

**"D & W" AUTOMOBILE CARTRIDGE FUSES
INDICATING**



No. 2237



No. 2247

**Automobile Cartridge Fuses
15 AMPERES—25 VOLTS MAXIMUM**

List No.	Ampere Capacity	Length Inches	Diameter Tube	Package Net Wt.	Carton Quantity	Std. Pkg.	List Price Each
2228	3	1	3/8	15 oz.	100	100	\$0.20
2229	4	1	3/8	15 oz.	100	100	.20
2230	5	1	3/8	15 oz.	100	100	.20
2231	6	1	3/8	15 oz.	100	100	.20
2232	7	1	3/8	15 oz.	100	100	.20
2233	8	1	3/8	15 oz.	100	100	.20
2234	9	1	3/8	15 oz.	100	100	.20
2235	10	1	3/8	15 oz.	100	100	.20
2236	12	1	3/8	15 oz.	100	100	.20
2237	15	1	3/8	15 oz.	100	100	.20
2238	3	1 1/4	1/4	9 oz.	100	100	.20
2239	4	1 1/4	1/4	9 oz.	100	100	.20
2240	5	1 1/4	1/4	9 oz.	100	100	.20
2241	6	1 1/4	1/4	9 oz.	100	100	.20
2242	7	1 1/4	1/4	9 oz.	100	100	.20
2243	8	1 1/4	1/4	9 oz.	100	100	.20
2244	9	1 1/4	1/4	9 oz.	100	100	.20
2245	10	1 1/4	1/4	9 oz.	100	100	.20
2246	12	1 1/4	1/4	9 oz.	100	100	.20
2247	15	1 1/4	1/4	9 oz.	100	100	.20



No. 2255



No. 2280

**Automobile Cartridge Fuses
3-30 AMPERES—25 VOLTS MAXIMUM**

List No.	Ampere Capacity	Length Inches	Diameter Tube	Package Net Wt.	Carton Quantity	Std. Pkg.	List Price Each
2248	3	1 1/2	3/8	1 1/2 lbs.	100	100	\$0.20
2249	4	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2250	5	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2251	6	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2252	7	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2253	8	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2254	9	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2255	10	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2256	12	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2257	15	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2258	20	1 1/2	3/8	1 1/2 lbs.	100	100	.20
2268	3	2	1/2	4 lbs.	100	100	.27
2269	4	2	1/2	4 lbs.	100	100	.27
2270	5	2	1/2	4 lbs.	100	100	.27
2271	6	2	1/2	4 lbs.	100	100	.27
2272	7	2	1/2	4 lbs.	100	100	.27
2273	8	2	1/2	4 lbs.	100	100	.27
2274	9	2	1/2	4 lbs.	100	100	.27
2275	10	2	1/2	4 lbs.	100	100	.27
2276	12	2	1/2	4 lbs.	100	100	.27
2277	15	2	1/2	4 lbs.	100	100	.27
2278	20	2	1/2	4 lbs.	100	100	.27
2279	25	2	1/2	4 lbs.	100	100	.27
2280	30	2	1/2	4 lbs.	100	100	.27

"D & W" ENTRANCE CUT-OUTS
NATIONAL ELECTRICAL CODE STANDARD



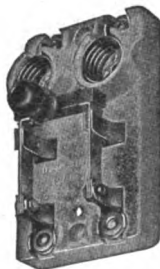
Mfr. No. 25050



Mfr. No. 25051

60 Amperes, 250 Volts
For Cartridge Fuses

List No.	Ampere Capacity	Volts	Description	Std. Pkg.	Pkg. Net Wt.	*List Price Each
25050	31-60	125	Double Pole.....	10	42 lbs.	\$1.95
25051	31-60	125	Triple Pole.....	5	30 lbs.	2.52



Mfr. No. 25028



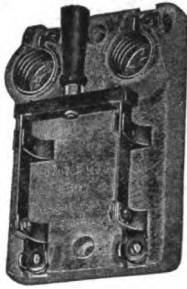
Mfr. No. 25029

30 Amperes, 125 Volts
For Plug Fuses

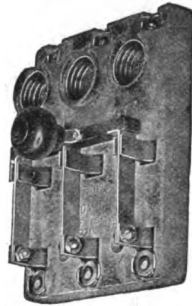
List No.	Ampere Capacity	Volts	Description	Std. Pkg.	Pkg. Net Wt.	*List Price Each
25028	30	125	Double Pole.....	100	180	1.90
25029	30	125	Double Pole, Single Branch.....	100	180	2.60

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries write nearest office.
Knife Switches, Fuses and Cut-Outs

"D & W" ENTRANCE CUT-OUTS AND SWITCH BOXES
NATIONAL ELECTRICAL CODE STANDARD



Mfr. No. 25030



Mfr. No. 25031

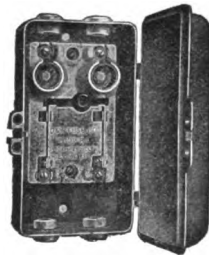
30 Amperes, 125 Volts
For Plug Fuses

List No.	Ampere Capacity	Volts	Description	Std. Pkg.	Pkg. Net Wt.	*List Price Each
*25030	30	125	Double Pole.....	100	200	\$1.00
25031	30	125	Triple Pole.....	50	175	1.40

* These Cut-outs are spaced and were formerly approved for 250 Volts.



