

UC-NRLF

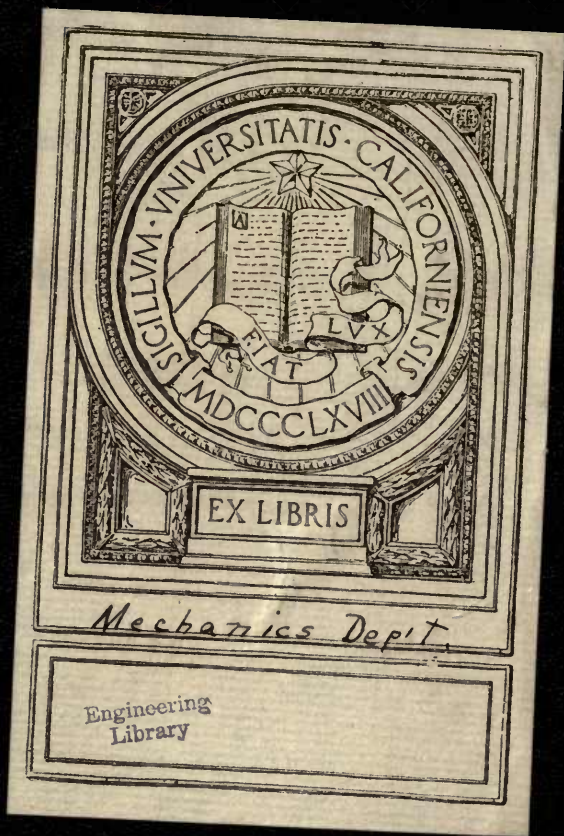


B 4 506 246



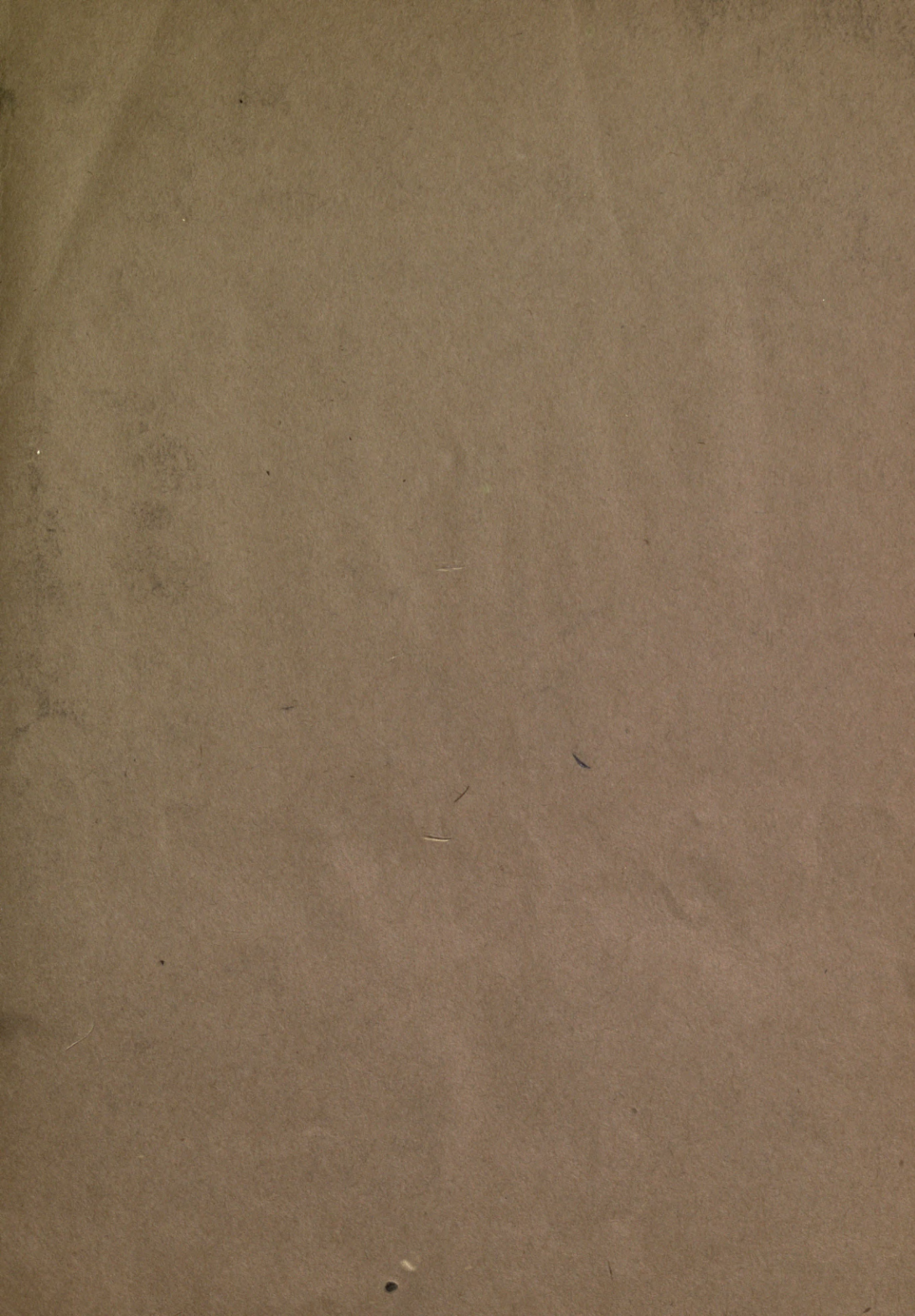
WIRING DIAGRAMS
OF
1917 - 1918 - 1919
STARTING - LIGHTING - IGNITION

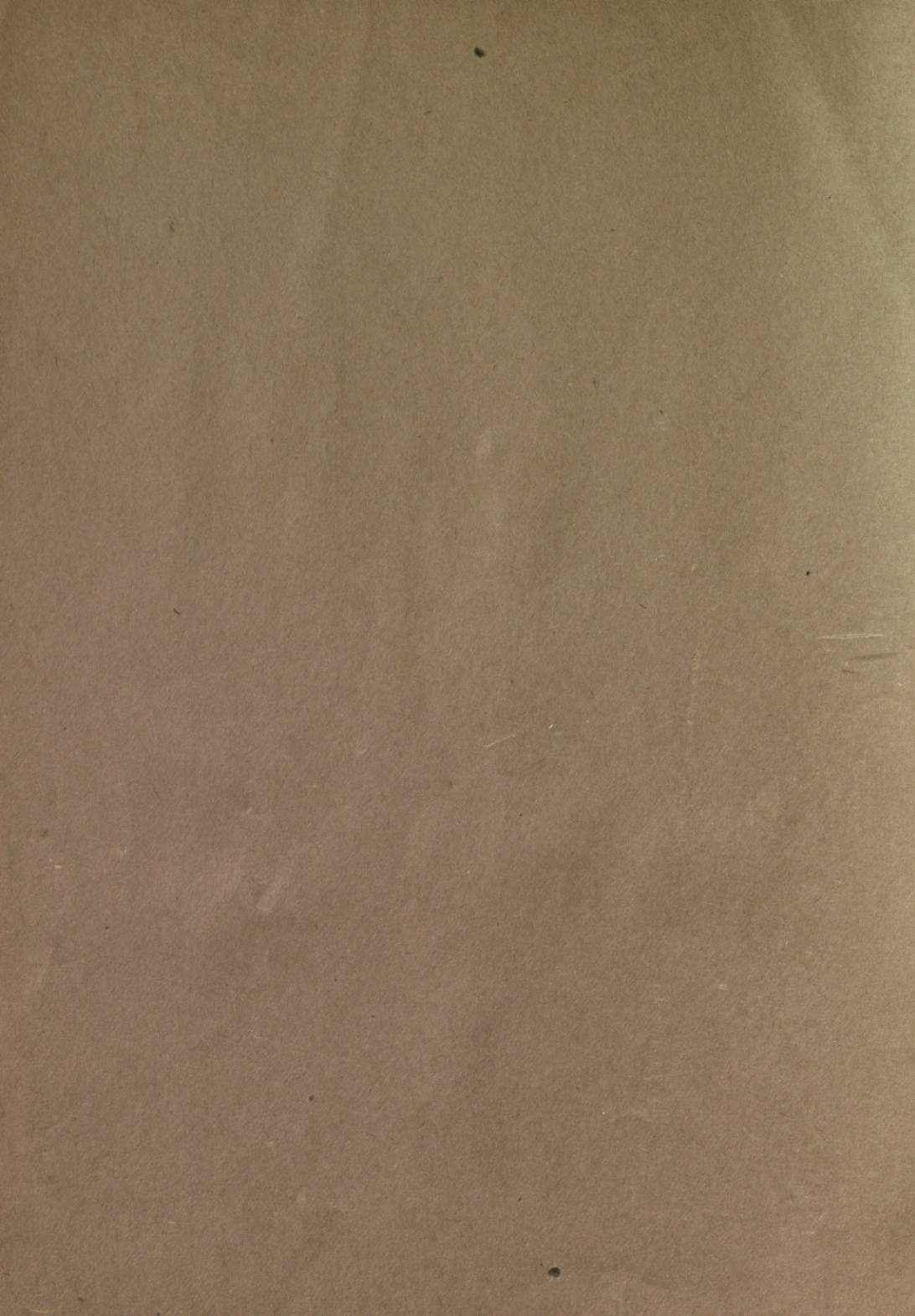
YD 07533



Mechanics Dept.

Engineering
Library





1917-1918-1919
AUTOMOBILE
WIRING DIAGRAMS



Published By
AMERICAN BUREAU OF ENGINEERING, Inc.
1601-03 South Michigan Avenue
CHICAGO, ILL., U. S. A.

INDEX

NAME OF CAR	MODEL	YEAR	SYSTEM
Daniels	"8"	1918	Westinghouse
Davis	6J	1917-18-19	Delco
Davis	6H, 6I, 6K	1917-18-19	Delco
Denby Motor Truck .....	.....	1918	Bijur
Deneen Truck .....	.....	1917	Splitdorf-Apleco
Dixie Flyer	2200 and above	1916-1917	Dyneto
Dixie Flyer—Cars 3,500 and up .....	.....	1917-18-19	Dyneto
Dodge	Passenger Cars and Trucks	1917-18-19	Northeast
Dorris	"6-80"	1919	Westinghouse
Dorris—Truck	"K-4"	1919	Westinghouse
Dort—First half of Season	6 & 9	1917	Westinghouse
Dort	11, 11T	1918	Westinghouse
Elcar	D, E, F, G	1917	Dyneto
Elcar	D, E, G	1918-1919	Dyneto
Elgin "Six" .....	.....	1917-1918	Wagner
Elgin	"H"	1919	Wagner
Empire	50, 51, 70, 70A	1918-1919	Autolite
Essex	"A"	1919	Delco
Ford	"T"	1918	Heinze Springfield
Ford .....	.....	All Years	Heinze Springfield
Ford Lights & Ignition System	All	.....	.....
Franklin—After 11,700 Cars	Ser. 9	1918-1919	Dyneto
Franklin—Light and Horn Wiring	Ser. 9	1918-1919	Dyneto
Franklin—Light and Horn Wiring	Ser. 9	1918-1919	Dyneto
Glide—Cars 9,000 to 10,255	6-40	1916-1917	Westinghouse
Glide	"6-40"	1918-1919	Westinghouse
Grant	6	1917	Wagner
Grant	"G"	1918-1919	Wagner
Grant Truck	10-11-15-16	1919	Remy
H-A-L—Twelve	21	1917	Westinghouse
Harroun .....	.....	1917-18-19	Remy
Haynes	36, 37, 37R	1916-1917	Leece-Neville
Haynes	40, 40R-41	1917	Leece-Neville
Haynes	38, 39 & 45	1918-1919	Leece-Neville
Holmes	All	1919	Dyneto
Hollier	"176"	1917-18-19	Allis-Chalmers
Hollier	"8"	1916-7-8-9	Splitdorf-Apleco
Hudson	Super Six	All Years	Delco
Hupmobile—Cars After 75,000	N	1917	Westinghouse
Hupmobile	R	1917-1918	Bijur
Interstate	T, TR	1917-1918	Remy
Jackson	349	1917-1918	Autolite
Jeffery	671	1917	Bijur
Jeffery Truck	2017	1918	Bijur
Jordan	B	1917	Bijur
Jordan	"C"	1918-1919	Bijur
King	E, EE	1916-1917	Robbins & Meyers
King	"EE," "F"	1917-18-19	Bijur

INDEX

NAME OF CAR	MODEL	YEAR	SYSTEM
Kissel	100 Pt. Six	1917	Remy
Kissel	100 Pt. Six	1918	Remy
Kissel	12 cyl.	1917-18-19	Delco
Kline	6-36	1917	Westinghouse
Lawson Truck.....	.....	1917	Splitdorf-Apleo
Lexington	6-0-17	1917	Westinghouse
Lexington .....	.....	1918-1919	Westinghouse
Liberty	6	1916-7-8-9	Delco
Liberty	10B	1919	Wagner
Lippard-Stewart Truck.....	"M2"	1917	Remy
Locomobile .....	.....	1917-18-19	Westinghouse
Madison	"6-40"	1919	Remy
Maibohm	A-4 cyl.	1917-18-19	Disco
Maibohm	B-6 cyl.	1918-1919	Wagner
Marion—Handley	6-40	1917	Westinghouse
Marmon	34	1918-1919	Bijur
Maxwell—Early model.....	25	1917	Simms-Huff
Maxwell—Late model.....	25	1917	Simms-Huff
Maxwell	1T Truck	1917-1918	Autolite
Maxwell	25	1918-1919	Simms-Huff
McFarlan .....	.....	1917-1918	Westinghouse
McFarlan	Six	1919	Westinghouse
Mercer .....	.....	1917-1918	U. S. L.
Mercer	Ser. 4	1918-1919	Westinghouse
Metz	25	1919	Gray & Davis
Michigan Hearse.....	.....	1917-18-19	Delco
Mitchell—Cars 5000 to 11,500 .....	.....	1917	Westinghouse
Mitchell-Lewis .....	.....	1917-1918	Splitdorf-Apleo
Mitchell	E40-E42	1919	Remy
Moline-Knight	G-MK50, C-MK40	1917-18-19	Wagner
Moon (2 Button Switch).....	6-66	1918-1919	Delco
Moon (4 Button Switch).....	6-66	1918-1919	Delco
Monitor .....	.....	1919	Dyneto
Moline Tractor .....	.....	1919	Remy
Nash	671	1918	Bijur
Nash	681, 82, 83, 84	1918-1919	Delco
National	"6"	1918	Westinghouse
National—First 125 cars.....	Ser. AF3	1919	Westinghouse
National—After first 125 cars.....	Ser. AF3	1919	Westinghouse
National	"12"	1917	Bijur
National	12 cyl.	1918-1919	Bijur
Nelson .....	.....	1917-1918	U. S. L.
Oakland	32B, 34	1917	Delco
Oakland	34B	1918-1919	Remy
Old Hickory Trucks—Dixie Cars to No. 2,200.....	.....	1916-17-18	Dyneto
Oldsmobile	37	1917-1918	Delco
Oldsmobile	37	1918	Remy
Oldsmobile	45 & 45A	1918-1919	Delco
Overland	75B	1916-1917	Autolite
Overland, 4 cyl.....	83 DE	1917	Autolite

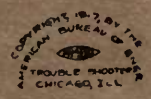
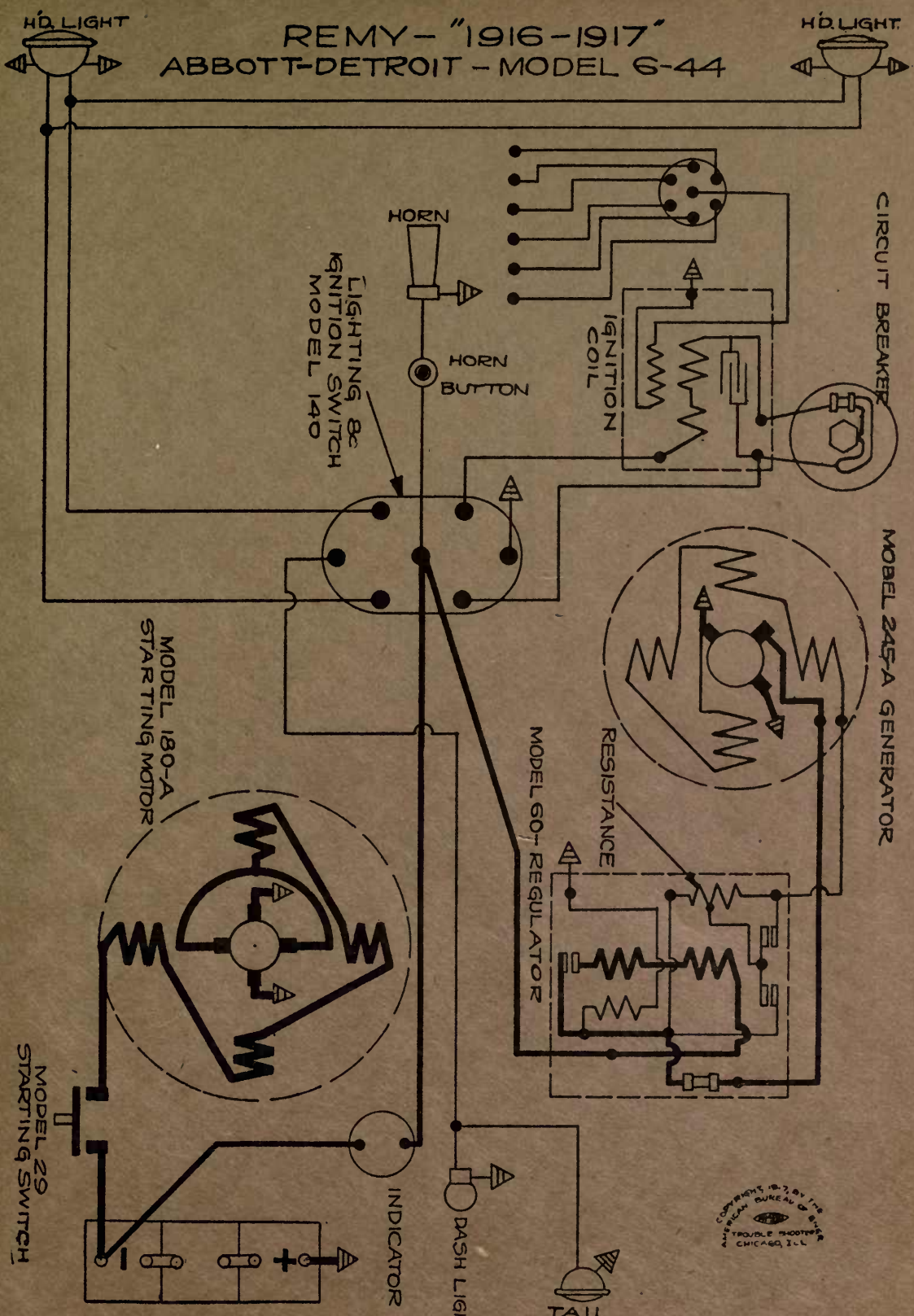
INDEX

NAME OF CAR	MODEL	YEAR	SYSTEM
Overland, 4 cyl.....	85-4-SN, C, T, R	1917	Autolite
Overland, 6 cyl.....	85-R, SN, T, C	1917	Autolite
Overland, 4 cyl.....	88T, SN, Lim.	1917	Autolite
Overland, 8 cyl.....	88T, SN	1917	Autolite
Overland, 6 cyl.....	89CLR, T, 86B	1917	Autolite
Overland, 4 cyl.....	90R, OEX, T, PLD	1917	Autolite
Overland, 4 cyl.....	88-4-SN	1918	Autolite
Overland, 6 cyl.....	89	1918	Autolite
Overland, 4 cyl.....	90	1918	Autolite
Packard	2-25, 2-35	1917	Bijur
Packard	325, 335	1918-1919	Bijur
Packard (Body Wiring).....	325, 335	1918-1919	Bijur
Packard (Body Wiring).....	325, 335	1918-1919	Bijur
Packard (Body Wiring).....	325, 335	1918-1919	Bijur
Paige—Detroit	6-38	1917	Gray & Davis
Paige	39	1918-1919	Gray & Davis
Paige	6-55	1919	Remy
Panhard Truck	“A-B”	1919	Autolite
Partin Palmer.....	32	1917	Disco
Peerless	56	1917	Gray & Davis
Peerless	56	1917	Autolite
Peerless	56	1918-1919	Autolite
Phianna .....	.....	1917	W'd Leonard
Pierce-Arrow .....	.....	1919	Westinghouse
Pierce-Arrow Truck	2-Ton	1919	Westinghouse
Pierce-Arrow	All Cars	1916-7-8-9	Westinghouse
Premier	6C & 6B	1918-1919	Delco
Pullman	“4-24”	1918	Splitdorf-Aplco
Regal	J	1917	Heinze
Regal	J	1917	Autolite
Reo	4 & 6, M & N	1917-18-19	Remy
Reo	T & U	1918-1919	Remy
Reo Truck—No 12789 to date	F	1918	Remy
Riker Truck—with headlamps	3 & 4-Ton	.....	Westinghouse
Riker Truck—with Search- lights	3 & 4-Ton	.....	Westinghouse
Roamer .....	.....	1917	Bijur
Roamer Cars 14,005 to 15,736	RA, RAC	1917	Bijur
Roamer Cars—15,737 and up..	“D-4-75,” “C-6-54”	1918-1919	Bijur
Ross	8	1917	Robbins-Meyers
Saxon	4	1917	Wagner
Saxon	6	1916-1917	Detroit
Saxon .....	.....	1916-7-8-9	Wagner
Sayers & Scovill, 6 cyl.....	.....	1916-1917	Delco
Sayers & Scovill.....	6 cyl.	1917-18-19	Delco
Scripps-Booth	“4” & “8”	1916-1917	Wagner
Scripps-Booth	“6-39” & “40”	1918	Remy
Service Truck.....	.....	1917-18-19	Westinghouse
Seneca	D & H	1919	Allis-Chalmers
Simplex	5	.....	Rushmore
Standard	E	1917	Westinghouse

