr—2798		" "	Travalarm ivory

Stock Number	Illustration	Name of Screw	Used in Westclox Listed
Scr—2802		Screw, Case	Pocket Ben
Scr—2806		" "	Bantam
Scr—2807		" "	Melody
Scr—2810		" "	Moonbeam
Scr—2814		Screw, Case Clamp	Switch Clock
Scr—2826		Screw, Dial	Switch Clock
Scr—2834		Screw, Foot	Pittsfield
Scr—2838		Screw, Gong	Baby Ben 61S-W, Moonbeam
Scr—2842		" "	Big Ben Chime 69C, Big Ben Loud, Barry, Switch Clock
Scr—2846		" "	Big Ben Chime 69D-F, Pittsfield
Scr—2850		" "	Travalarm black
Scr—2854		" "	Travalarm ivory & walnut
Scr—2858		" "	Big Ben Electric, Bantam, Greenwich
Scr—2862		" "	Barry ivory
Scr—2866		Screw, Gong, Long	Pittsfield
Scr—2870		Screw, Gong, Short	Pittsfield

Screws Used in Westclox

Stock Number	Illustration	Name of Screw	Used in Westclox Listed	Stock Number	Illustration	Name of Screw	Used in Westclox Listed
Scr—2874		Screw, Movement Holder	Moonbeam	Scr—2902		Screw, Pillar	Bellboy, Bingo, General, Raven, Shelby, Spur
Scr—2878		Screw, Switch Knob, Set	Switch Clock	Scr—2906		" "	Pocket Ben, Scotty
Scr—2882		Screw, Leg	Logan	Scr—2910		" "	Pocket Ben
Scr—2886		Screw, Motor	Big Ben Electric, Ardmore, Bachelor, Bantam, Barry, Belfast, Greenwich, Logan, Melody, Orb, Pittsfield	Scr—2914		" "	Judge, La Salle, Wrist Ben
Scr—2890		" "	Dunbar, Manor, Moonbeam	Scr—2918		" "	Lance, Rajah
Scr—2894		Screw, Movement	Big Ben Chime 69C-D, Big Ben Loud 48E-G, Bachelor, Dunbar, Manor, Oracle	Scr—2922		Screw, Retainer	Moonbeam
Scr—2898		Screw, Pillar	Big Ben Chime All but 69F, Travalarm	Scr—2926		Screw, Shipper Lock	Pocket Ben
				Scr—2930		Screw, Shipper Lock	Scotty
				Scr—2934		Screw, Switch	General

Pride in Workmanship

THE factory workman or workwoman at his or her machine or bench takes pride in the work turned out. Westclox workers take a deep interest in producing timepieces that measure up to a high standard of quality.

The conscientious watchmaker at the bench in a retail store takes the same pride in work. Whether a man or a woman, he or she expects every repair job to be perfect in every respect.—To enhance the prestige of the store and the reputation of the one who did the work.

A good job, well done, builds good will and brings customers back for other services and goods.

To turn out a top notch job, a timepiece must be thoroughly cleaned, all worn parts replaced, reoiled, inspected, timed and tested. Even an alarm clock should be given a running test of several days to make sure all moving parts are working freely, that the clock is keeping satisfactory time and that the alarm functions correctly.

Electric clocks should be given a running test and, on alarm clocks, the alarm set to ring at a given time and then checked when the get up signal is sounded.

Repair work should be pleasant, it can be profitable but the greatest reward of all is that it makes the customers happy and builds good will and prestige for the store.

We at Westclox hope that on these pages you have found information that will prove valuable to you in servicing the injured Westclox that find their way to your bench.

Westclox