Mfr. No. 25022
For Conduit Connection



Mfr. No. 25033
For Open Wiring

Switch Boxes with Cut-Outs
With Cover Hinged on End

List No.	Type	Ampere Capacity	Volts	Description	Std. Pkg.	Pkg. Net Wt.	*List Price Each
25022	J-6	30	125	Double Pole.....	25	160	\$3.24
25023	J-7	30	125	Double Pole.....	25	225	3.78
25024	J-8	30	125	Triple Pole.....	25	340	4.32

With Cover Hinged on Side

25032	J	30	125	Double Pole.....	25	160	\$3.24
25033	J-2	30	125	Double Pole.....	25	225	3.78
25034	J-3	30	125	Triple Pole.....	25	340	4.32

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries write nearest house.

"D & W" INDICATING ENCLOSED FUSES

NATIONAL ELECTRICAL CODE STANDARD

The mechanical design of "D & W" fuses has been rendered as nearly correct in all particulars as possible to conform to the requirements of the National Electrical Code. Exceptionally heavy fibre tubes with extra long caps are used throughout. Where extreme rigidity is required, as in large fuses, the tubes are fitted inside with steel reinforcing rings which are so placed as to receive the ends of all the screws which hold on the fuse caps. The strength and rigidity obtained by passing these machine screws into the steel bands within the fibre tubes enable the fuse to withstand great mechanical abuse and the severest electrical conditions.

A special feature of "D & W" fuses is, that whenever possible, the copper terminal wires in the fusible links are fastened together so as to be both mechanically and electrically continuous, even before the application of solder.

An important and distinctive feature of "D & W" fuses is the so-called "Bull's-eye Indicator." The location of the indication is absolutely defined and the indication itself is extremely distinct, not requiring close inspection as is the case with other types.



Construction of Fuses from 3 to 60 Amperes

3 to 60 Amperes, 250 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Reload Price Each
For 30 Ampere Cut-Outs							
91125	3	2	10	100	4 lbs.	\$0.25	NOT REFILLABLE
91126	4	2	10	100	4 lbs.	.25	
91127	5	2	10	100	4 lbs.	.25	
91128	6	2	10	100	4 lbs.	.25	
91130	7	2	10	100	4 lbs.	.25	
91131	8	2	10	100	4 lbs.	.25	
91132	9	2	10	100	4 lbs.	.25	
91133	10	2	10	100	4 lbs.	.25	
91134	12	2	10	100	4 lbs.	.25	
91135	15	2	10	100	4 lbs.	.25	
91136	20	2	10	100	4 lbs.	.25	
91137	25	2	10	100	4 lbs.	.25	
91138	30	2	10	100	4 lbs.	.25	

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Reload Price Each
For 60 Ampere Cut-Outs							
91139	35	3	10	100	10 lbs.	\$0.35	NOT REFILLABLE
91140	40	3	10	100	10 lbs.	.35	
91141	45	3	10	100	10 lbs.	.35	
91143	50	3	10	100	10 lbs.	.35	
91146	55	3	10	100	10 lbs.	.35	
91147	60	3	10	100	10 lbs.	.35	



Construction of Fuses from 61 to 100 Amperes

65 to 100 Amperes, 250 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Reload Price Each
For 100 Ampere Cut-Outs							
91149	65	5 1/2	5	50	14 lbs.	\$.90	\$0.60
91150	70	5 1/2	5	50	14 lbs.	.90	.60
91151	75	5 1/2	5	50	14 lbs.	.90	.60
91152	80	5 1/2	5	50	14 lbs.	.90	.60
91153	85	5 1/2	5	50	14 lbs.	.90	.60
91154	90	5 1/2	5	50	14 lbs.	.90	.60
91155	95	5 1/2	5	50	14 lbs.	.90	.60
91156	100	5 1/2	5	50	14 lbs.	.90	.60

Refilled Fuses

It should be noted that fuses refilled by others than the original or approved manufacturers are not approved by the National Board of Fire Underwriters. Fuses returned to their original manufacturers for refilling come under the approval of the National Board of Fire Underwriters and require the same attention and care as new fuses.

Knife Switches, Fuses and Cut-Outs

"D & W" INDICATING ENCLOSED FUSES
NATIONAL ELECTRICAL CODE STANDARD



Construction of Fuses from 101 to 1000 Amperes

110 to 1000 Amperes, 250 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Retail Price Each
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For 200 Ampere Cut-Outs

91157	110	7 $\frac{1}{8}$	5	25	18 lbs.	\$2.00	\$0.90
91158	120	7 $\frac{1}{8}$	5	25	18 lbs.	2.00	.90
91161	125	7 $\frac{1}{8}$	5	25	18 lbs.	2.00	.90
91162	150	7 $\frac{1}{8}$	5	25	18 lbs.	2.00	.90
91163	175	7 $\frac{1}{8}$	5	25	18 lbs.	2.00	.90
91164	200	7 $\frac{1}{8}$	5	25	18 lbs.	2.00	.90

For 400 Ampere Cut-Outs

91165	225	8 $\frac{5}{8}$	5	25	40 lbs.	\$3.60	\$1.60
91166	250	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91167	275	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91168	300	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91169	325	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91170	350	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91171	375	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60
91172	400	8 $\frac{5}{8}$	5	25	40 lbs.	3.60	1.60

For 600 Ampere Cut-Outs

91173	450	10 $\frac{3}{8}$	1	10	28 lbs.	\$5.50	\$2.00
91174	500	10 $\frac{3}{8}$	1	10	28 lbs.	5.50	2.00
91175	550	10 $\frac{3}{8}$	1	10	28 lbs.	5.50	2.00
91176	600	10 $\frac{3}{8}$	1	10	28 lbs.	5.50	2.00