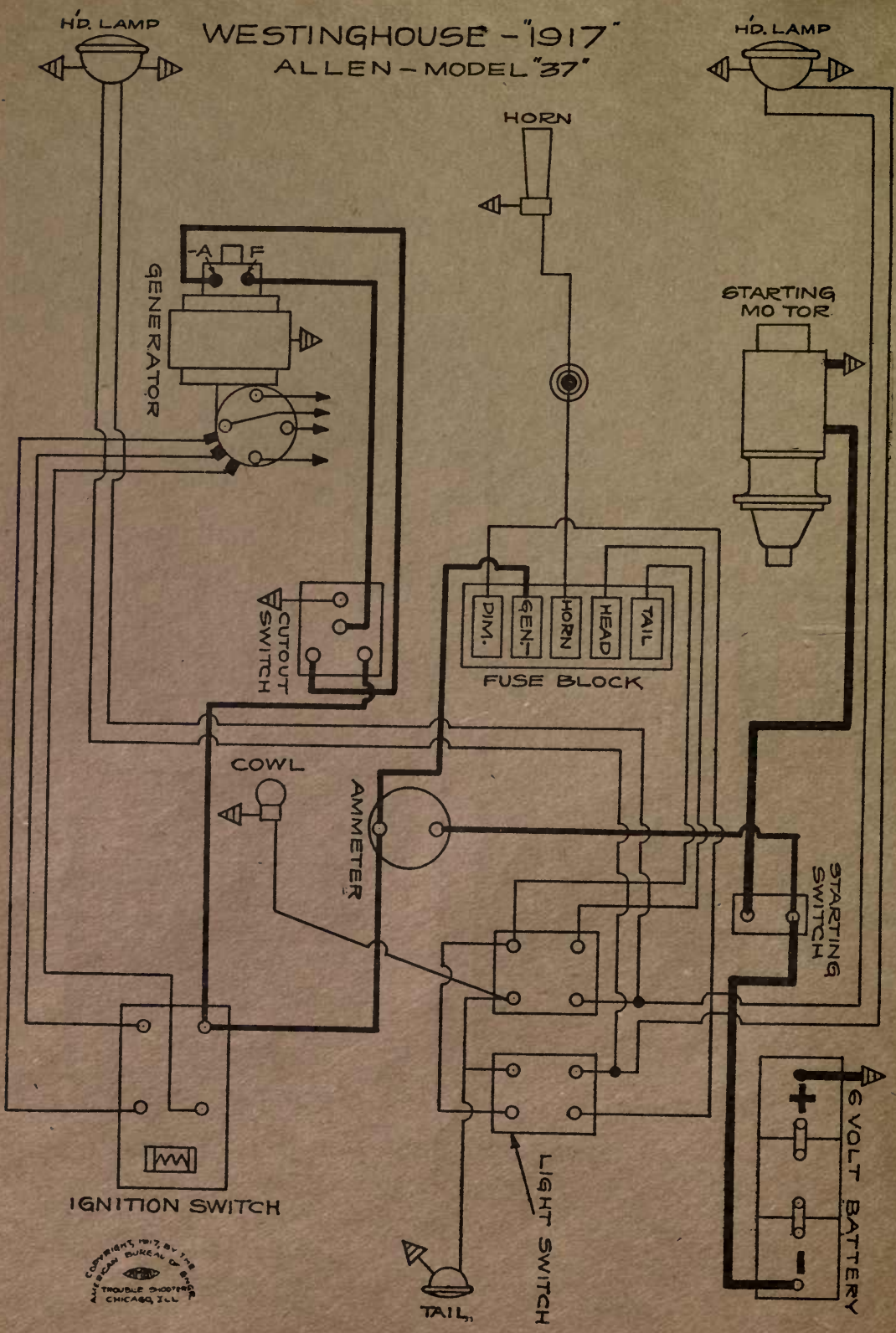
INDEX


NAME OF CAR	MODEL	YEAR	SYSTEM
Standard	"F"	1917	Splitdorf-Apleo
Standard	8	1919	Westinghouse
Stearns-Knight "Four".....	Series 32	1917	Westinghouse
Stearns-Knight "Eight".....	Series 32	1917	Westinghouse
Stephen	60, 65	1917	Autolite
Stephens Salient Six.....	70 & 75	1918-1919	Delco
Stewart .....	.....	1917	Westinghouse
Studebaker .....	.....	1916-17-18	Wagner
Studebaker	4 & 6	1918-1919	Wagner
Stutz .....	.....	1918-1919	Remy
Sun Light Six.....	.....	1917	Remy
Velie	27	1917	Remy
Velie	28	1917	Remy
Velie	38 & 39	1918-1919	Remy
Westcott	17 & 18	1917-18-19	Delco
White .....	.....	1917-1918	Leece-Neville
Winton	22	1916-7-8-9	Bijur
Winton	22A	1916-7-8-9	Bijur
Winton — Body Wiring for Limousine	22 & 22A	1916-7-8-9	Bijur

REMY - "1916-1917" ABBOTT-DETROIT - MODEL 6-44



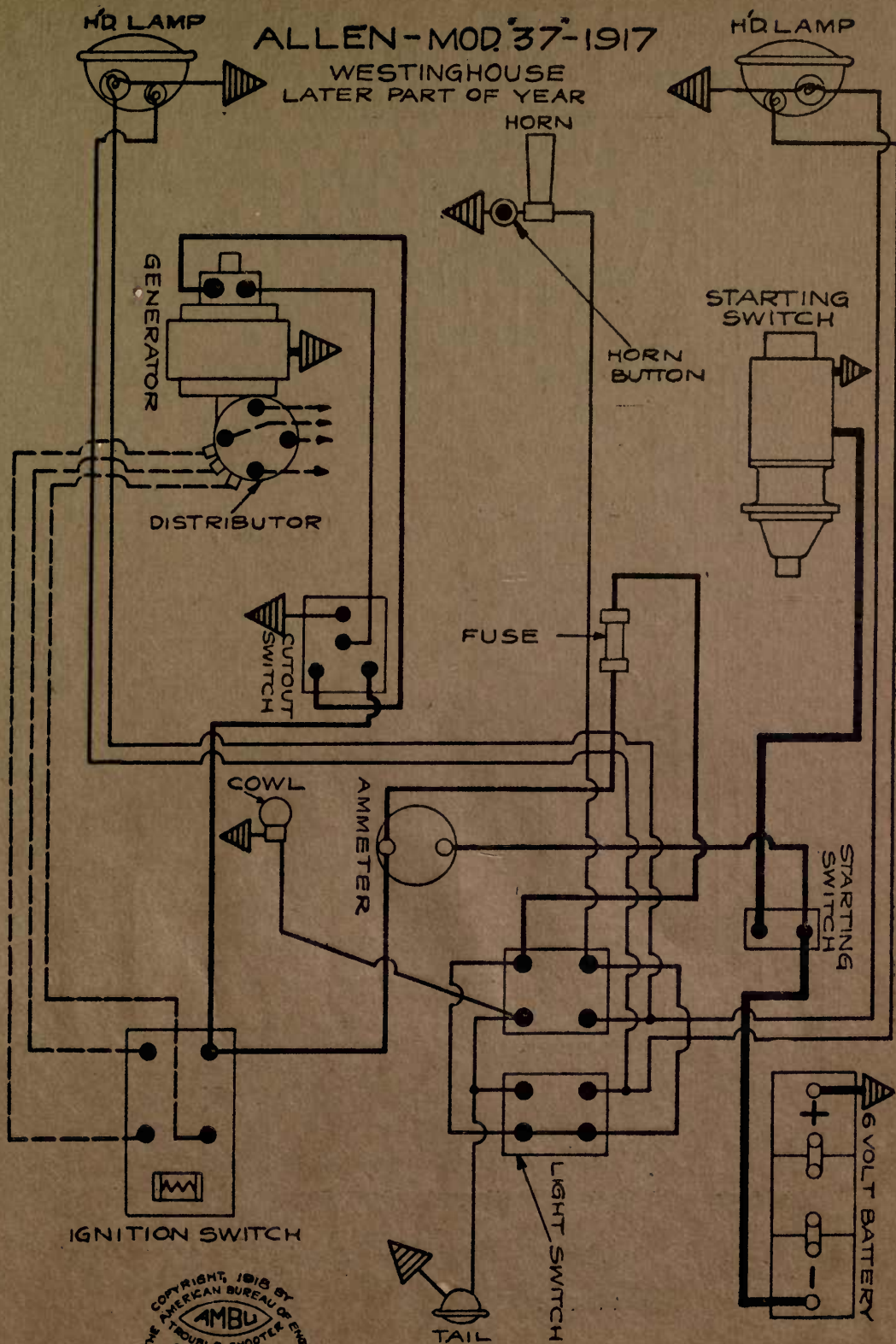
WESTINGHOUSE - "1917" ALLEN - MODEL "37"




 COPYRIGHT, 1917, BY THE
 AMERICAN BUREAU OF STANDARDS
 TROUBLE SHOOTING
 CHICAGO, ILL.

ALLEN - MOD 37 - 1917

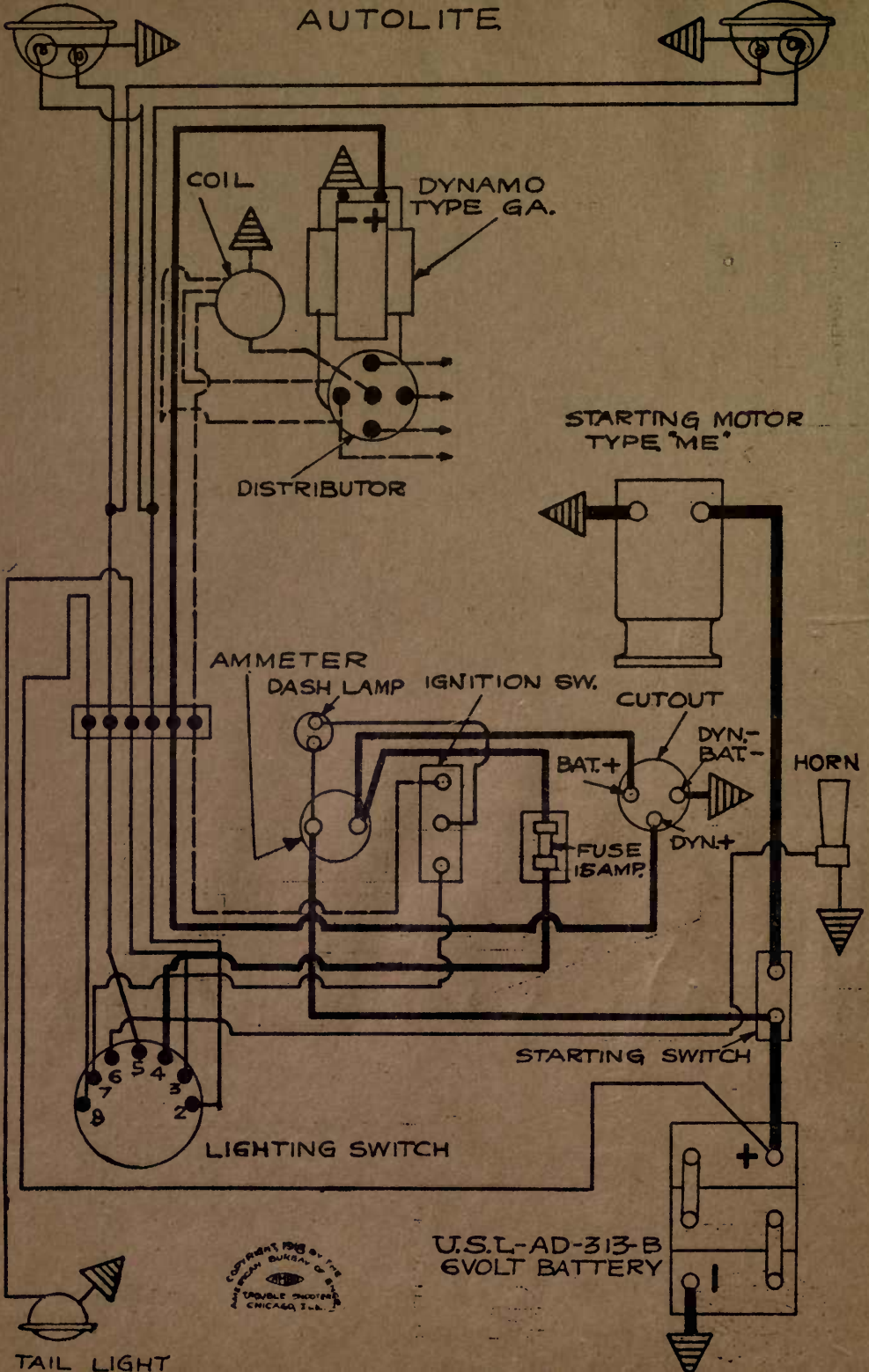
WESTINGHOUSE
LATER PART OF YEAR




H.D. LAMP

ALLEN MOD. 41-1918 & 1919 AUTOLITE

H.D. LAMP



COPYRIGHT 1918 BY THE

 AMERICAN DIVISION OF CHRYSLER
 CHICAGO, ILL.

L.H.D. LAMP

AMERICAN "SIX-MOD. B" - "1918" GRAY & DAVIS

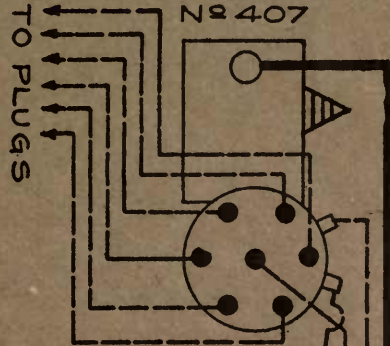
R.H.D. LAMP



HORN



DYNAMO
No 407

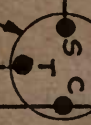


STARTING MOTOR
No 148

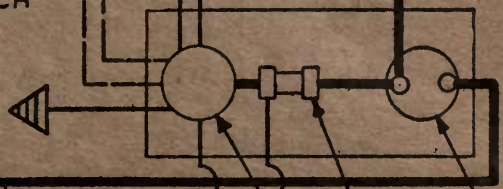


HORN
BUTTON
ON STEER-
-ING COLUMN

IGNITION COIL



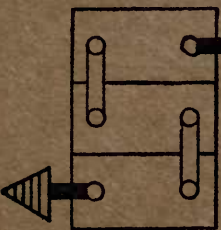
STARTING
SWITCH



AMMETER
FUSE

LIGHTING &
IGNITION SW.

DASH
LAMP



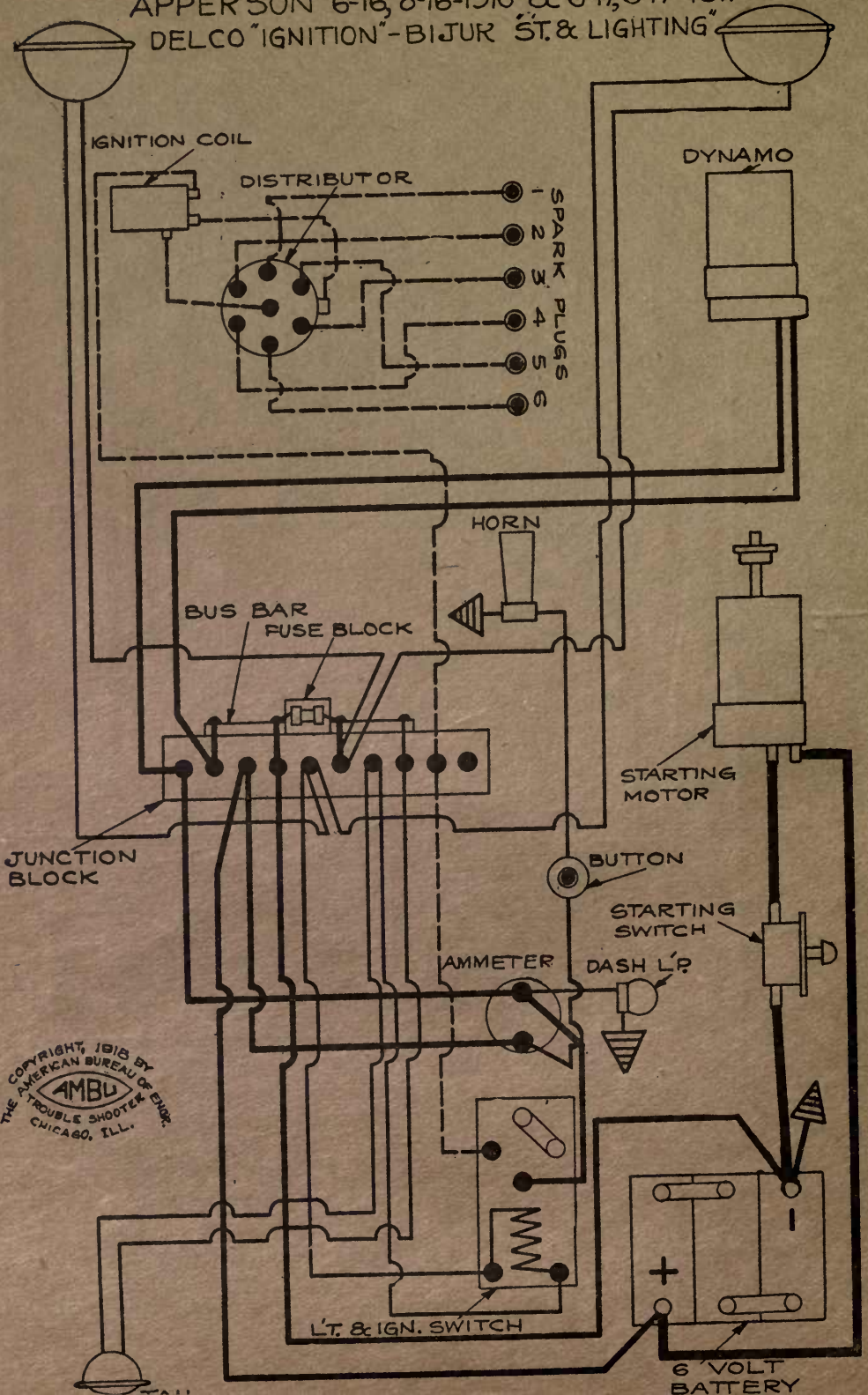
WILLARD SL4
6 VOLT
BATTERY



TAIL

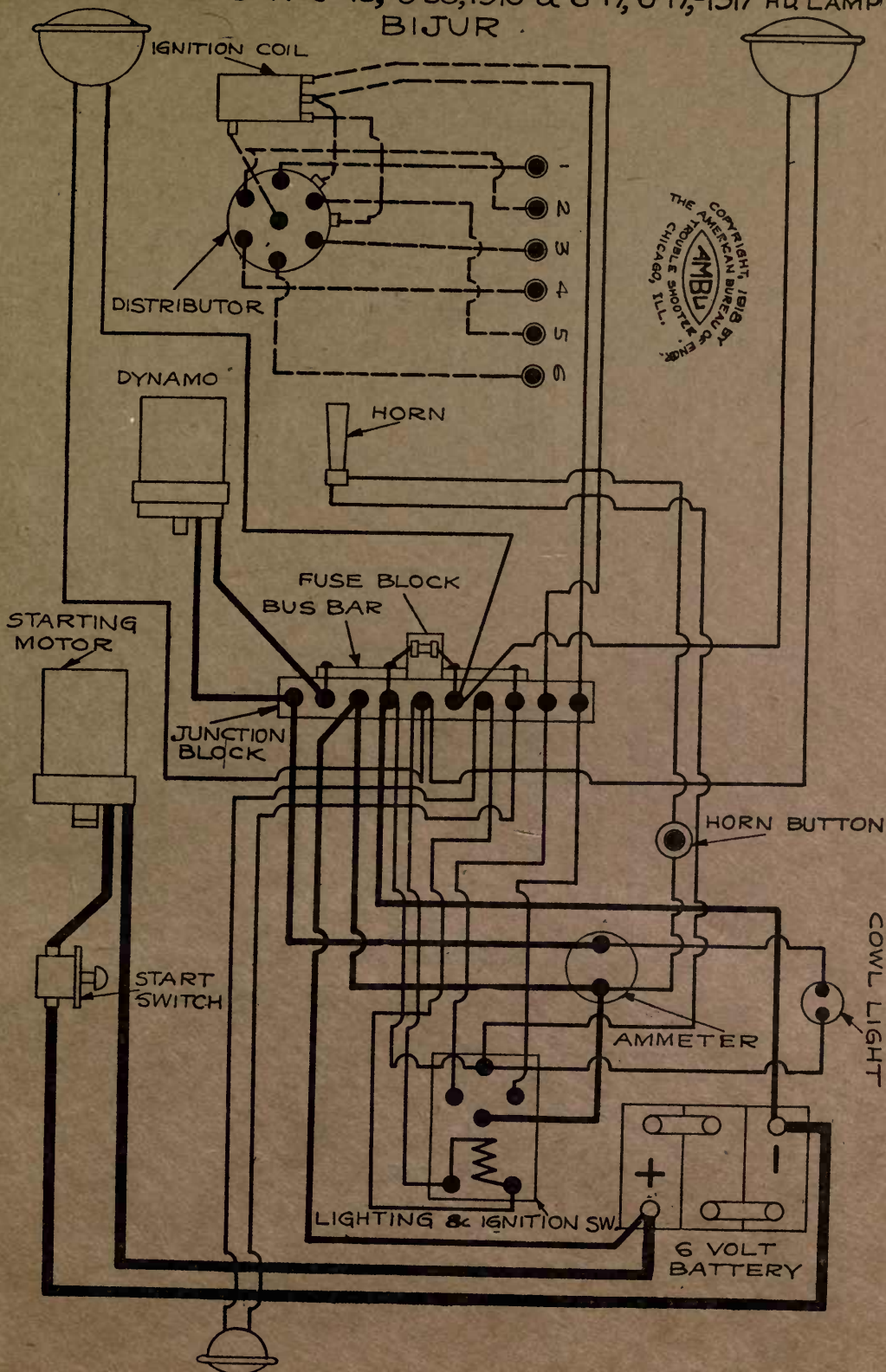
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

APPERSON 6-16, 8-16-1916 & 6-17, 8-17-1917
 DELCO "IGNITION"-BIJUR ST. & LIGHTING



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
 AMBU
 TROUBLE SHOOTERS
 CHICAGO, ILL.