***For 800 Ampere Cut-Outs**

91177	650	11 $\frac{1}{2}$	1	10	45 lbs.	\$12.96	\$4.32
91178	700	11 $\frac{1}{2}$	1	10	45 lbs.	12.96	4.32
91179	750	11 $\frac{1}{2}$	1	10	45 lbs.	12.96	4.32
91180	800	11 $\frac{1}{2}$	1	10	45 lbs.	12.96	4.32

***For 1000 Ampere Cut-Outs**

91181	850	12 $\frac{5}{8}$	1	10	60 lbs.	\$16.20	\$5.40
91182	900	12 $\frac{5}{8}$	1	10	60 lbs.	16.20	5.40
91183	950	12 $\frac{5}{8}$	1	10	60 lbs.	16.20	5.40
91184	1000	12 $\frac{5}{8}$	1	10	60 lbs.	16.20	5.40

*Underwriters' published approval only includes up to 600 amperes.

Refilled Fuses

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"D & W" INDICATING ENCLOSED FUSES
NATIONAL ELECTRICAL CODE STANDARD



Construction of Fuses from 3 to 60 Amperes

3 to 60 Amperes, 600 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Reload Price Each
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For 30 Ampere Cut-Outs

28084	3	5	10	100	14 lbs.	\$0.40	NOT REFI LLABLE
28085	4	5	10	100	14 lbs.	.40	
28086	5	5	10	100	14 lbs.	.40	
28087	6	5	10	100	14 lbs.	.40	
28088	7	5	10	100	14 lbs.	.40	
28089	8	5	10	100	14 lbs.	.40	
28090	9	5	10	100	14 lbs.	.40	
28091	10	5	10	100	14 lbs.	.40	
28092	12	5	10	100	14 lbs.	.40	
28093	15	5	10	100	14 lbs.	.40	
28094	20	5	10	100	14 lbs.	.40	
28095	25	5	10	100	14 lbs.	.40	
28096	30	5	10	100	14 lbs.	.40	

For 60 Ampere Cut-Outs

28097	35	5½	10	100	22 lbs.	\$0.60	NOT REFI LLABLE
28098	40	5½	10	100	22 lbs.	.60	
28099	45	5½	10	100	22 lbs.	.60	
28100	50	5½	10	100	22 lbs.	.60	
28101	55	5½	10	100	22 lbs.	.60	
28102	60	5½	10	100	22 lbs.	.60	



Construction of Fuses from 61 to 100 Amperes

65 to 100 Amperes, 600 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Reload Price Each
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For 100 Ampere Cut-Outs

28103	65	7½	5	50	23 lbs.	\$1.50	\$0.80
28104	70	7½	5	50	23 lbs.	1.50	.80
28105	75	7½	5	50	23 lbs.	1.50	.80
28106	80	7½	5	50	23 lbs.	1.50	.80
28107	85	7½	5	50	23 lbs.	1.50	.80
28108	90	7½	5	50	23 lbs.	1.50	.80
28109	95	7½	5	50	23 lbs.	1.50	.80
28110	100	7½	5	50	23 lbs.	1.50	.80

Refilled Fuses

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"D & W" INDICATING ENCLOSED FUSES
NATIONAL ELECTRICAL CODE STANDARD



Construction of Fuses from 101 to 1000 Amperes

110 to 1000 Amperes, 600 Volts

List No.	Ampere Capacity	Length Inches	Carton Quantity	Std. Pkg. Quantity	Pkg. Net Wt.	List Price Each	Retail Price Each
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For 200 Ampere Cut-Outs

28111	110	9 $\frac{5}{8}$	5	25	34 lbs.	\$2.50	\$1.20
28112	120	9 $\frac{5}{8}$	5	25	34 lbs.	2.50	1.20
28113	125	9 $\frac{5}{8}$	5	25	34 lbs.	2.50	1.20
28114	150	9 $\frac{5}{8}$	5	25	34 lbs.	2.50	1.20
28115	175	9 $\frac{5}{8}$	5	25	34 lbs.	2.50	1.20
28116	200	9 $\frac{5}{8}$	5	25	34 lbs.	2.50	1.20

For 400 Ampere Cut-Outs

28117	225	11 $\frac{1}{8}$	1	25	77 lbs.	\$5.50	\$2.00
28118	250	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28119	275	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28120	300	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28121	325	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28122	350	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28123	375	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00
28124	400	11 $\frac{1}{8}$	1	25	77 lbs.	5.50	2.00

***For 600 Ampere Cut-Outs**

28125	450	13 $\frac{3}{8}$	1	10	49 lbs.	\$8.00	\$3.00
28126	500	13 $\frac{3}{8}$	1	10	49 lbs.	8.00	3.00
28127	550	13 $\frac{3}{8}$	1	10	49 lbs.	8.00	3.00
28128	600	13 $\frac{3}{8}$	1	10	49 lbs.	8.00	3.00

***For 800 Ampere Cut-Outs**

28129	650	14 $\frac{1}{2}$	1	10	60 lbs.	\$16.20	\$5.40
28130	700	14 $\frac{1}{2}$	1	10	60 lbs.	16.20	5.40
28131	750	14 $\frac{1}{2}$	1	10	60 lbs.	16.20	5.40
28132	800	14 $\frac{1}{2}$	1	10	60 lbs.	16.20	5.40

***For 1000 Ampere Cut-Outs**

28133	850	15 $\frac{5}{8}$	1	10	75 lbs.	\$19.44	\$6.48
28134	900	15 $\frac{5}{8}$	1	10	75 lbs.	19.44	6.48
28135	950	15 $\frac{5}{8}$	1	10	75 lbs.	19.44	6.48
28136	1000	15 $\frac{5}{8}$	1	10	75 lbs.	19.44	6.48

*Underwriters' published approval only includes up to 400 Amperes.