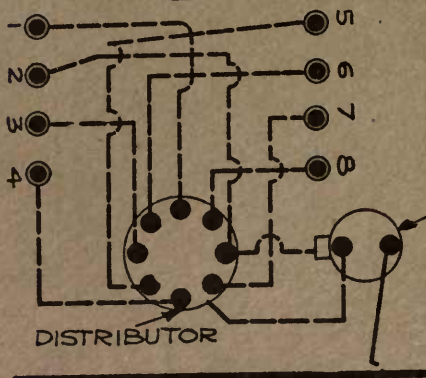
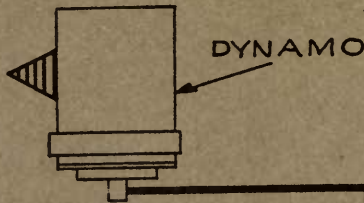
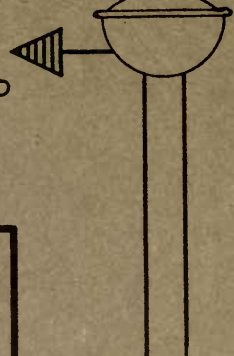
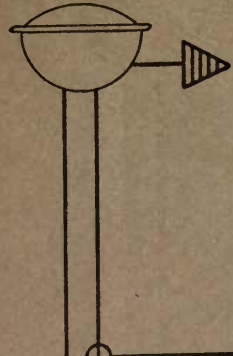
Hd. LAMP APPERSON '6-48', '8-58', 1916 & 6-17, 8-17, 1917 Hd. LAMP
BIJUR



APPERSON "8-18-A" 1918 & 1919
BIJUR

H.D. LAMP

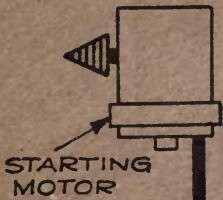
H.D. LAMP



IGNITION COIL

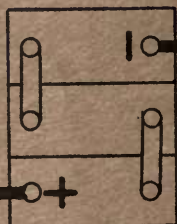
DISTRIBUTOR

JUNCTION BL'K.



STARTING SWITCH

DASH



6 VOLT BATTERY

LIGHTING & IGNITION SW.

AMMETER

TONNEAU LIGHT

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF
ELECTRICITY
CHICAGO, ILL.

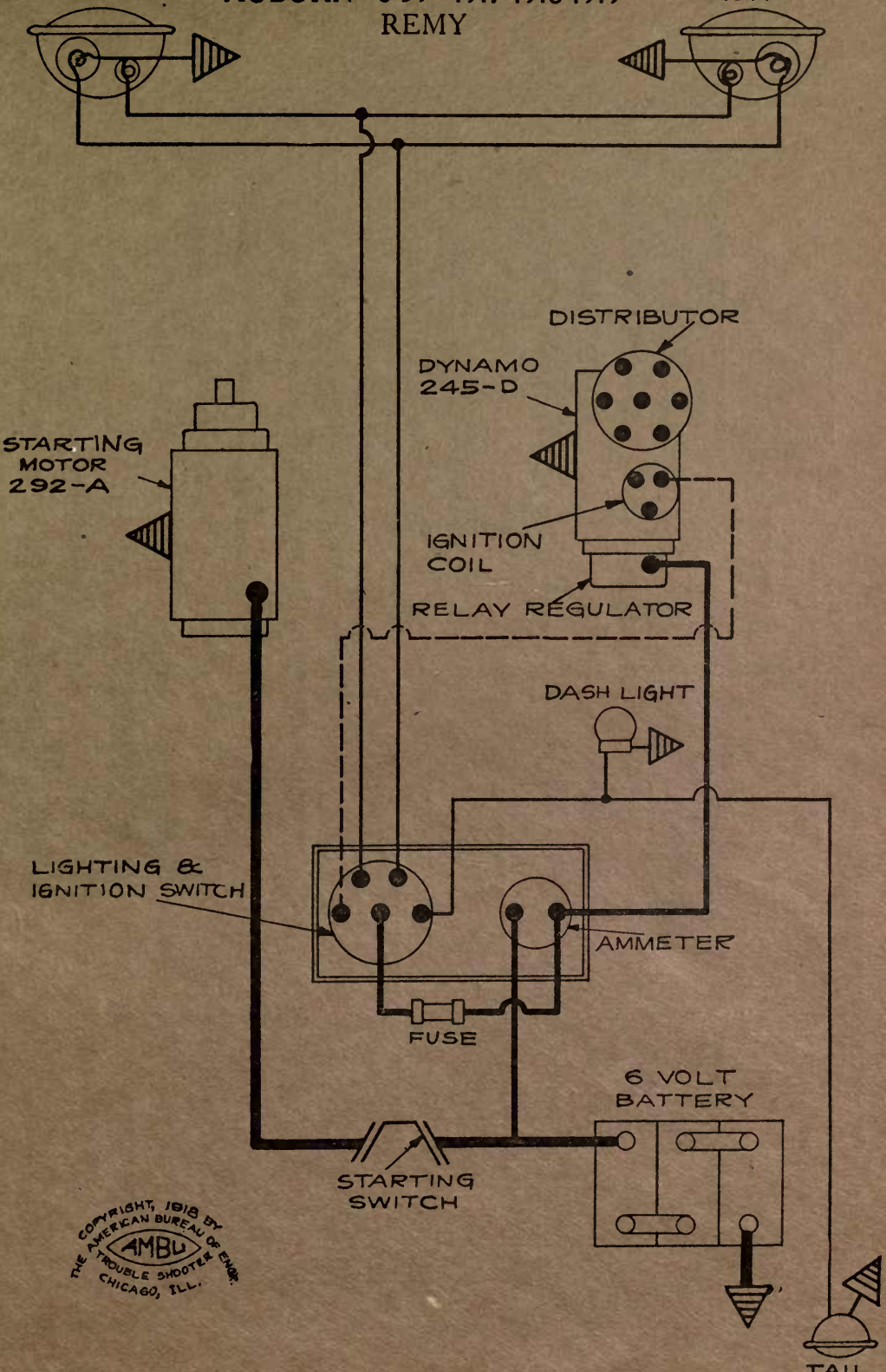


TAIL

HQ LAMP

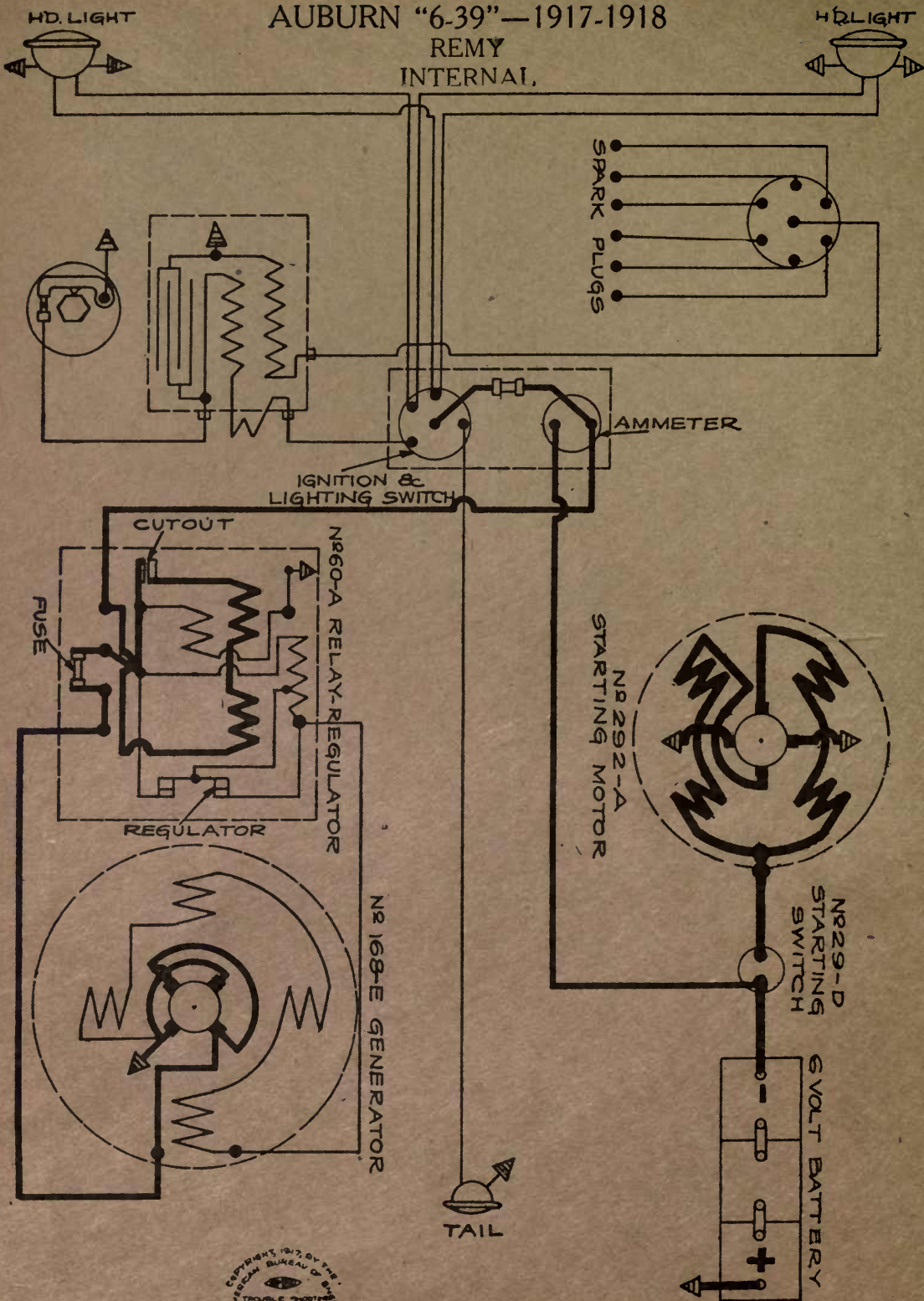
AUBURN "6-39" 1917-1918-1919 REMY

HQ LAMP



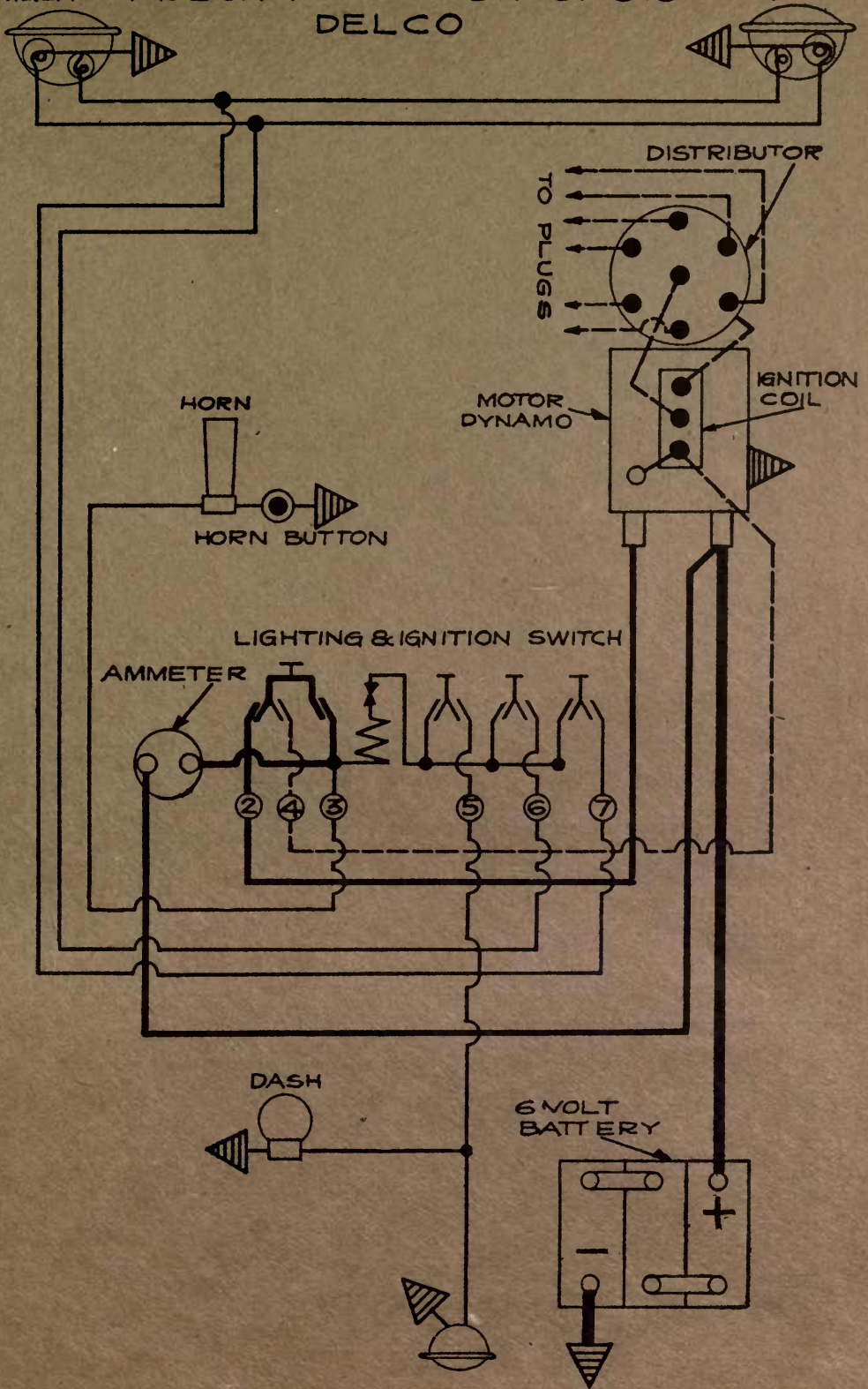
COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 TROUBLE SHOOTER
 CHICAGO, ILL.

AUBURN "6-39"—1917-1918
REMY
INTERNAL.