Refilled Fuses

It should be noted that fuses refilled by others than the original or approved manufacturers are not approved by the National Board of Fire Underwriters. Fuses returned to their original manufacturers for refilling come under the approval of the National Board of Fire Underwriters and require the same attention and care as new fuses.

"D & W" PLUG FUSE CASES AND FUSES

Plug Fuse Cases

NATIONAL ELECTRICAL CODE STANDARD

0-60 Amperes, 125 Volts

These fuse cases are made in two types, No. 190, 0-30 amperes, being designed for standard cartridge fuses within its range, and No. 191, 31 to 60 amperes, designed for standard cartridge fuses within that range.



List No. 190

List No.	Amp. Cap.	For Fuses	Carton Quantity	Std. Pkg.	Pkg. Wt. Lbs.	List Price Each
190	0-30	N. E. C. Std.	25	100	17	\$0.20
191	31-60	N. E. C. Std.	25	100	50	.39



Before Blowing



List No. 410



After Blowing

Type "C" Indicating Plug Fuses

3-30 Amperes, 125 Volts

These plug fuses are designed for standard Edison plug cut-outs, and afford a positive indication when the fuse has blown. These fuses may be reloaded.

List No.	Amp. Capacity	Carton Quantity	Std. Pkg.	Pkg. Wt. Lbs.	List Price Each	Reload Price Each	List No.	Amp. Capacity	Carton Quantity	Std. Pkg.	Pkg. Wt. Lbs.	List Price Each	Reload Price Each
403	3	25	100	9	\$0.43	\$0.25	412	12	25	100	9	\$0.43	\$0.25
404	4	25	100	9	.43	.25	415	15	25	100	9	.43	.25
405	5	25	100	9	.43	.25	418	18	25	100	9	.43	.25
406	6	25	100	9	.43	.25	420	20	25	100	9	.43	.25
408	8	25	100	9	.43	.25	425	25	25	100	9	.43	.25
410	10	25	100	9	.43	.25	430	30	25	100	9	.43	.25



3-30 Amp.



35-75 Amp.

Type "B" Plug Fuses

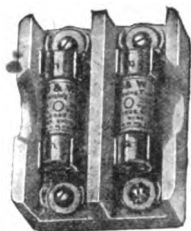
3-75 Amperes, 250 Volts Old Code

These fuse cartridges are for use in connection with Old Code Type B plug fuse cases, and are made in ranges of from 3 to 30 amperes, designed for 30 ampere, and from 35 to 75 amperes, designed for 75 ampere cases.

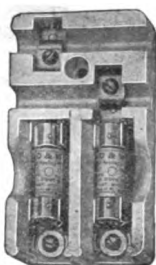
List No.	Amp. Capacity	Carton Quantity	Std. Pkg.	Pkg. Wt. Lbs.	List Price Each	List No.	Amp. Capacity	Carton Quantity	Std. Pkg.	Pkg. Wt. Lbs.	List Price Each
103	3	50	100	3	\$0.20	130	30	50	100	3	\$0.20
104	4	50	100	3	.20	135	35	25	100	12	.38
105	5	50	100	3	.20	140	40	25	100	12	.38
106	6	50	100	3	.20	145	45	25	100	12	.38
108	8	50	100	3	.20	150	50	25	100	12	.38
110	10	50	100	3	.20	155	55	25	100	12	.38
112	12	50	100	3	.20	160	60	25	100	12	.38
115	15	50	100	3	.20	165	65	25	50	6	.97
118	18	50	100	3	.20	170	70	25	50	6	.97
120	20	50	100	3	.20	175	75	25	50	6	.97
125	25	50	100	3	.20						

"D & W" ENCLOSED FUSE CUT-OUTS

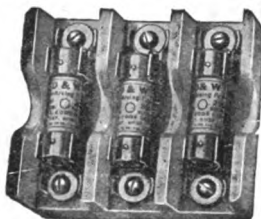
NATIONAL ELECTRICAL CODE STANDARD



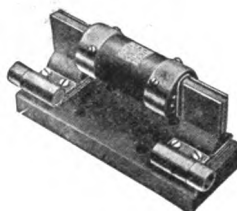
List No. 91102



List No. 91104



List No. 91103



List No. 91117

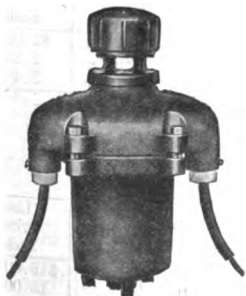
**0 to 100 Amperes, 250 Volts
Porcelain**