HRLAMP AUBURN '6-44'-1917 & 1918
DELCO

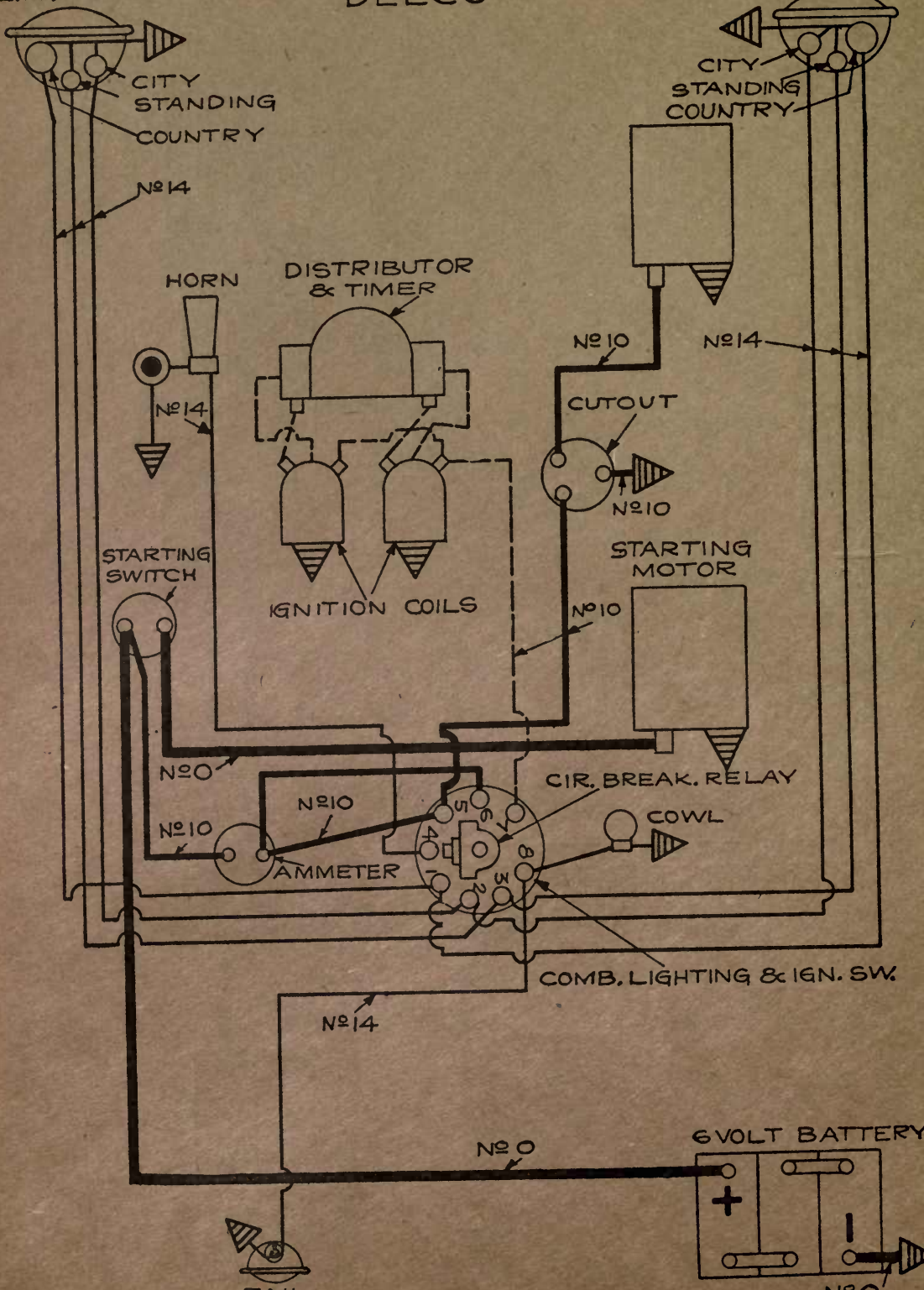
HD LAMP



AUSTIN -12 CYL. 1917 & 1918 DELCO

L. HD. LAMPS

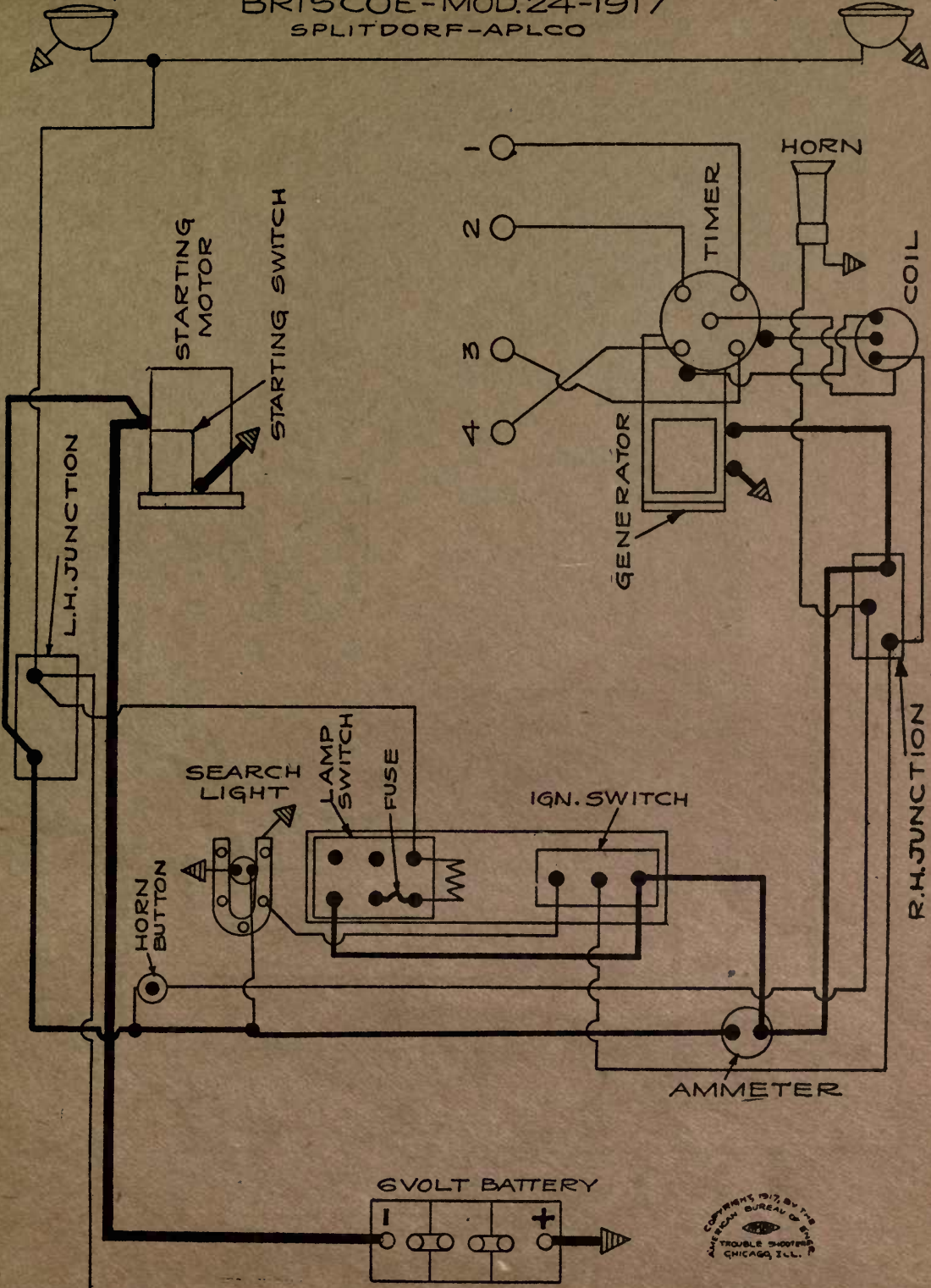
R. HD. LAMPS



HD. LIGHT

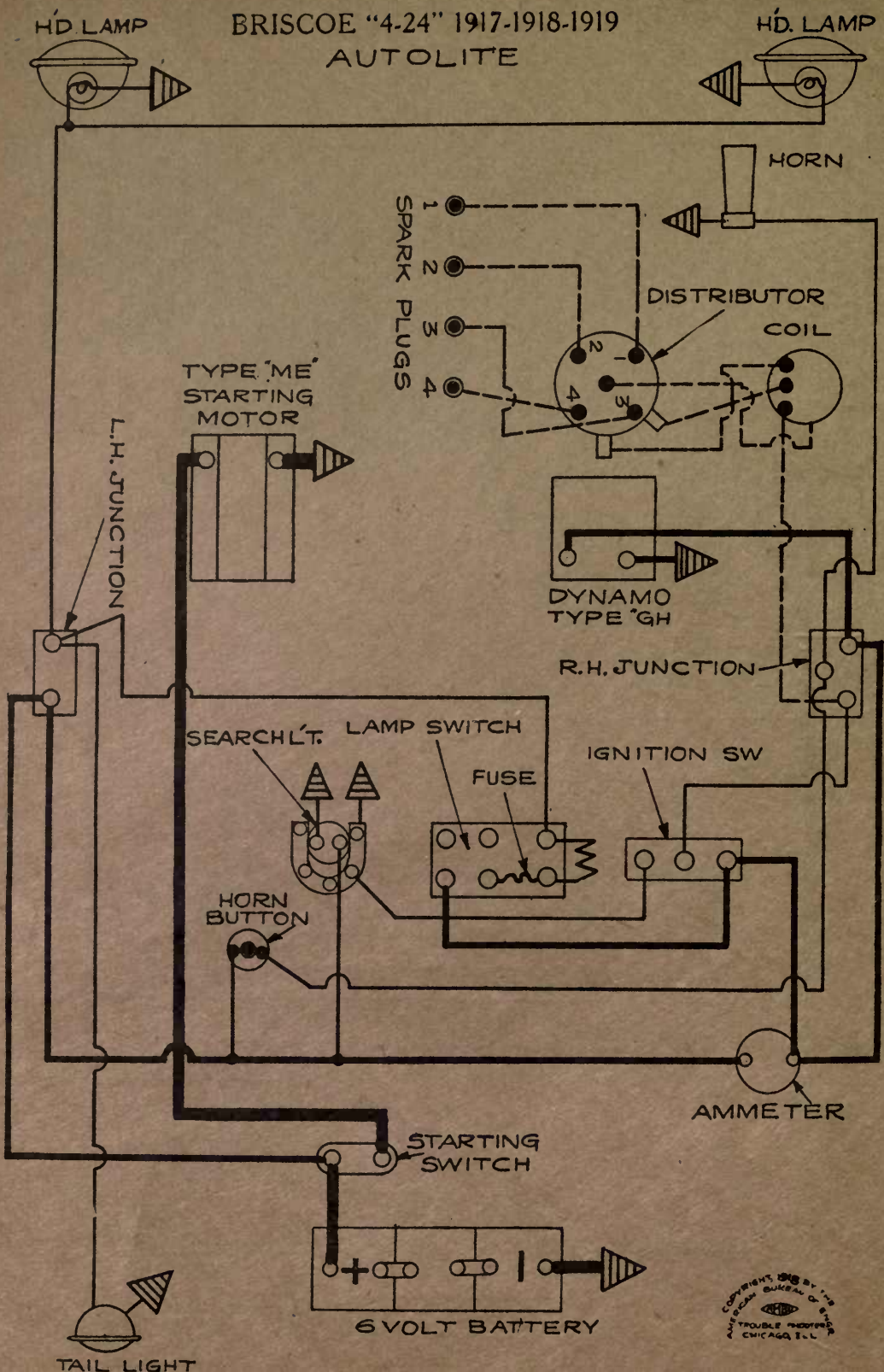
BRISCOE-MOD.24-1917
SPLITDORF-APLCO

HD. LIGHT



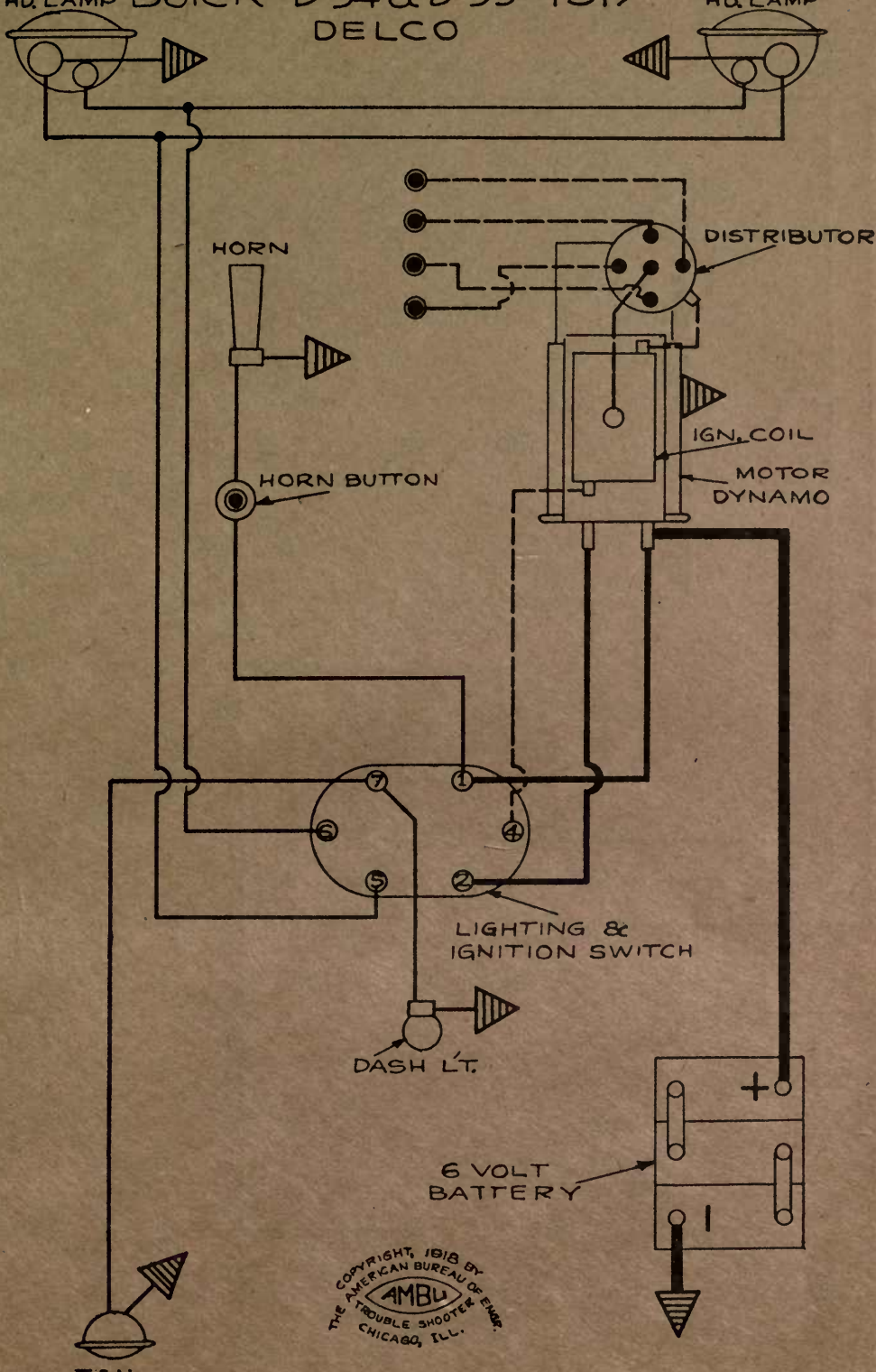
COPYRIGHT 1917 BY THE
 AMERICAN BUREAU OF STANDARDS
 TROUBLE SHOOTING
 CHICAGO, ILL.

BRISCOE "4-24" 1917-1918-1919
AUTOLITE



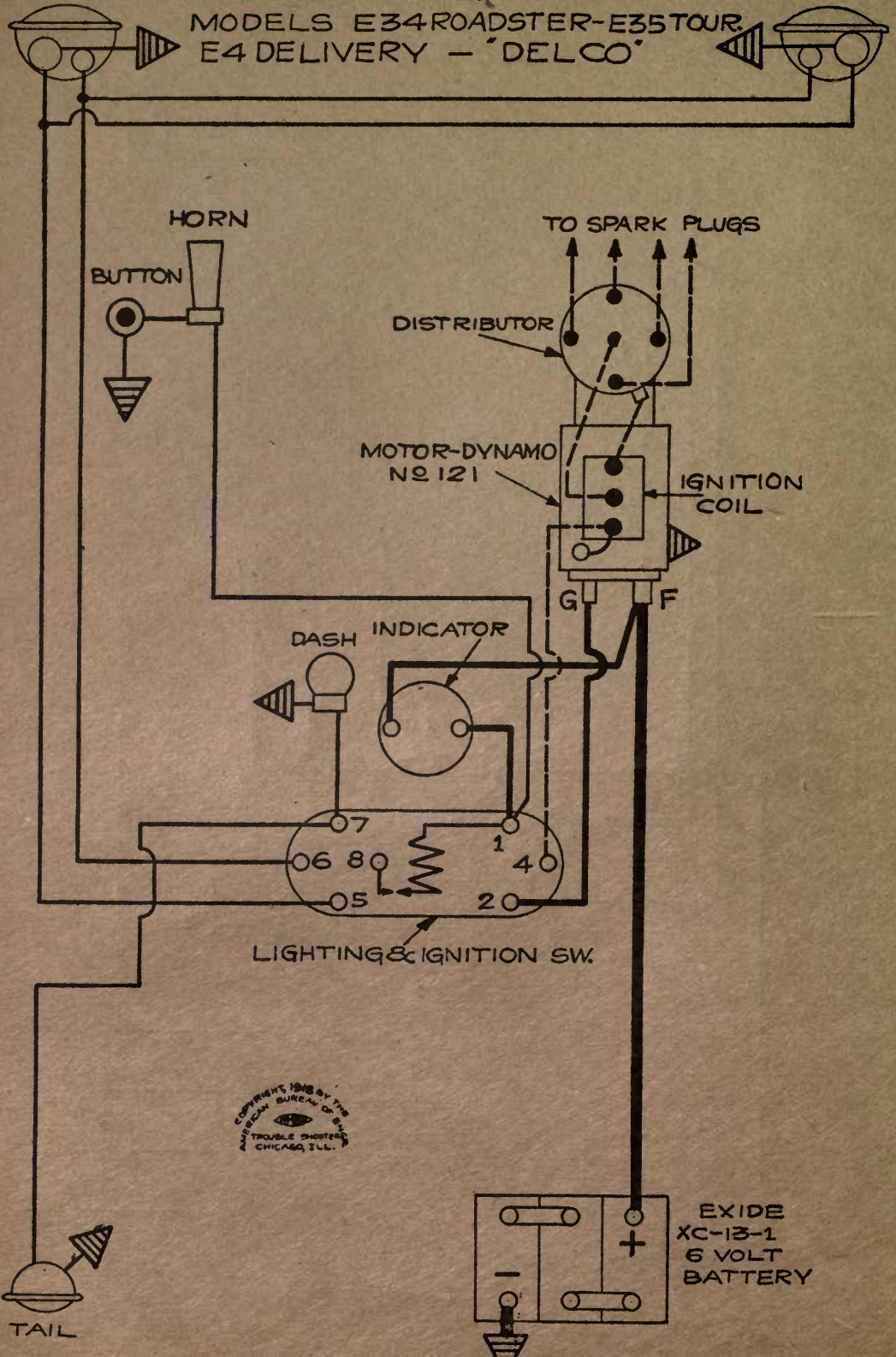
HD. LAMP BUICK "D-34" & "D-35" 1917
DELCO

HD. LAMP



COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
TROUBLE SHOOTER & ENGINEER
CHICAGO, ILL.

BUICK-4CYL.-1918
MODELS E34 ROADSTER-E35 TOUR.
E4 DELIVERY - "DELCO"



COPYRIGHT, 1918 BY THE
AMERICAN BUREAU OF THE
TROUBLE SHOOTER,
CHICAGO, ILL.

EXIDE
XC-13-1
6 VOLT
BATTERY

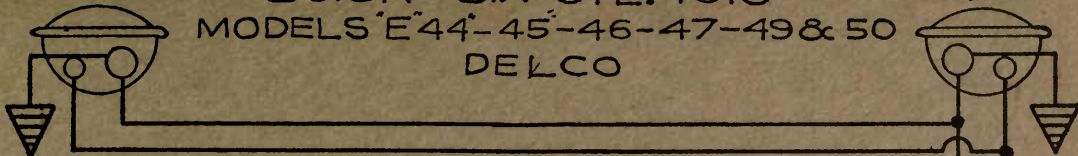
L. HD. LAMP

BUICK - SIX CYL. 1918

R. HD. LAMP

MODELS 'E' 44-45-46-47-49 & 50

DELCO



HORN



HORN BUTTON

DISTRIBUTOR

TO SPARK PLUGS



MOTOR-DYNAMO
No 117

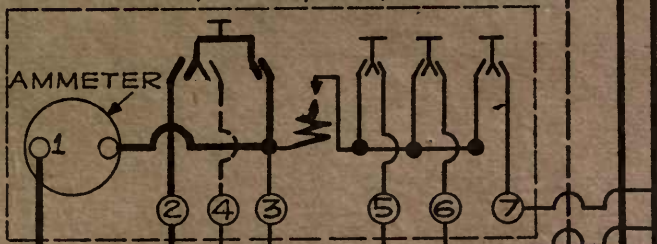
IGN. COIL

G

F

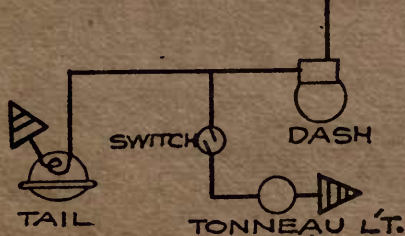
LIGHTING & IGNITION SW.

AMMETER

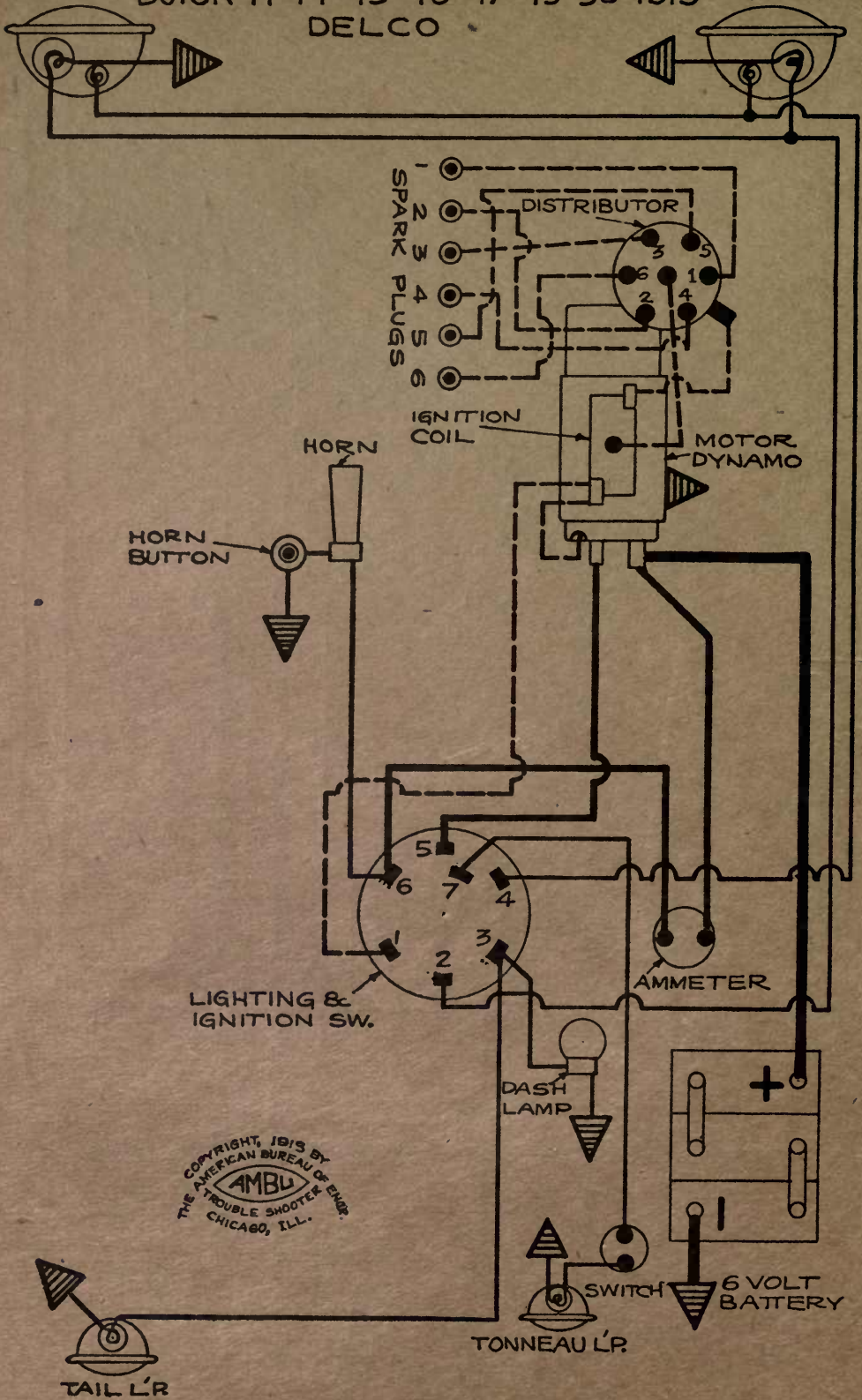


COPYRIGHT, 1918 BY THE
 AMERICAN BUREAU OF
 TROUBLE SHOOTING
 CHICAGO, ILL.