List No.	Ampere Capacity	Description	Contact	Std. Pkg.	Pkg. Net Wt.	List Price Each
91101	0- 30	Single Pole, Main Line, porc.	Ferrule	50	13	\$0.36
91107	31- 60	Single Pole, Main Line, porc.	Ferrule	50	30	.59
91114	61-100	Single Pole, Main Line, porc.	Knife Blade	50	79	1.26
91102	0- 30	Double Pole, Main Line, porc.	Ferrule	50	37	.50
91108	31- 60	Double Pole, Main Line, porc.	Ferrule	50	81	1.26
91119	61-100	Double Pole, Main Line, porc.	Knife Blade	50	156	2.52
91104	0- 30	Double Pole, Single Branch, porc.	Ferrule	50	60	.63
91110	31- 60	Double Pole, Single Branch, porc.	Ferrule	50	121	1.58
91106	0- 30	Double Pole, Double Branch, porc.	Ferrule	25	50	1.17
91113	31- 60	Double Pole, Double Branch, porc.	Ferrule	25	134	3.15
91103	0- 30	Triple Pole, Main Line, porc.	Ferrule	50	51	.72
91109	31- 60	Triple Pole, Main Line, porc.	Ferrule	50	117	1.80
91120	61-100	Triple Pole, Main Line, porc.	Knife Blade	25	117	3.60
91105	0- 30	Triple Pole, Single Branch, porc.	Ferrule	50	90	1.22
91111	31- 60	Triple Pole, Single Branch, porc.	Ferrule	50	250	2.70
91100	0- 30	Triple Pole, Double Branch, porc.	Ferrule	25	91	2.03
91123	31- 60	Triple Pole, Double Branch, porc.	Ferrule	10	95	5.40
91121	0- 30	3 to 2 Wire, Double Branch, porc.	Ferrule	25	65	1.35
91124	31- 60	3 to 2 Wire, Double Branch, porc.	Ferrule	25	158	3.78
91122	0- 30	2 Wire Cross-over Branch, porc.	Ferrule	50	53	.59

**101 to 1000 Amperes, 250 Volts
Slate Base**

91115	101- 200	Single Pole, Main Line, Slate.	Knife Blade	25	84	\$2.48
91117	201- 400	Single Pole, Main Line, Slate.	Knife Blade	25	138	6.30
91118	401- 600	Single Pole, Main Line, Slate.	Knife Blade	10	93	9.90
91190	*601-800	Single Pole, Main Line, Slate.	Knife Blade	10	175	21.60
91191	*801-1000	Single Pole, Main Line, Slate.	Knife Blade	10	200	27.00

* Underwriters' published approval only includes up to 600 amperes.



Oil Fuse Cut-out

Oil Fuse Cut-Outs

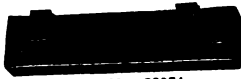
For High Tension Work

In the "D & W" Cut-out the fusible element is placed under a heavy body of special oil. The cut-outs are made in three capacities, of 50, 100 and 200 ampere, 2500 volt capacity. Special precautions have been taken to so design the device as to render re-fusing safe for the operator. The cut-out is not intended for use as a switching device. The fusible element is light and readily inserted.

List No.	Description	List Price Each
542196	50 ampere, oil fuse cut-out pole type.	\$20.00
542197	100 ampere, oil fuse cut-out pole type.	30.00
542198	200 ampere, oil fuse cut-out pole type.	40.00
542199	50 ampere, capacity fuse.30
542200	100 ampere, capacity fuse.50
542201	200 ampere, capacity fuse.	1.20

* Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries write nearest house.

"D & W" CUT-OUTS
NATIONAL ELECTRICAL CODE STANDARD



List No. 28074



List No. 28075

0 to 100 Amperes, 600 Volts
Ferrule Contact—Single Pole Porcelain

List No.	Ampere Capacity	Standard Package	Package Net Weight	List Price Each
28074	0-30	50	48 lbs.	\$0.54
28075	31-60	50	54 lbs.	.81

Knife-Blade Contact—Single Pole Porcelain

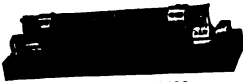
28078	61-100	50	102 lbs.	\$1.58
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101 to 1000 Amperes, 600 Volts

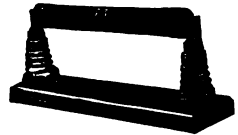
Knife-Blade Contact—Single Pole Slate

List No.	Ampere Capacity	Standard Package	Package Net Weight	List Price Each
28079	101- 200	25	106 lbs.	\$2.70
28080	201- 400	25	181 lbs.	7.20
28081	*401- 600	10	108 lbs.	10.80
28140	*601- 800	10	250 lbs.	22.68
28141	*801-1000	10	275 lbs.	28.28

* Underwriters' published approval only includes up to 400 amperes.



List No. 60100



List No. 60123

0 to 100 Amperes, 2500 Volts

Knife-Blade Contact

List No.	Ampere Capacity	Description	Std. Pkg.	Pkg. Net Wt.	List Price Each
60030	0- 30	Single Pole Slate.....	25	81 lbs.	\$2.03
60060	31- 60	Single Pole Slate.....	25	86 lbs.	2.25
60100	60-100	Single Pole Slate.....	25	91 lbs.	2.48

4400-22000 Volt Cut-Outs

Knife-Blade Contact

List No.	Description	Std. Pkg.	Pkg. Net Wt.	List Price Each
60120	0-20 Amperes, 4400 Volts Marble Base.....	10	..	\$15.00
60121	0-15 Amperes, 6600 Volts Marble Base.....	10	..	15.00
60122	0-10 Amperes, 13200 Volts Marble Base.....	10	..	16.00
60123	0- 5 Amperes, 22000 Volts Marble Base.....	10	..	16.00

"D & W" HIGH TENSION FUSES
Knife-Blade Contact



List No. 6030

List No. 60113

3-100 Amperes, 2500 Volts
For 30 Ampere Cut-Outs

List No.	Ampere Capacity	Length Inches	Std. Pkg.	Net Pkg.	List Price Each	Reload Price Each
6003	3	10	50	28 lbs.	\$1.62	\$1.19
6004	4	10	50	28 lbs.	1.62	1.19
6005	5	10	50	28 lbs.	1.62	1.19
6006	6	10	50	28 lbs.	1.62	1.19
6007	7	10	50	28 lbs.	1.62	1.19
6008	8	10	50	28 lbs.	1.62	1.19
6009	9	10	50	28 lbs.	1.62	1.19
6010	10	10	50	28 lbs.	1.62	1.19
6012	12	10	50	28 lbs.	1.62	1.19
6015	15	10	50	28 lbs.	1.62	1.19
6020	20	10	50	28 lbs.	1.62	1.19
6025	25	10	50	28 lbs.	1.62	1.19
6030	30	10	50	28 lbs.	1.62	1.19