EXIDE
 XC-13-1
 6 VOLT
 BATTERY

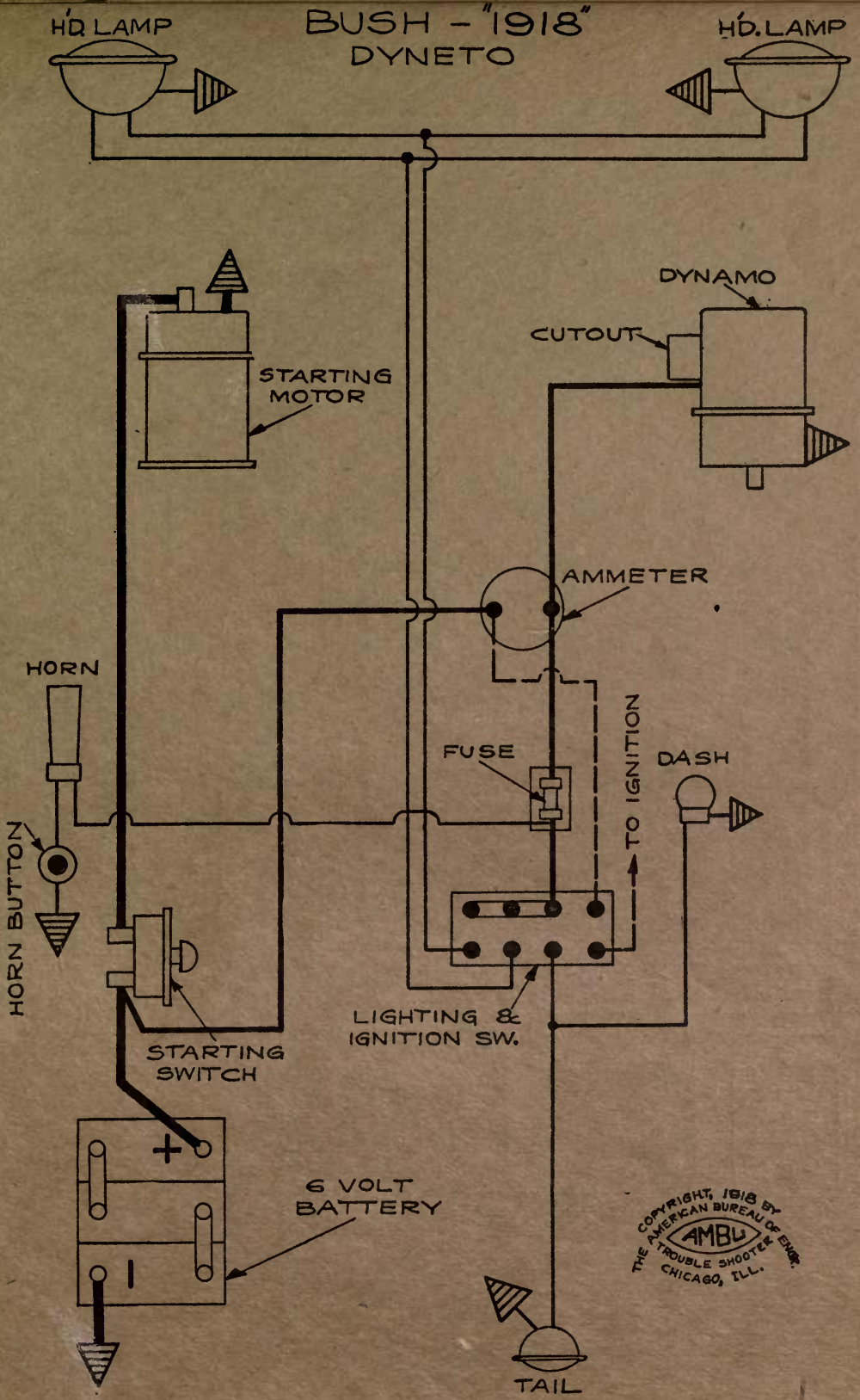


HD. LAMP BUICK 'H-44-45-46-47-49-50-1919 HD. LAMP
DELCO



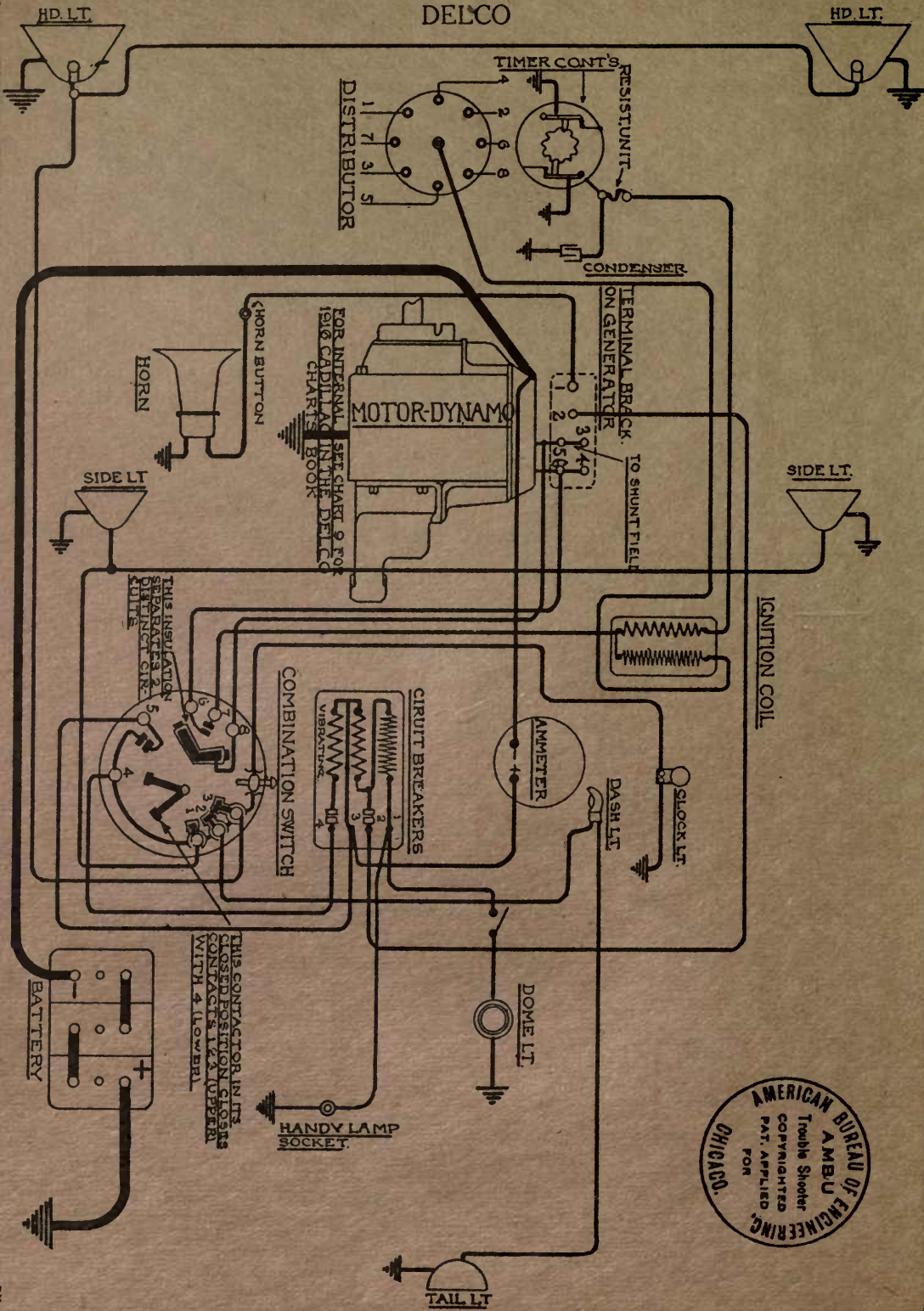
COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

BUSH - "1918" DYNETO

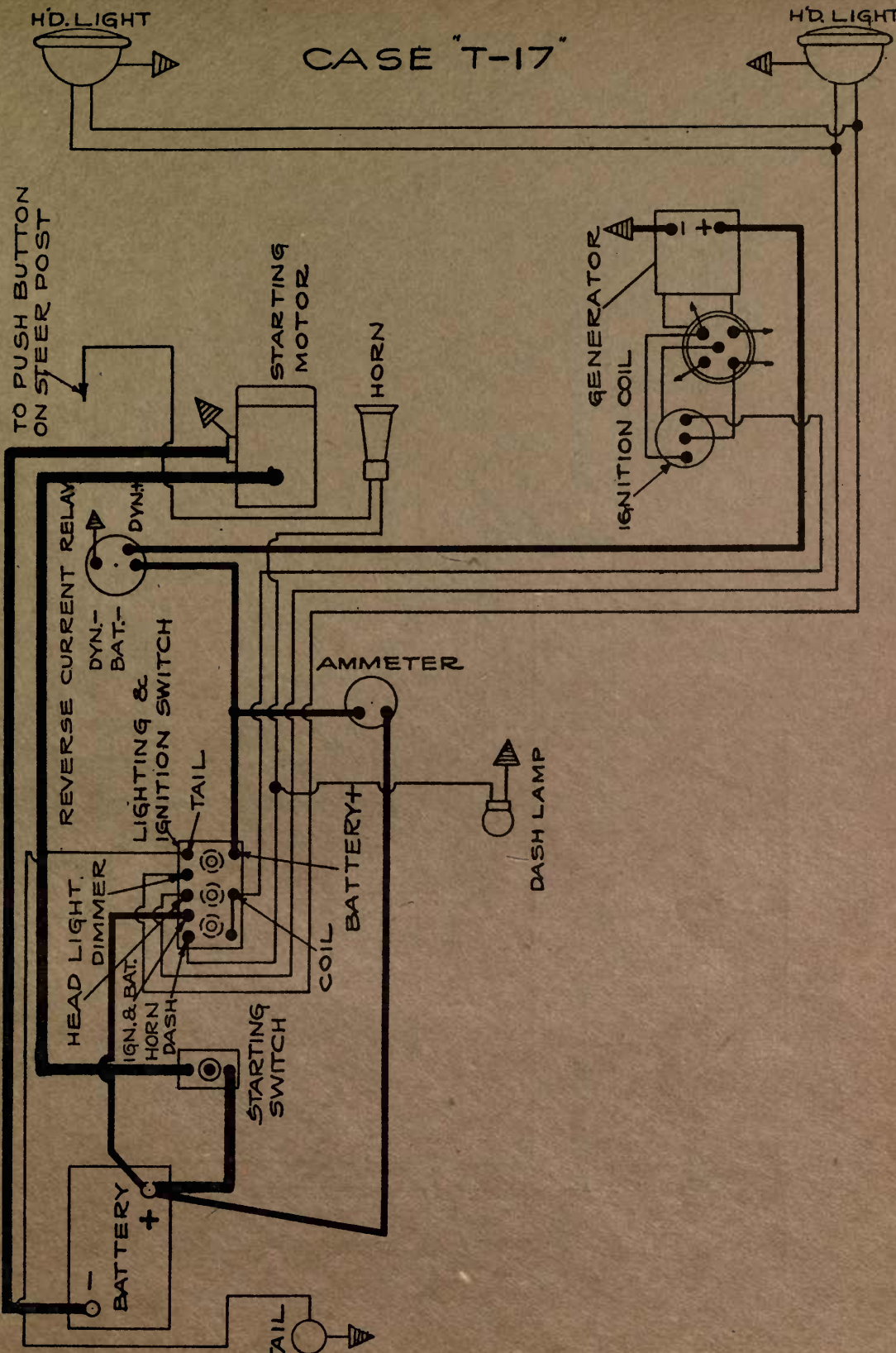


COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
AMBL
TROUBLE SHOOTER
CHICAGO, ILL.

DELCO



CASE "T-17"



L.H.D. LAMP

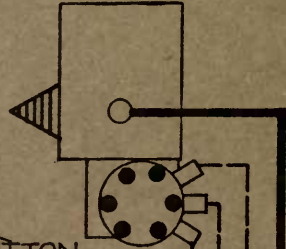
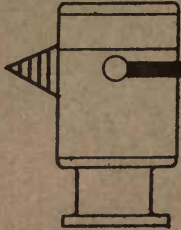
CASE U18—1918-1919
WESTINGHOUSE

R.H.D. LAMP



STARTING MOTOR
TYPE N 2 710

DYNAMO
TYPE N 2 760



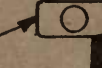
HORN



BUTTON
ON STEERING
COLUMN



STARTING
SWITCH



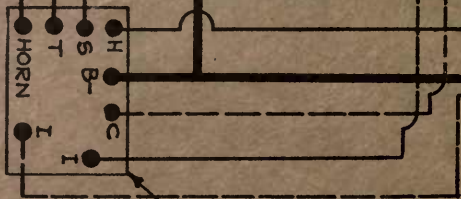
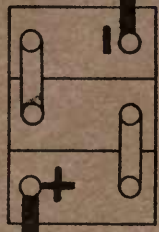
AMMETER



COWL



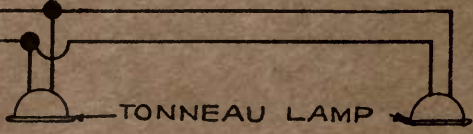
S.J.W. 4
16 VOLT W.I.L.L.
BATTERY



STEERING POST SWITCH



TONNEAU LAMP



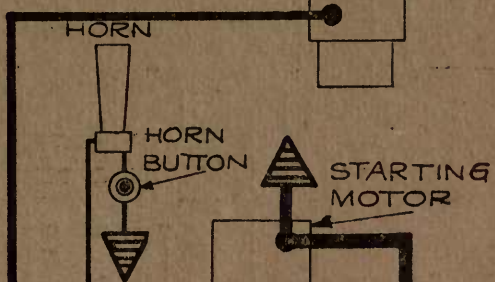
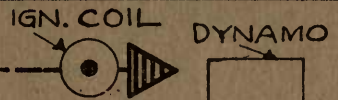
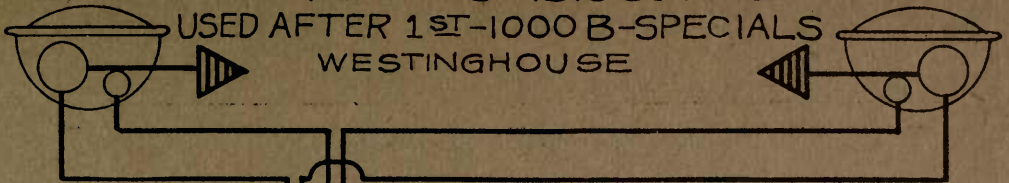
TAIL



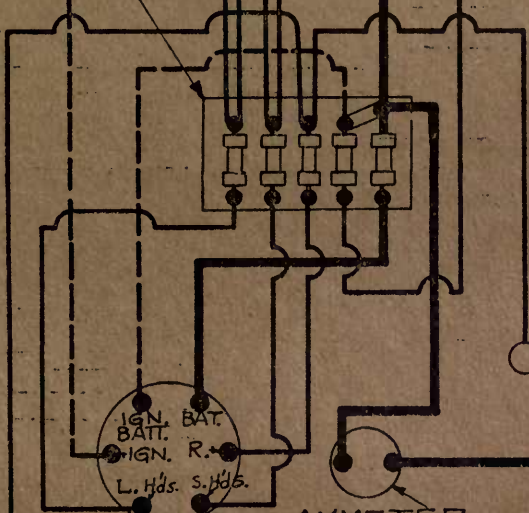
HD. LAMP

CHALMERS "1918 & 1919" USED AFTER 1ST-1000 B-SPECIALS WESTINGHOUSE

HD. LAMP



FUSE BLOCK

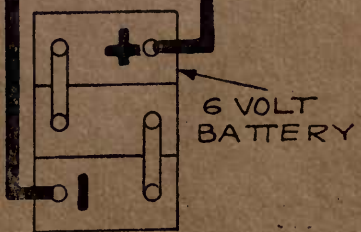


AMMETER

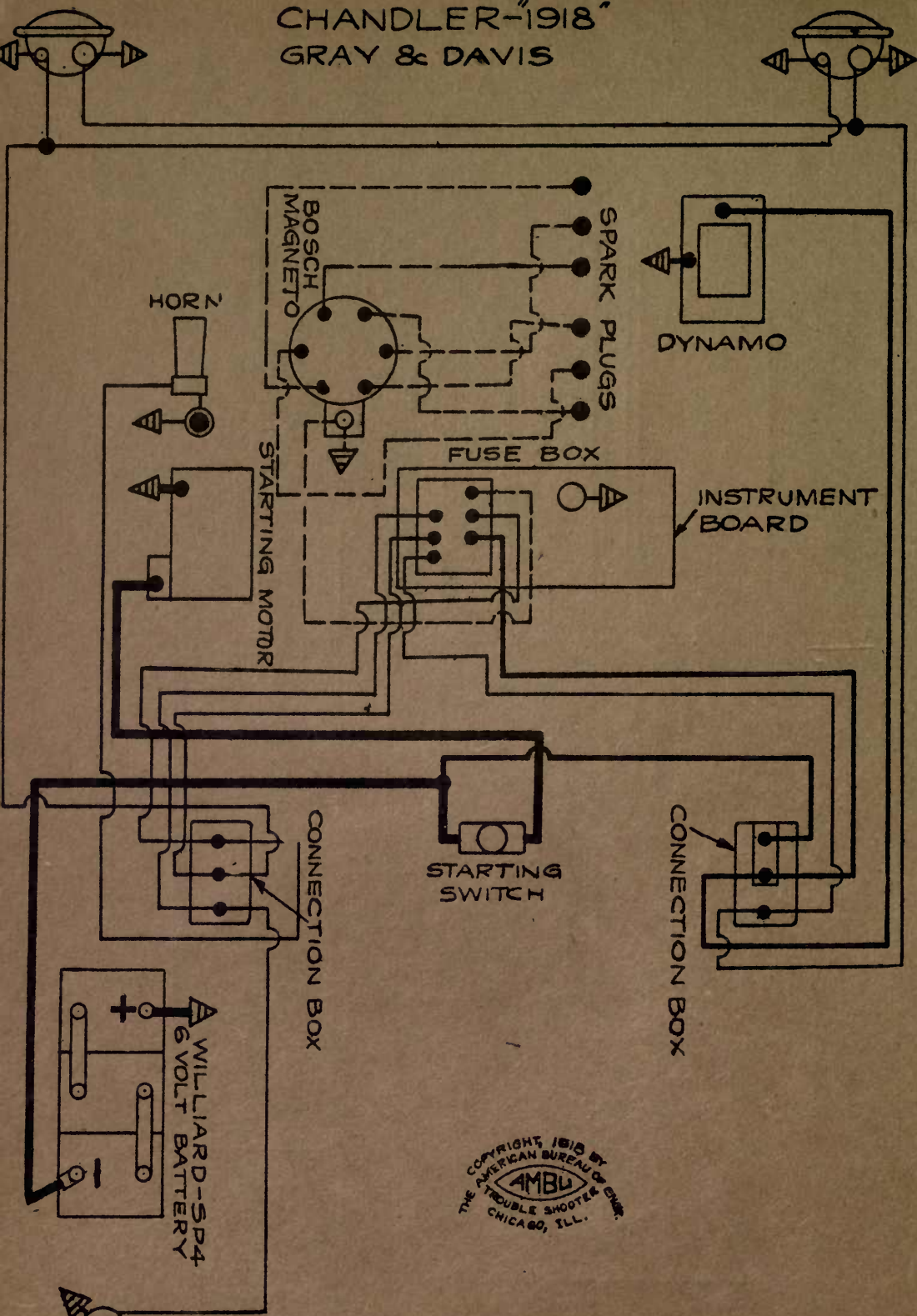


IGNITION &
LIGHT SWITCH

COPYRIGHT, 1913 BY
THE AMERICAN BUREAU OF ENGINEERS
AMBUE
TROUBLE SHOOTER & ENGINEER
CHICAGO, ILL.



CHANDLER "1918" GRAY & DAVIS

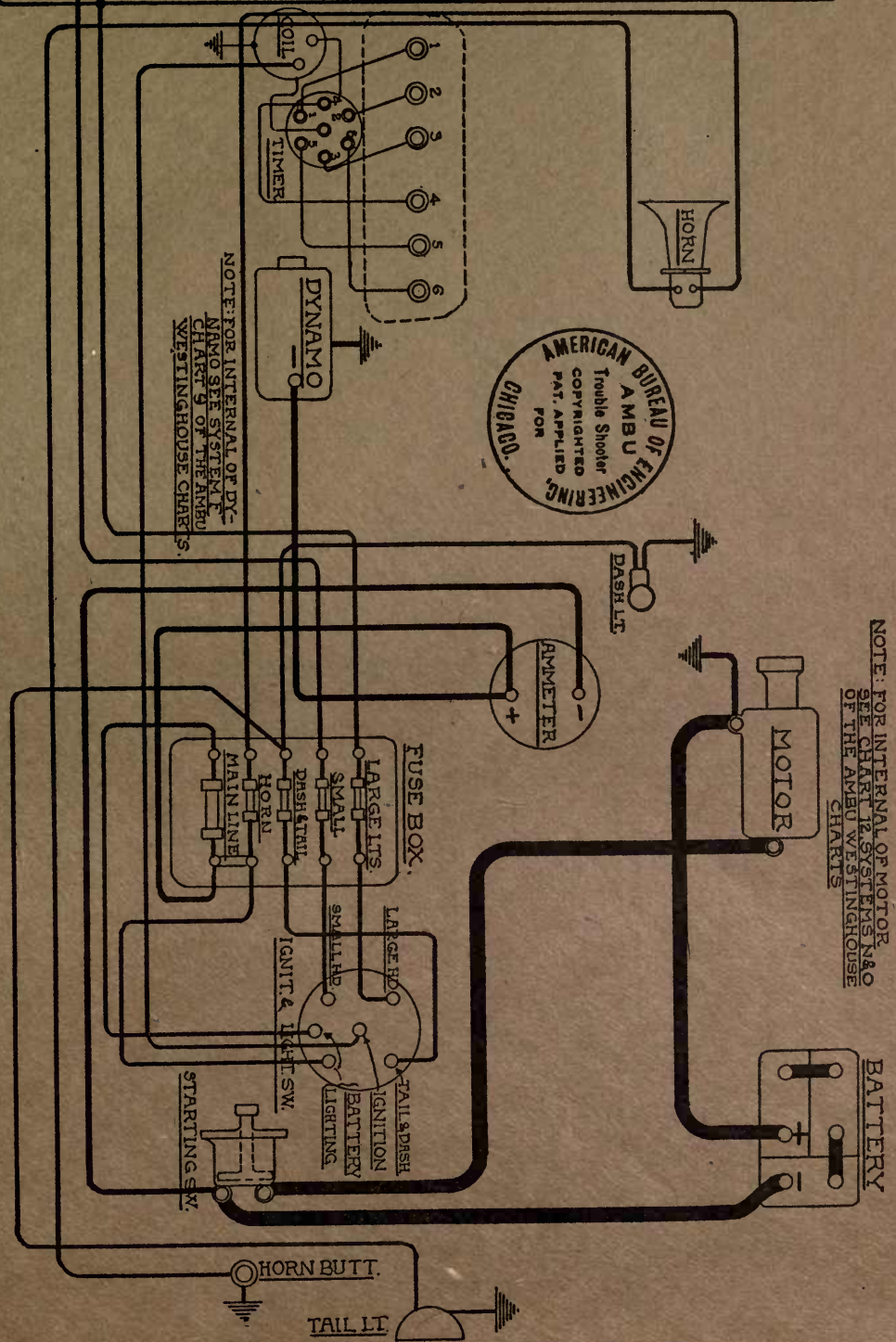
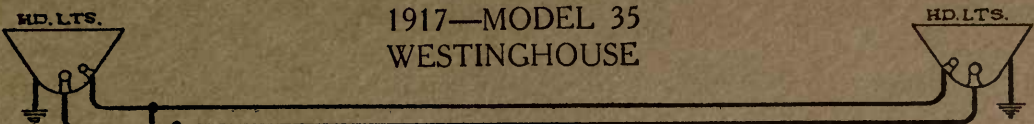


COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF CAR
TRUBLE SHOOTER & CLUB
CHICAGO, ILL.

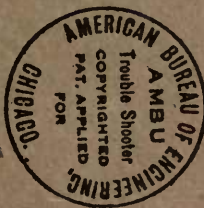
CHALMERS SIX 30

1917—MODEL 35

WESTINGHOUSE



NOTE: FOR INTERNAL OF DY-
NAMO SEE SYSTEM OF
CHART 9 OF THE AMBU
WESTINGHOUSE CHARTS.



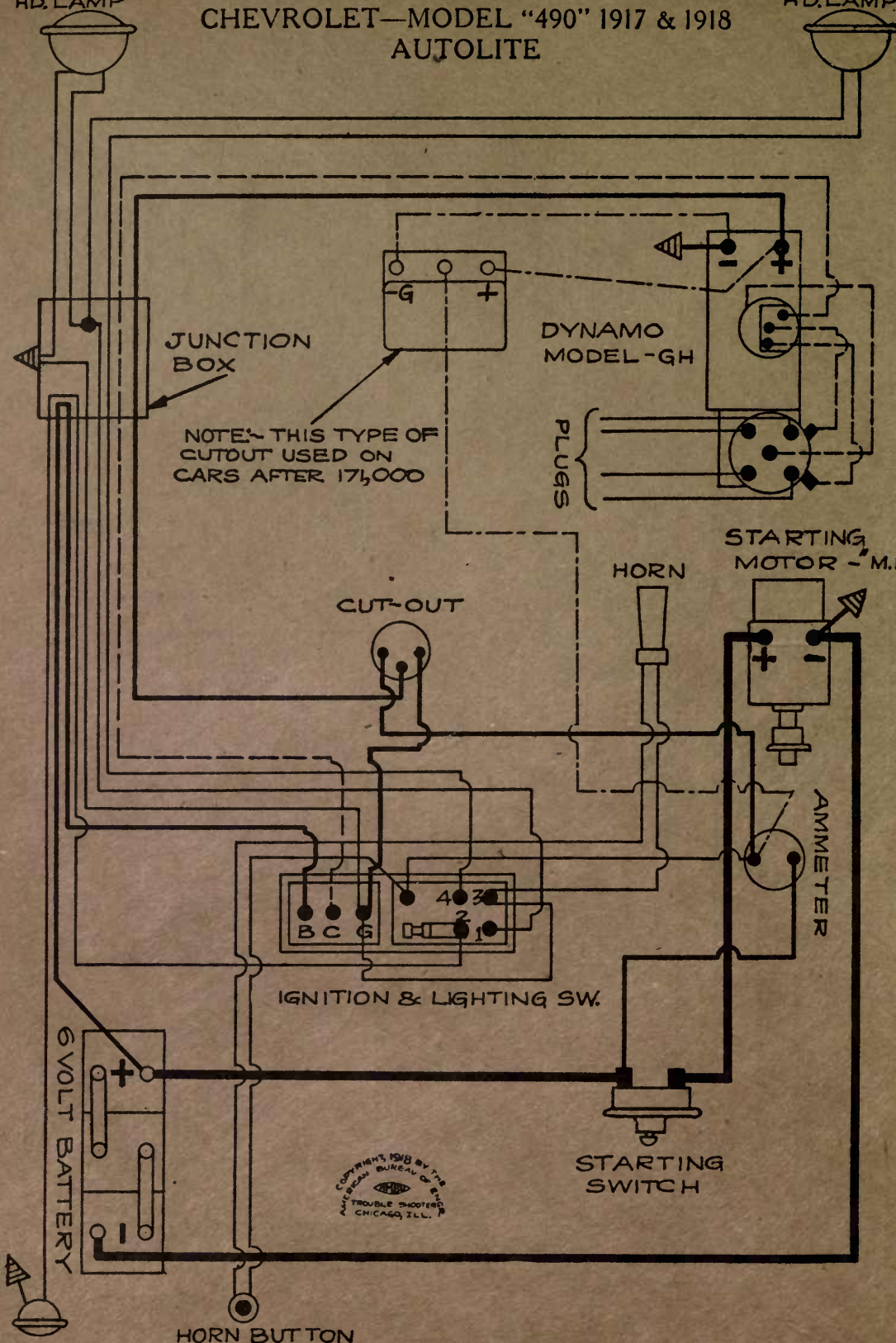
NOTE: FOR INTERNAL OF MOTOR,
SEE CHART 12 SYSTEMS IN A O
OF THE AMBU WESTINGHOUSE
CHARTS

BATTERY

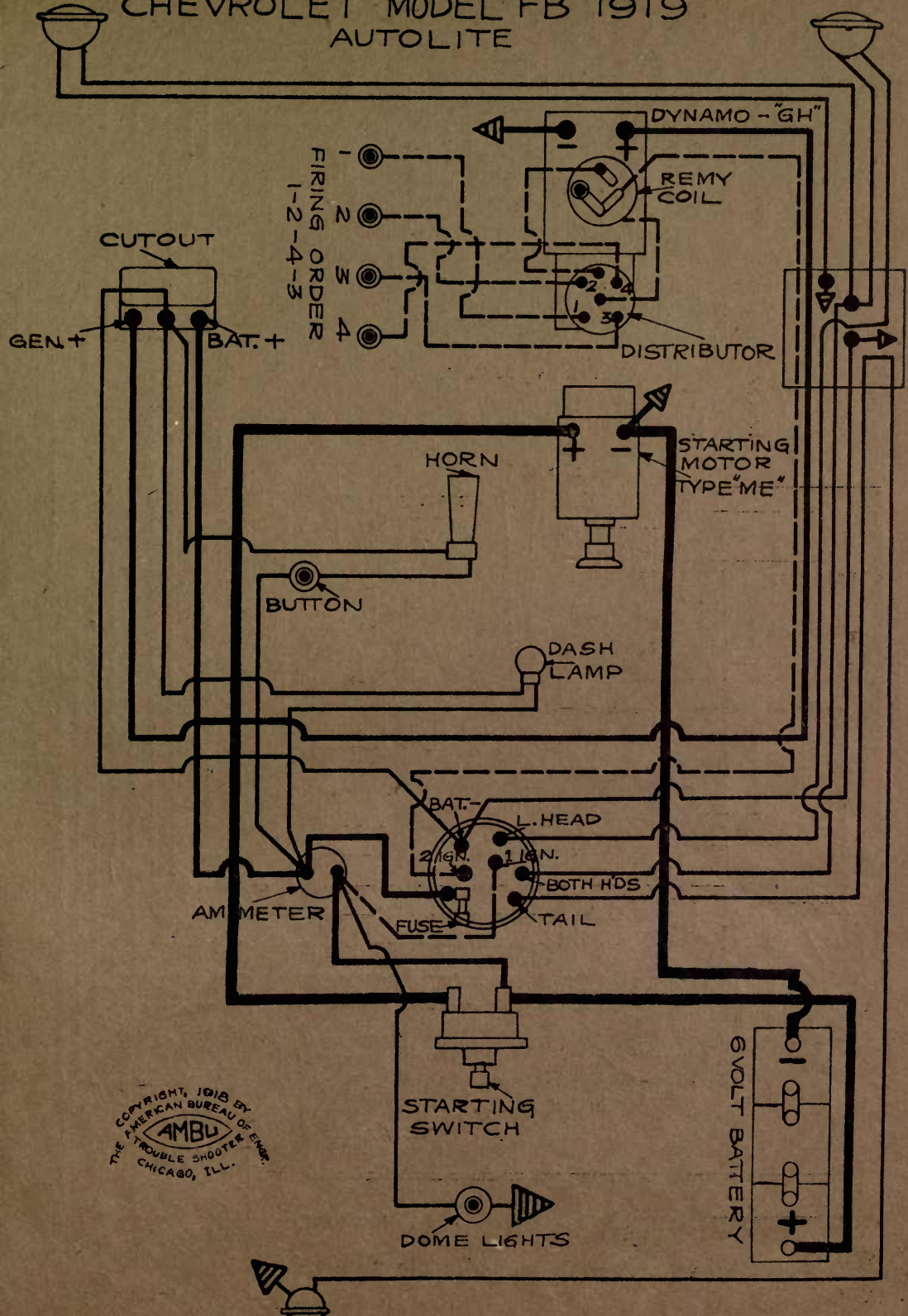
H.D. LAMP

CHEVROLET—MODEL "490" 1917 & 1918 AUTOLITE

H.D. LAMP

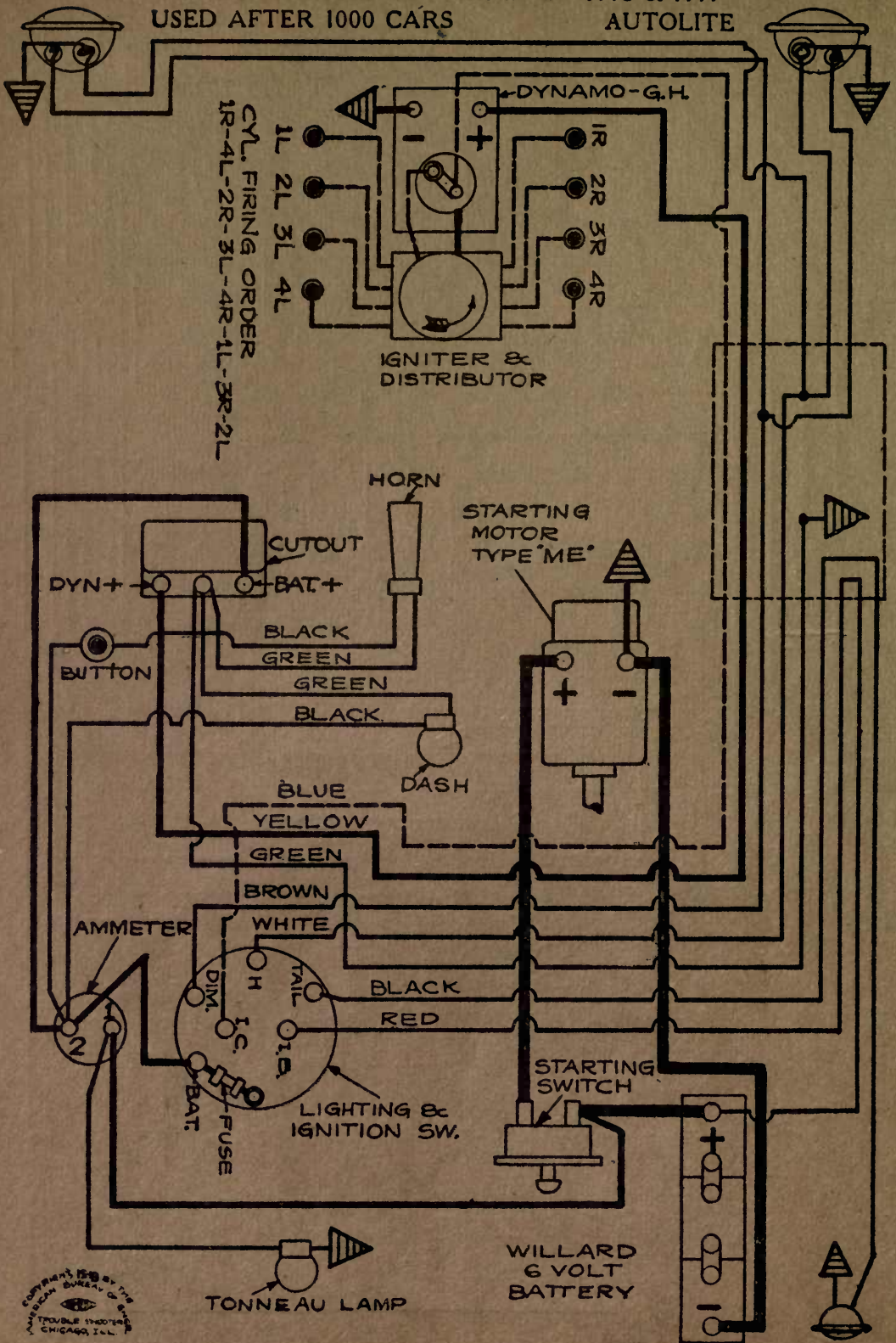


CHEVROLET MODEL "FB" 1919 AUTOLITE



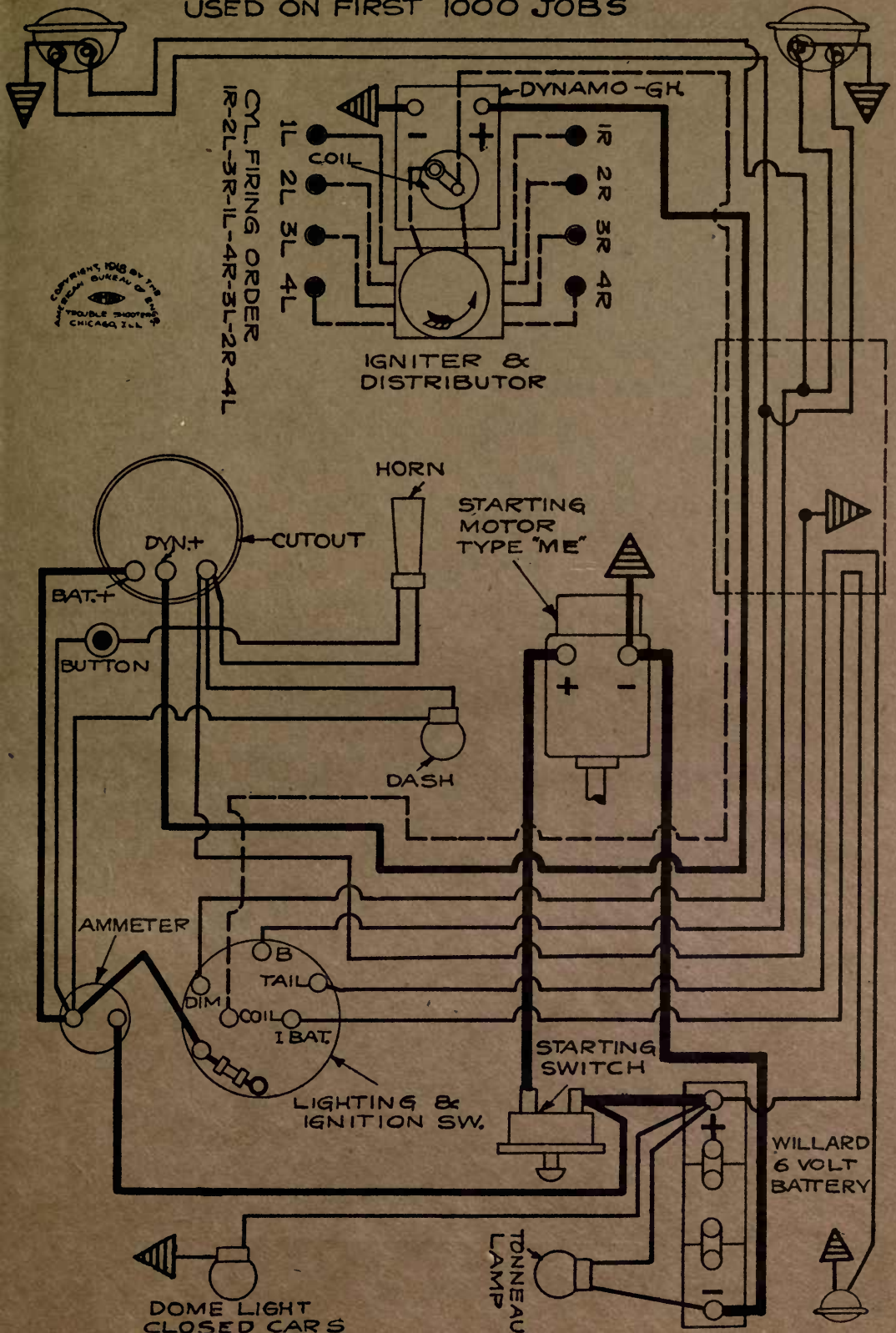
COPYRIGHT, 1918 BY
AMBU
 THE AMERICAN BUREAU OF ENGINE
 TROUBLE SHOOTER & EXPERT
 CHICAGO, ILL.

CHEVROLET 8 CYL. Mod. "D" 1918 & 1919
 USED AFTER 1000 CARS
 AUTOLITE

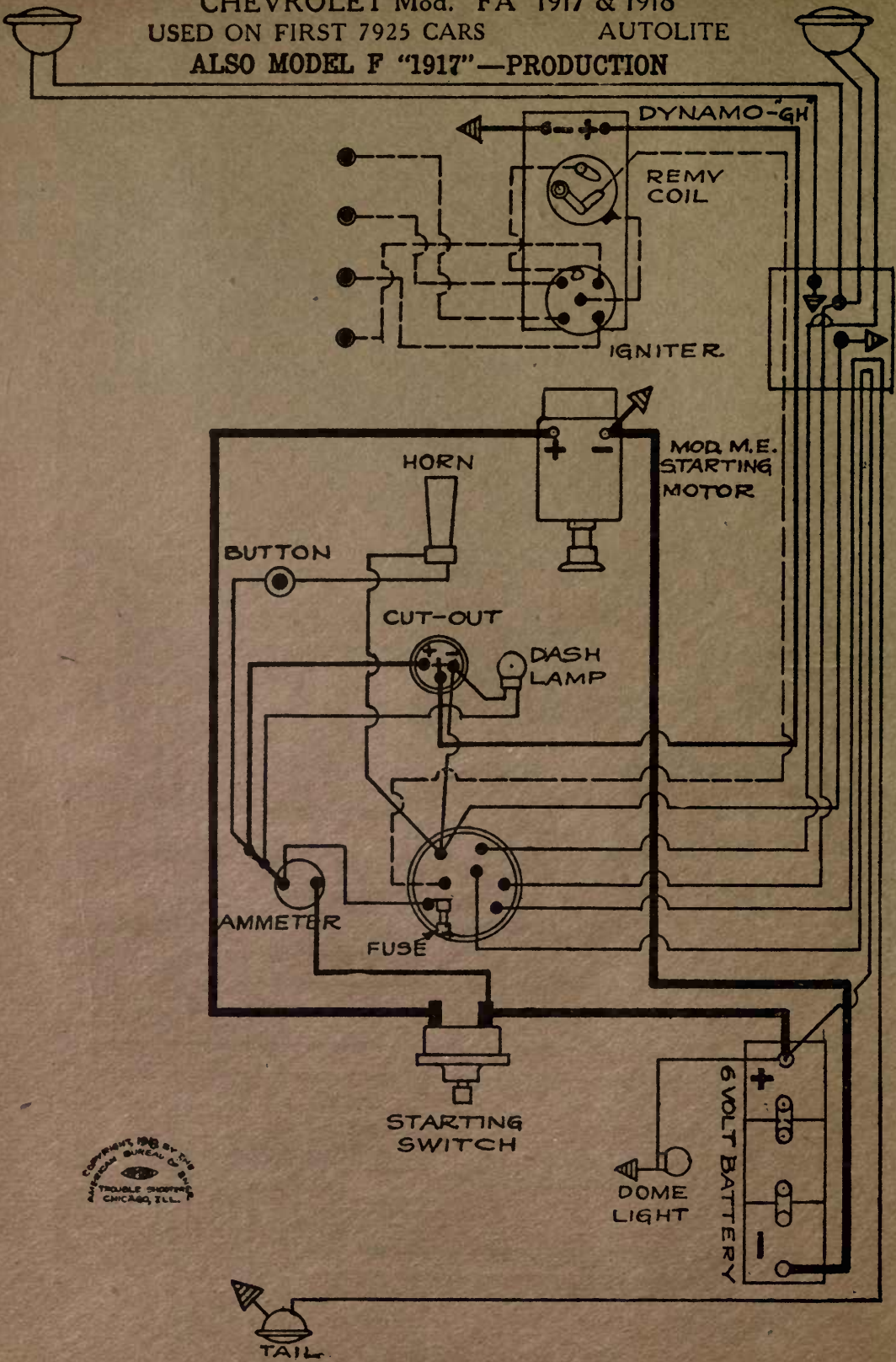


Copyright 1918 by THE
 AMERICAN BUREAU OF
 TROUBLE SHOOTERS
 CHICAGO, ILL.