For 60 Ampere Cut-Outs

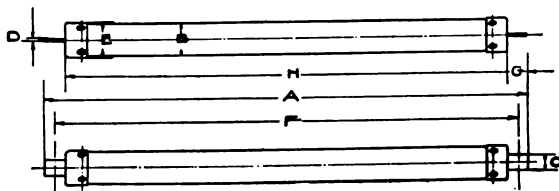
6035	35	10½	25	30 lbs.	\$2.16	\$1.40
6040	40	10½	25	30 lbs.	2.16	1.40
6045	45	10½	25	30 lbs.	2.16	1.40
6050	50	10½	25	30 lbs.	2.16	1.40
6055	55	10½	25	30 lbs.	2.16	1.40
6060	60	10½	25	30 lbs.	2.16	1.40

For 100 Ampere Cut-Outs

6065	65	11	25	42 lbs.	\$3.24	\$1.73
6070	70	11	25	42 lbs.	3.24	1.73
6075	75	11	25	42 lbs.	3.24	1.73
6080	80	11	25	42 lbs.	3.24	1.73
6085	85	11	25	42 lbs.	3.24	1.73
6090	90	11	25	42 lbs.	3.24	1.73
6095	95	11	25	42 lbs.	3.24	1.73
6100	100	11	25	42 lbs.	3.24	1.73

Fuses 4400-22000 Volts
Knife-Blade Contact

List No.	Ampere Capacity	Volts	For Cut-Outs	Length Inches	Std. Pkg.	List Price Each	Reload Price Each
60110	0-20	4400	60120	14	25	\$3.50	\$2.50
60111	0-15	6600	60121	17	25	4.00	2.75
60112	0-10	13200	60122	20	10	4.50	3.00
60113	0-5	22000	60123	23	10	5.00	3.50



Standard Dimensions

Volts	Amps	A	B	C	D	E	F	G	H
4400	1-20	14	1¾	¾	½	1½	13	1	12
6600	1-15	17	1¾	¾	½	1½	16	1	15
13200	1-10	20	1¾	¾	½	1½	19	1	18
22000	1-5	23	1¾	¾	½	1½	22	1	21

"D & W" PROTECTORS



Mfr. No. 3100



Mfr. No. 3104



Mfr. No. 3105

Fire Alarm Protectors

Combination Cut-Outs furnished complete with Fuses and Sneak Coils.

List No.	Mfr. No.	Description	Std. Pkg.	Pkg. Wt. Lbs.	*List Price Each
541703	3100	Single Pole Cut-Out	50	42	\$0.70
541704	3102	Single Pole Combination Cut-Out	50	54	1.54
541705	3104	Double Pole Combination Cut-Out	50	101	2.46
541706	3105	D. P. Comb. Cut-Out with Arrester without Sneak Coils.	50	100	1.96

**FIRE ALARM FUSES—2000 VOLTS
Type A—Screw Clamp Contact**

List No.	Mfr. No.	Ampere Capacity	Centres Inches	Std. Pkg.	Pkg. Wt. Lbs.	*List Price Each
541707	3001	1 Ampere	5 3/2	100	1 1/2 lbs.	\$0.28
541708	3002	2 Ampere	5 3/2	100	1 1/2 lbs.	.28
541709	3003	3 Ampere	5 3/2	100	1 1/2 lbs.	.28
541710	3004	4 Ampere	5 3/2	100	1 1/2 lbs.	.28

**SNEAK COILS
For Combination Cut-Out**

List No.	Mfr. No.	Ampere	Centres Inches	Std. Pkg.	Pkg. Wt. Lbs.	*List Price Each
541711	3110	1/10 Ampere	1 7/8	100	1/2 lb.	\$0.26
541712	3210	1/10 Ampere	1 7/8	100	1/2 lb.	.26
541713	3310	1/10 Ampere	1 7/8	100	1/2 lb.	.26
541714	3410	1/10 Ampere	1 7/8	100	1/2 lb.	.26
541715	3510	1/10 Ampere	1 7/8	100	1/2 lb.	.26

For telephone service we recommend a 1/10 ampere sneak coil, and for fire alarm service a 1/10 ampere sneak coil.



Mfr. No. 2753



Mfr. No. 2757

**Telegraph Protectors
Without Fuses**

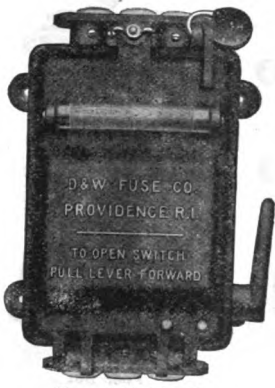
List No.	Mfr. No.	Type	Std. Pkg.	Pkg. Wt. Lbs.	*List Price Each
541716	2750	Western Union S. P. without Lightning Arrester	50	24 lbs.	\$0.30
541717	2751	Western Union D. P. without Lightning Arrester	50	48 lbs.	.60
541718	2752	Western Union S. P. with Lightning Arrester	50	25 lbs.	1.00
541719	2753	Western Union D. P. with Lightning Arrester	50	50 lbs.	.40
541720	2754	Postal Type A, S. P. without Lightning Arrester	50	43 lbs.	.40
541721	2755	Postal Type C, S. P. without Lightning Arrester	50	43 lbs.	.40
541722	2756	Postal Type A, S. P. with Lightning Arrester	50	52 lbs.	.76
541723	2757	Postal Type C, S. P. with Lightning Arrester	50	52 lbs.	.76