CHEVROLET-MOD. D-1918-8CYL. AUTOLITE USED ON FIRST 1000 JOBS

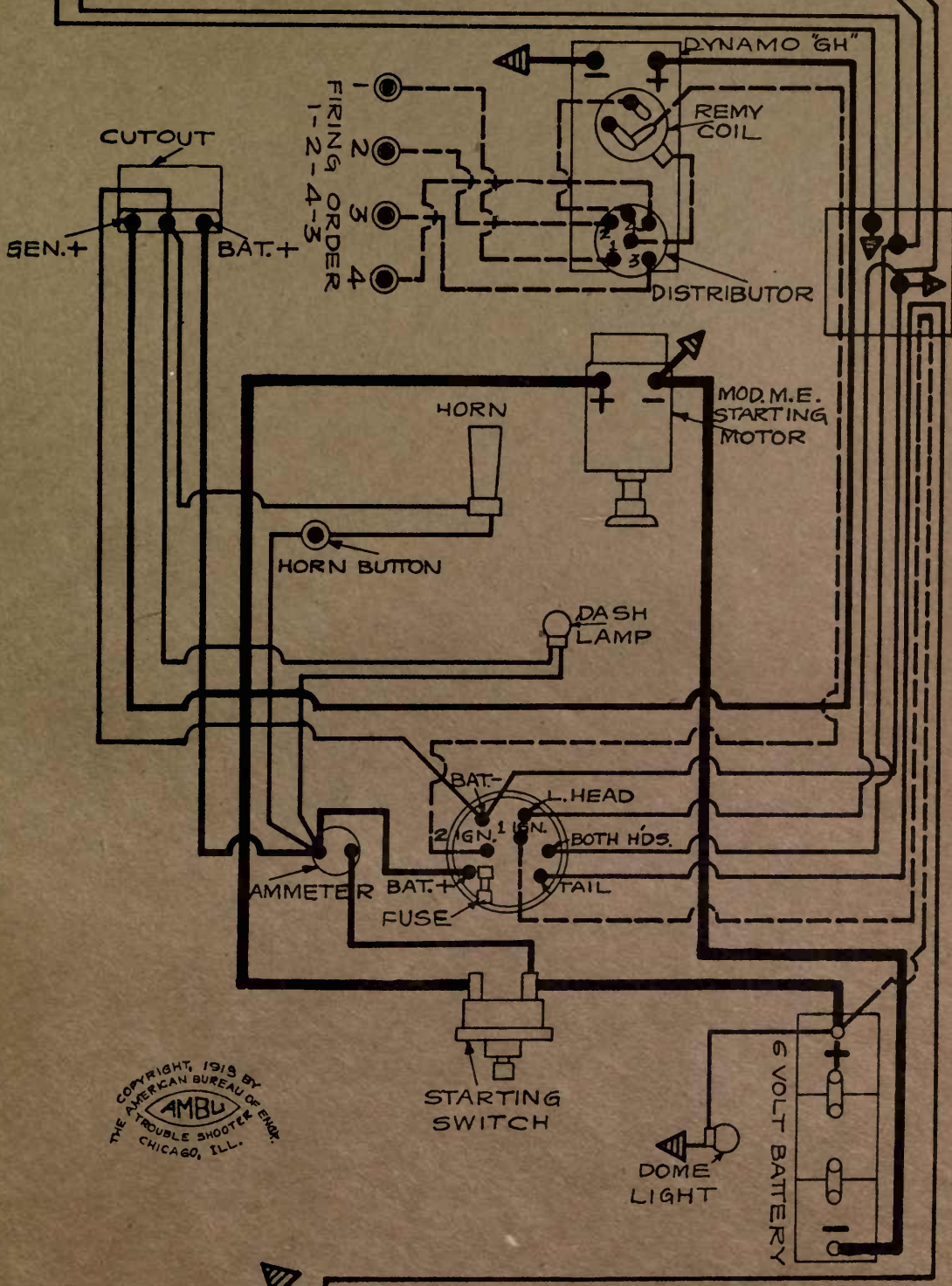


CHEVROLET Mod. "FA" 1917 & 1918
 USED ON FIRST 7925 CARS
 AUTOLITE
 ALSO MODEL F "1917"—PRODUCTION



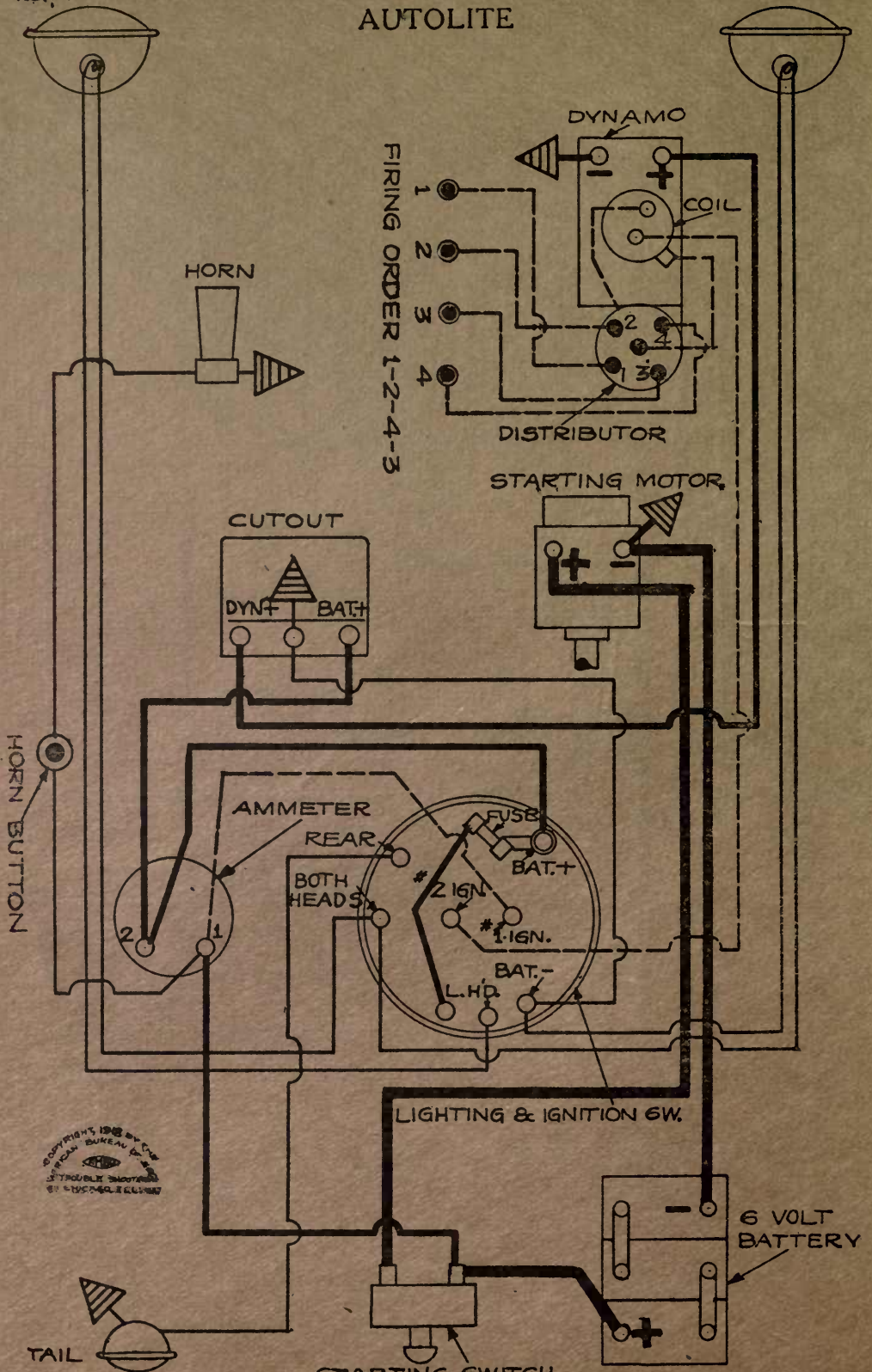
COPYRIGHT 1918 BY THE
 AUTOLITE BUREAU OF CAR
 TROUBLE SHOOTING
 CHICAGO, ILL.

H_D LAMP CHEVROLET MOD. "FA" 1918-1919 USED AFTER 7925 CARS AUTOLITE H_D LAMP



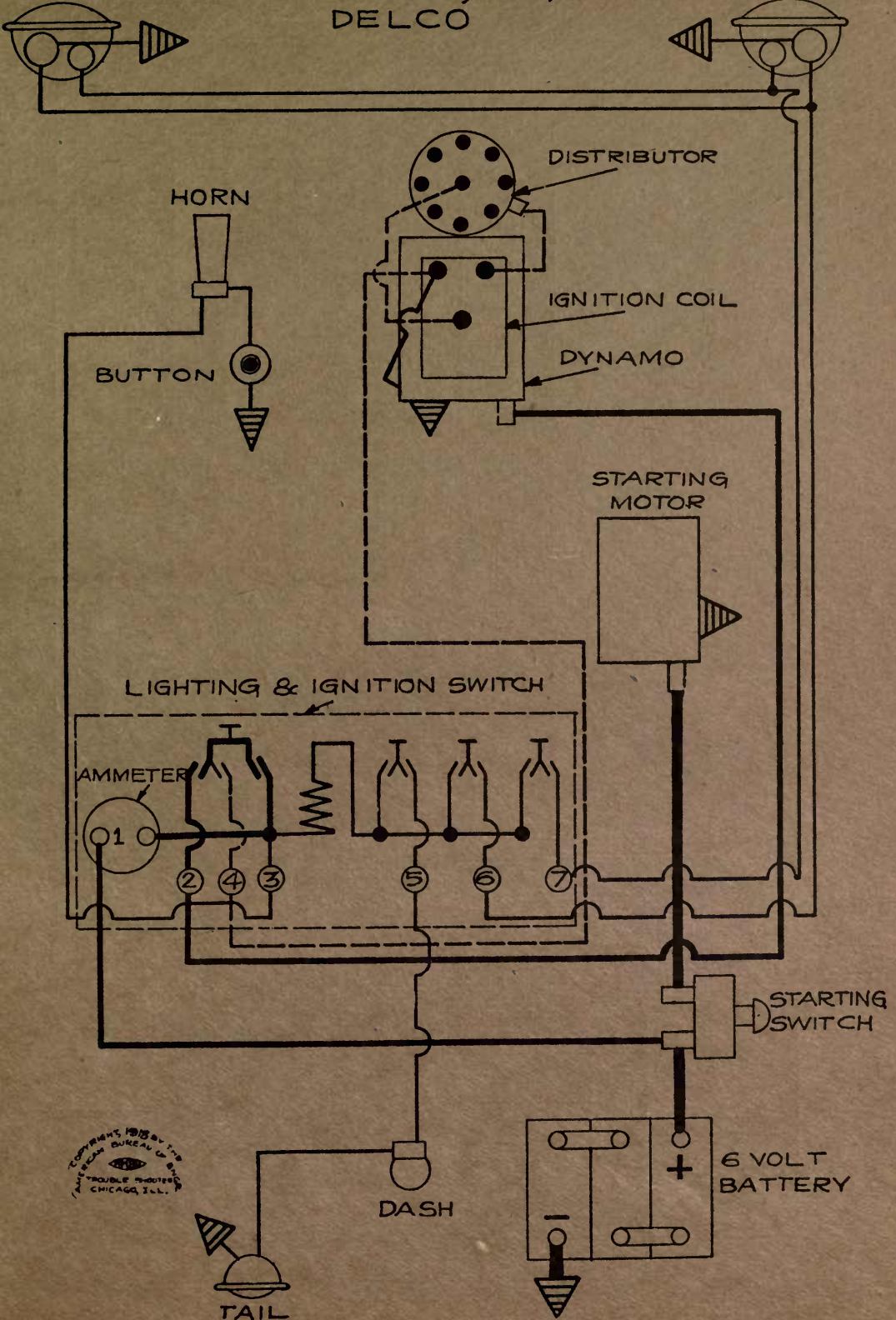
COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENG'G.
 AMBU
 TROUBLE SHOOTER
 CHICAGO, ILL.

HD. LAMP CHEVROLET 1918-1919 ONE TON TRUCK HD. LAMP
AUTOLITE



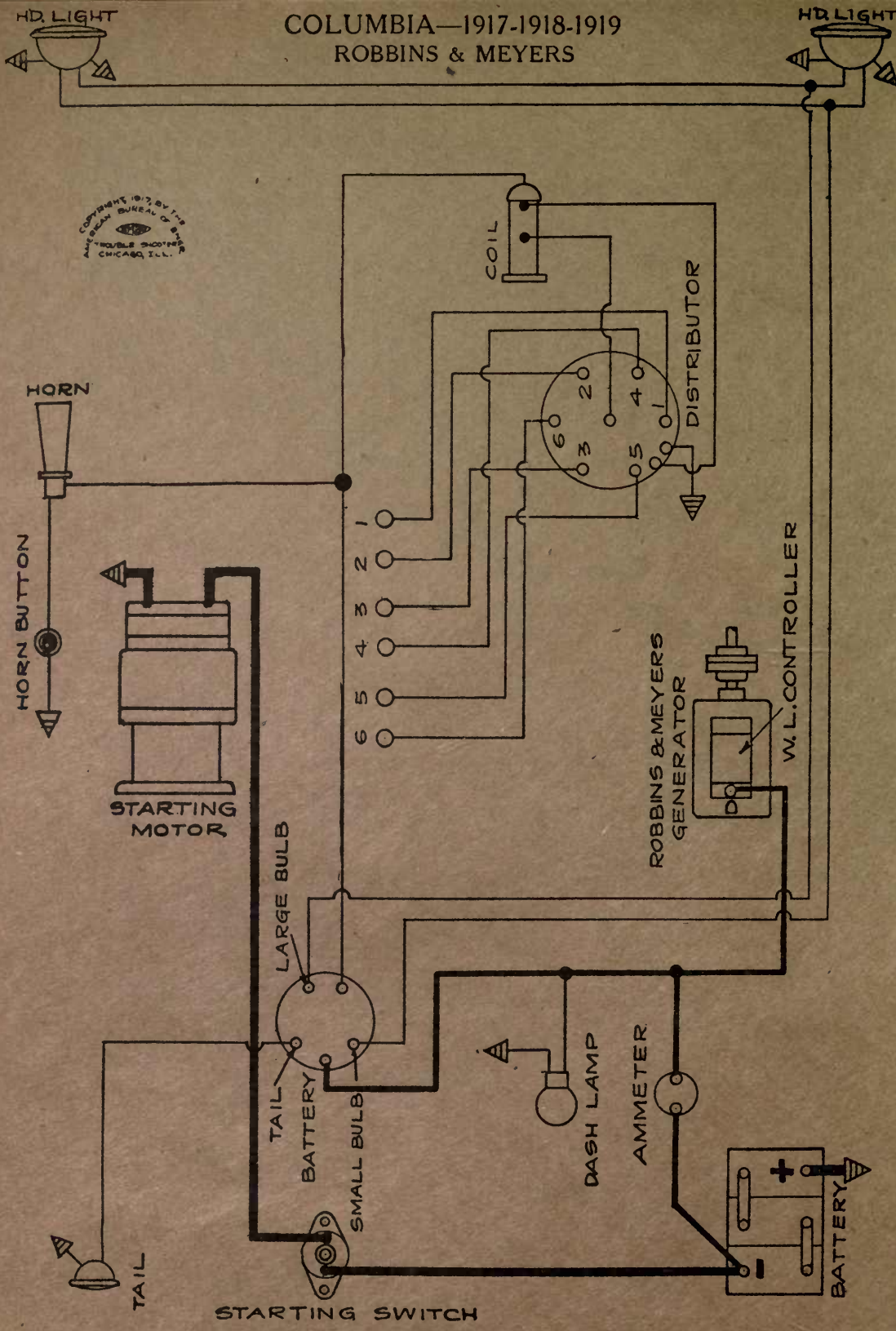
HD. LAMP COLE - 8CYL. - 1916, 1917, 1918.
DELCO

HD. LAMP



COPYRIGHT 1918 BY THE
MOTOR BUREAU OF DELCO
TROUBLE SHOOTING
CHICAGO, ILL.

COLUMBIA-1917-1918-1919
ROBBINS & MEYERS



COPYRIGHT 1917, BY THE
AMERICAN BUREAU OF
TRAFFIC SHOOTERS
CHICAGO, ILL.