**TELEGRAPH FUSES
For Telegraph Protectors**

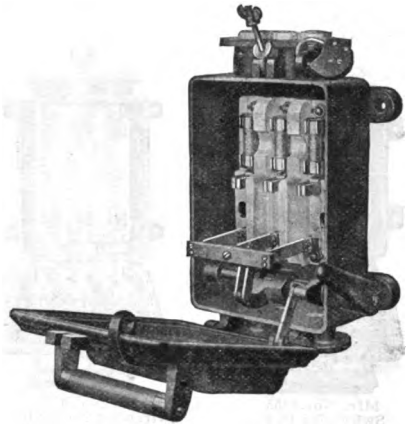
List No.	Mfr. No.	Ampere Capacity	For Cut-Outs	Length Inches	Centres Inches	Std. Pkg.	Pkg. Wt. Lbs.	*List Price Each
541724	2760	0-5	West. Un.	4 5/8		100	3 lbs.	\$0.20
541725	2761	0-10	Postal	4 5/8		100	7 lbs.	.20
541726	2762	0-10	Postal		5 3/2	100	7 lbs.	.20

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries, write nearest house.

"D & W" FUSED SWITCH BOXES
FOR NATIONAL CODE FUSES
Waterproof



Type J-28 Closed

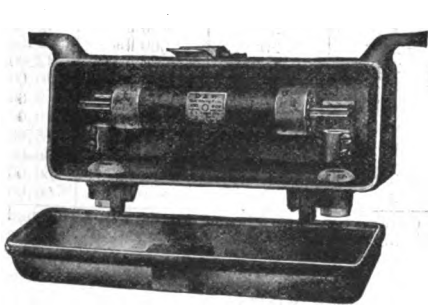


Type J-28 Open

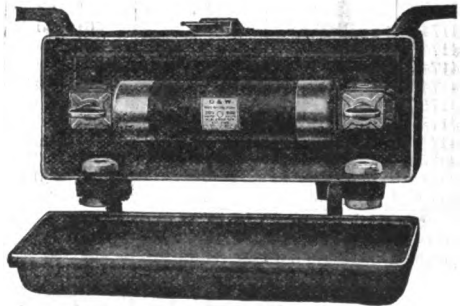
Waterproof Fused Switch Boxes
250 Volts

List No.	Mfr. No.	Type	Description	Net Wt. Each	*List Price Each
541727	25075	J-25	0-30 Amperes, Double Pole.	18 lbs.	\$7.80
541728	25076	J-26	31-60 Amperes, Double Pole.	26 lbs.	14.04
541729	25077	J-27	61-100 Amperes, Double Pole.	35 lbs.	32.40
541730	25078	J-28	0-30 Amperes, Triple Pole.	20 lbs.	12.96
541731	25079	J-29	31-60 Amperes, Triple Pole.	30 lbs.	21.60
541732	25080	J-30	61-100 Amperes, Triple Pole.	40 lbs.	43.20

The above prices do not include fuse or padlock.



Mfr. No. 60128



Mfr. No. 60129

"D & W" Railway Cut-Outs
Car Type—600 Volts

These Cut-outs consist of an asbestos-lined iron case with hinged cover, held in place by a spring catch.

List No.	Mfr. No.	Type	Description	Length of Fuse	Pkg. Quantity	Pkg. Net Wt.	*List Price Each
541733	60128	R-5	Car Motor Cut-out for N. E. Code Std. fuses 61 to 100 amperes, 600 volts. . . .	7 7/8 ins.	25	225 lbs.	\$6.76
541734	60129	R-6	Car Motor Cut-out for N. E. Code Std. fuses bolted, 101 to 200 amperes, 600 volts.				
				9 3/4 ins.	25	369 lbs.	9.26

NOTE: Type R-5 box can be fitted with screw clamp contacts, and Type R-6 with knife blade contacts if desired. In ordering fuses for boxes specify the type of box.

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries, write nearest house.

"D & W" SERVICE SWITCHES AND FUSE BOXES

FOR NATIONAL CODE FUSES

Waterproof



Mfr. No. 1905
Switch for D. C.
Circuit



Mfr. No. 1906
Switch for Multiphase
Circuit



Mfr. No. 2205
Fuse Box



Mfr. No. 2208
Fuse Box

The service switch is constructed for use both as a cut-out and a switch. It consists of a set of enclosed fuses mounted in an iron box so that they can be made to swing with the cover and open the circuit or to remain in the fuse clip while the cover is open. The fuse box is a device similar to the service switch except that the cover is not provided with any mechanism for withdrawing the fuses from the circuit. They are so designed as to be used on the outside of buildings or in cellars where the wires enter from the subway. In the covers of the service switches are mounted the fuse guides to positively align the fuses in order that the boxes may be readily closed with the fuses properly engaging in the cut-outs. Withdrawal hooks are also mounted in the cover. These grasp the fuses when the levers outside the boxes are given a one-quarter turn. Thus the fuses can be withdrawn from the circuit if desired when the boxes are opened.

"D & W" Service Switches, 250 Volts

List No.	Mfr. No.	Type	Ampere Capacity	Poles	Std. Pkg.	Pkg. Net Wt.	*List Price Each
541744	1910	1-6	0-30	2	25	175 lbs.	\$7.25
541745	1900	1-7	31-60	2	25	225 lbs.	8.25
541746	1901	1-8	61-100	2	25	450 lbs.	12.50
541747	1902	1-9	101-200	2	20	560 lbs.	20.50
541748	1903	1-10	201-400	2	20	920 lbs.	42.00
541749	1904	1-11	401-600	2	10	680 lbs.	79.00
541750	1911	1-0	0-30	3	25	218 lbs.	9.00
541751	1905	1	31-60	3	25	275 lbs.	10.00
541752	1906	1-2	61-100	3	25	550 lbs.	15.00
541753	1907	1-3	101-200	3	20	680 lbs.	26.00
541754	1908	1-4	201-400	3	20	1140 lbs.	56.00
541755	1909	1-5	401-600	3	10	880 lbs.	96.00

NOTE: For D. C. Three-Wire Circuits these boxes are equipped with two hooks operated by individual levers, and for Multiple Circuits with three hooks operated simultaneously by one lever. Unless otherwise specified, boxes for D. C. circuits will be shipped.

"D & W" Fuse Boxes, 250 Volts

List No.	Mfr. No.	Type	Ampere Capacity	Poles	Std. Pkg.	Pkg. Net Wt.	*List Price Each
541756	2210	K-10	0-30	2	25	150 lbs.	\$5.00
541757	2200	K-20	31-60	2	25	190 lbs.	6.40
541758	2201	K-21	61-100	2	25	380 lbs.	8.40
541759	2202	K-22	101-200	2	20	475 lbs.	17.50
541760	2203	K-23	201-400	2	20	780 lbs.	35.00
541761	2204	K-24	401-600	2	10	580 lbs.	62.50
541762	2211	K-25	0-30	3	25	190 lbs.	6.50
541763	2205	K-26	31-60	3	25	235 lbs.	8.00
541764	2206	K-27	61-100	3	25	470 lbs.	11.00
541765	2207	K-28	101-200	3	20	580 lbs.	24.00
541766	2208	K-29	201-400	3	20	970 lbs.	47.50
541767	2209	K-30	401-600	3	10	745 lbs.	77.00

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries, write nearest branch.
Knife Switches, Fuses and Cut-Outs

"D & W" SERVICE SWITCHES AND FUSE BOXES

FOR NATIONAL CODE FUSES

Waterproof



**Mfr. No. 1811
Service Switch**



**Mfr. No. 1819
Service Switch**



**Mfr. No. 1831
Fuse Box**



**Mfr. No. 1839
Fuse Box**

The service switch is constructed for use both as a cut-out and a switch. It consists of a set of enclosed fuses mounted in an iron box so that they can be made to swing with the cover and open the circuit or to remain in the fuse clip while the cover is open. The fuse box is a device similar to the service switch except that the cover is not provided with any mechanism for withdrawing the fuses from the circuit. They are so designed as to be used on the outside of buildings or in cellars where the wires enter from the subway. In the covers of the service switches are mounted the fuse guides to positively align the fuses in order that the boxes may be readily closed with the fuses properly engaging in the cut-outs. Withdrawal hooks are also mounted in the cover. These grasp the fuses when the levers outside the boxes are given a one-quarter turn. Thus the fuses can be withdrawn from the circuit if desired when the boxes are opened.

"D & W" Service Switches, 600 Volts

List No.	Mfr. No.	Type	Ampere Capacity	Pole	Std Pkg.	Pkg. Net Wt.	*List Price Each
541768	1811	O	0-30	2	25	300 lbs.	\$8.26
541769	1812	O-2	31-60	2	25	362 lbs.	10.00
541770	1813	O-3	61-100	2	25	500 lbs.	17.50
541771	1814	O-4	101-200	2	20	600 lbs.	35.00
541772	1815	O-5	201-400	2	20	1000 lbs.	80.00
541773	1816	O-6	401-600	2	10	818 lbs.	133.00
541774	1817	C-7	0-30	3	25	400 lbs.	10.00
541775	1818	C-8	31-60	3	25	432 lbs.	12.00
541776	1819	O-9	61-100	3	25	732 lbs.	23.00
541777	1820	O-10	101-200	3	20	928 lbs.	42.00
541778	1821	O-11	201-400	3	20	1840 lbs.	102.00
541779	1822	O-12	401-600	3	10	1168 lbs.	175.00

"D & W" Fuse Boxes, 600 Volts

List No.	Mfr. No.	Type	Ampere Capacity	Poles	Std. Pkg.	Pkg. Net Wt.	*List Price Each
541780	1831	L	0-30	2	25	262 lbs.	\$6.00
541781	1832	L-2	31-60	2	25	325 lbs.	7.50
541782	1833	L-3	61-100	2	25	450 lbs.	16.00
541783	1834	L-4	101-200	2	20	560 lbs.	28.00
541784	1835	L-5	201-400	2	20	950 lbs.	63.00
541785	1836	L-6	401-600	2	10	785 lbs.	100.00
541786	1837	L-7	0-30	3	25	344 lbs.	8.00
541787	1838	L-8	31-60	3	25	388 lbs.	9.50
541788	1839	L-9	61-100	3	25	672 lbs.	20.00
541789	1840	L-10	101-200	3	20	870 lbs.	42.00
541790	1841	L-11	201-400	3	20	1760 lbs.	84.00
541791	1842	L-12	401-600	3	10	1112 lbs.	137.00

*Delivery F. O. B. Factory, Providence, R. I. For warehouse deliveries, write nearest house.

Knife Switches, Fuses and Cut-Outs