STARTING SWITCH

TAIL

TAIL BATTERY

SMALL BULB

LARGE BULB

STARTING MOTOR

HORN BUTTON

HORN

DASH LAMP

AMMETER

BATTERY

ROBBINS & MEYERS GENERATOR

W. L. CONTROLLER

DISTRIBUTOR

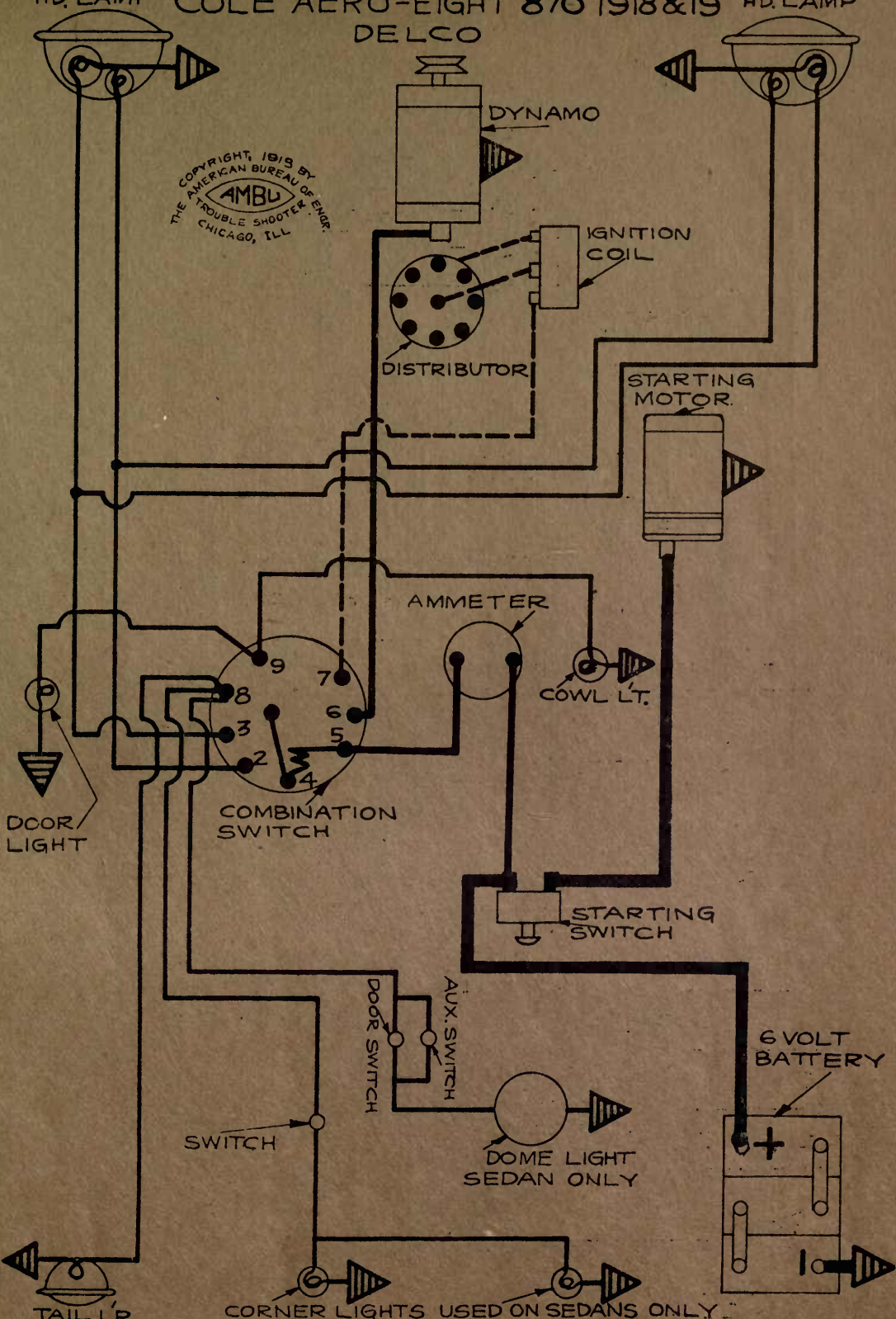
COIL

HD LIGHT

HD LIGHT

H.D. LAMP COLE AERO-EIGHT "870" 1918 & 19 DELCO H.D. LAMP

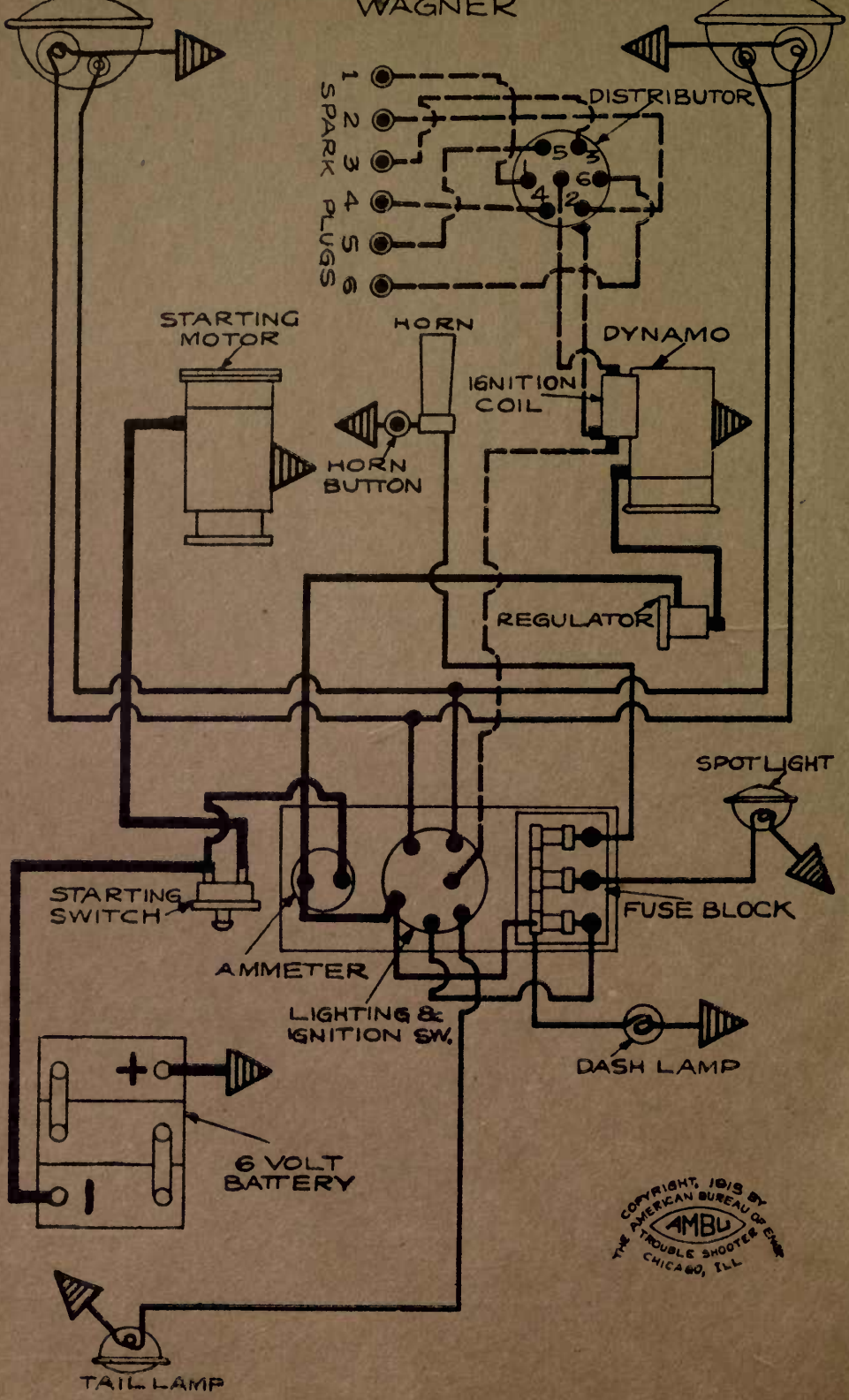
COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENG'G.
AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.



HD. LAMP

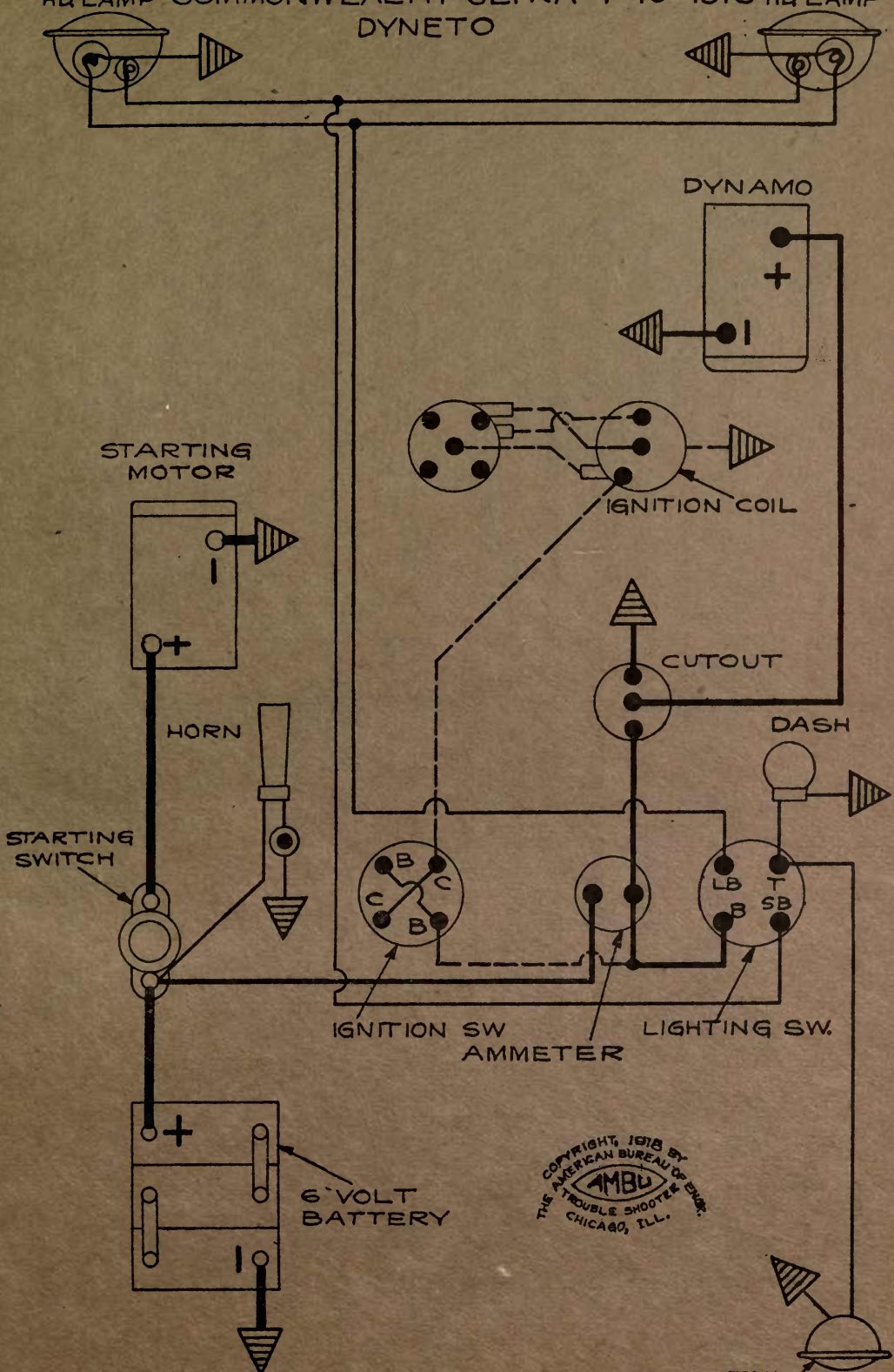
COMET-1919 WAGNER

HD. LAMP



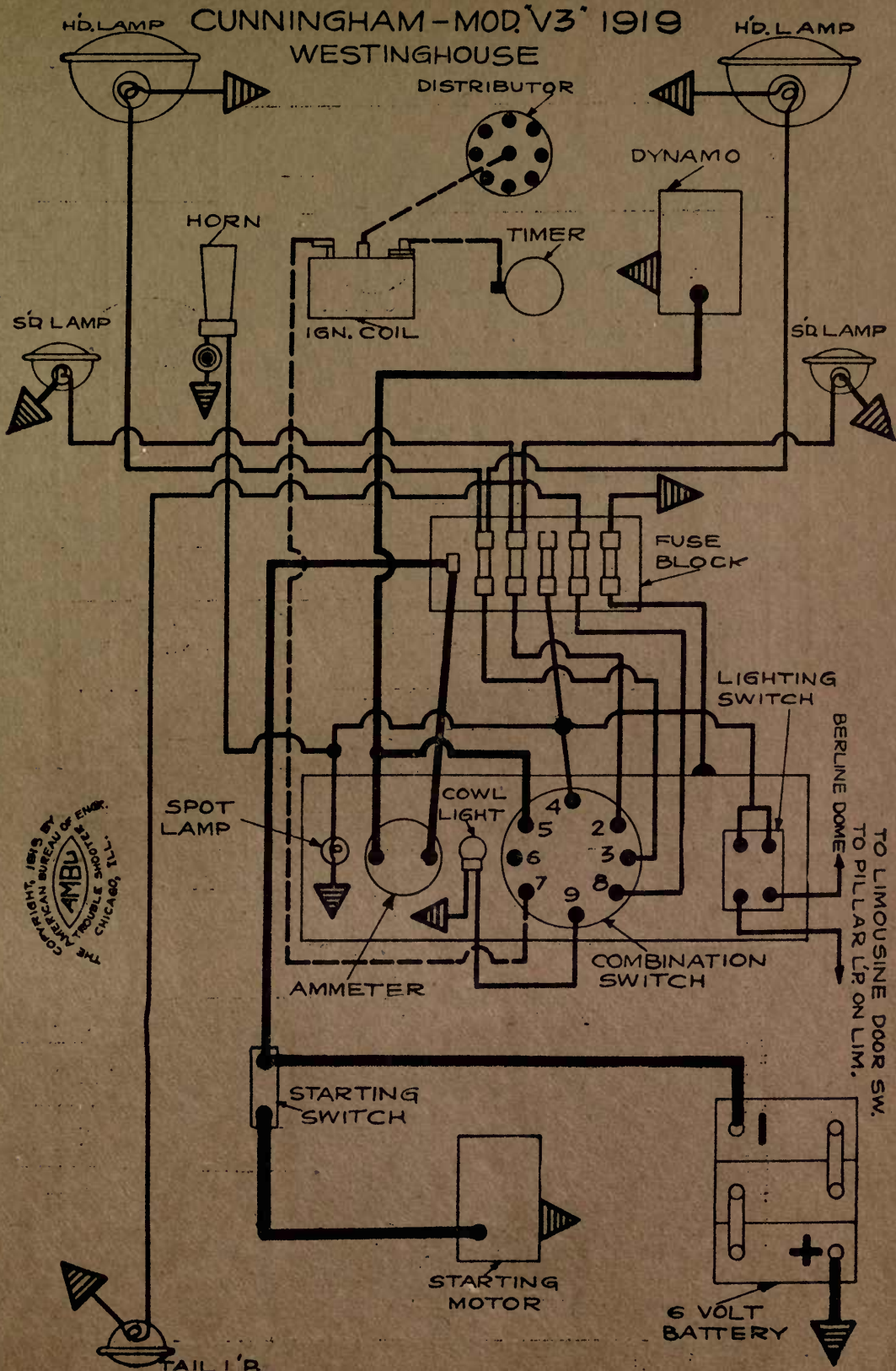
COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF EXP.
AMBL
 THE TROUBLE SHOOTER
 CHICAGO, ILL.

HQ LAMP COMMONWEALTH "ULTRA-4-40" '1918 HQ LAMP
DYNETO



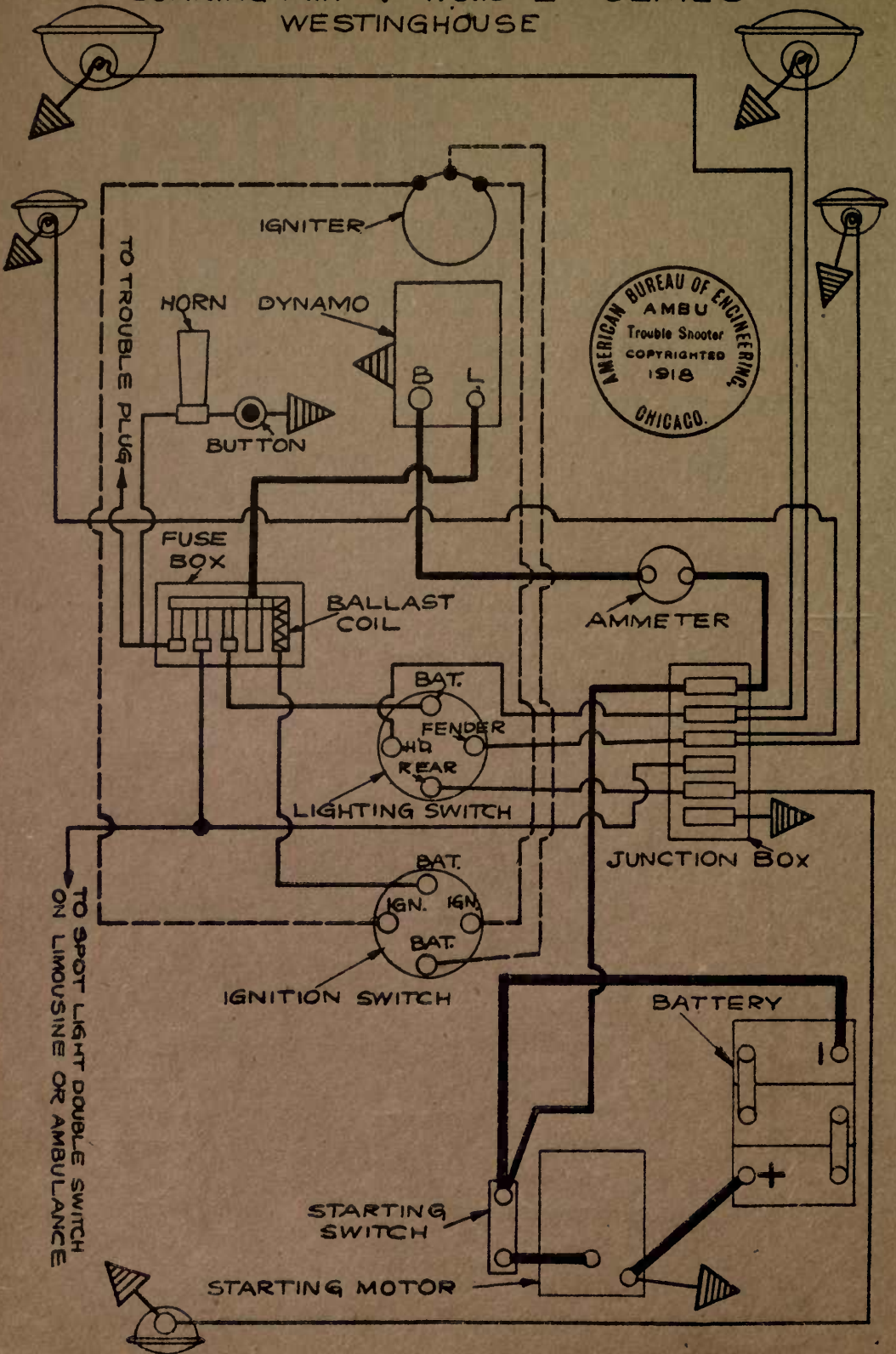
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF DIST.
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

CUNNINGHAM - MOD. V3 1919 WESTINGHOUSE



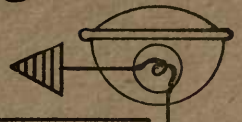
COPYRIGHT, 1919, BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.

CUNNINGHAM - V - 17&18 2ND SERIES
WESTINGHOUSE



H.D. LAMP CUNNINGHAM "V" 1917 & 1918 WESTINGHOUSE

H'D LAMP



FENDER LIGHT



FENDER LIGHT

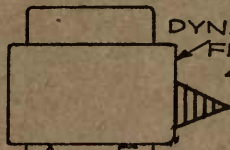


COPYRIGHT 1918 BY THE
AMERICAN BUREAU OF
ELECTRICITY
TROUBLE SHOOTER
CHICAGO, ILL.

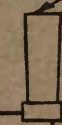
IGNITER



DYNAMO
FRAME
400



HORN



BUTTON



TROUBLE PLUG



BFA

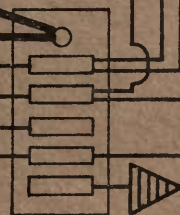


CONTROLLER

FUSE BOX



JUNCTION BOX



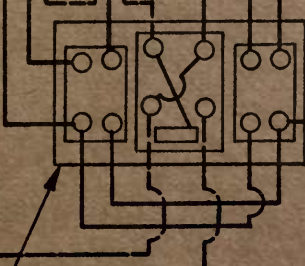
AMMETER



BATTERY



IGNITION & LIGHTING SW. SWITCH



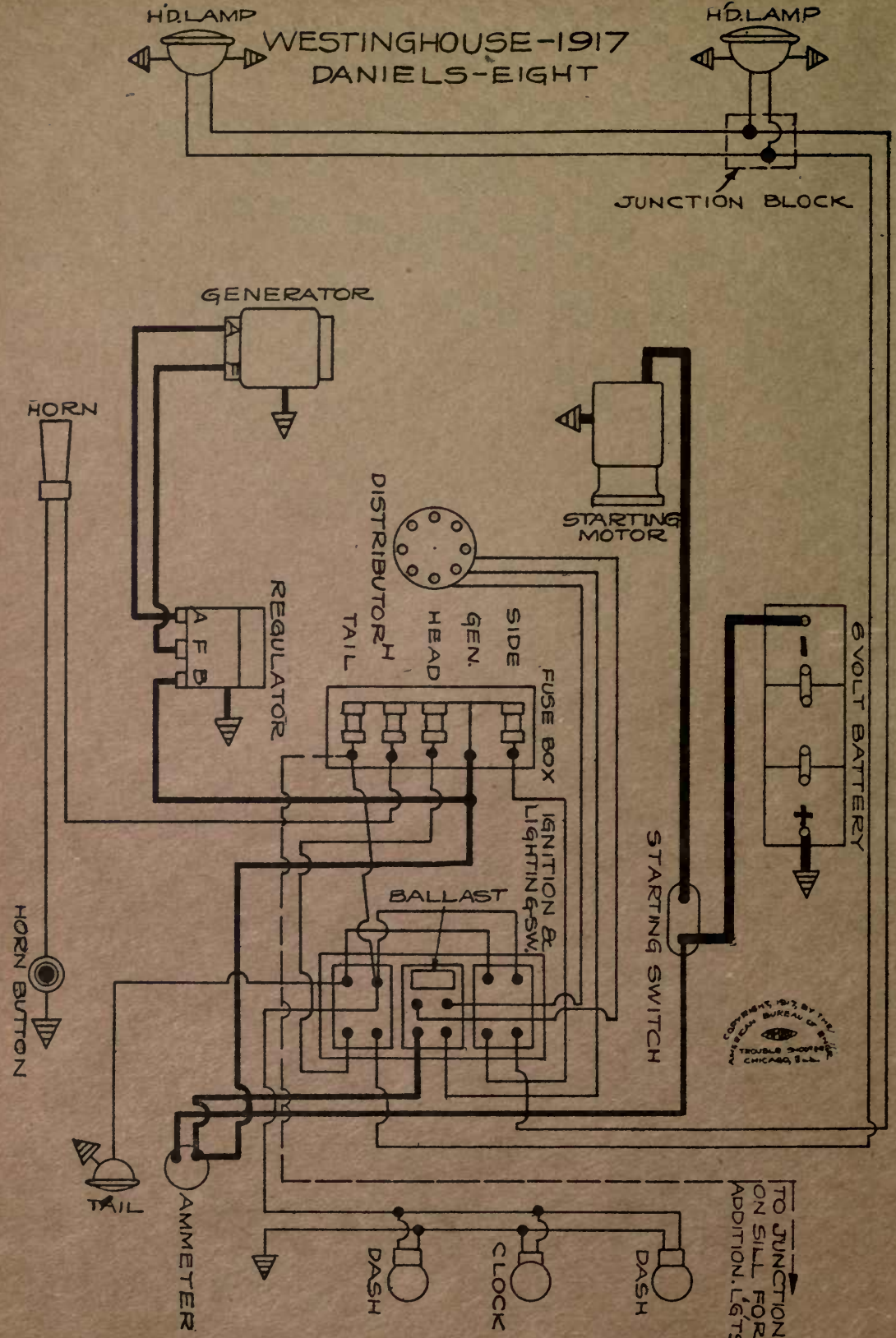
STARTING



STARTING
MOTOR-502



WESTINGHOUSE-1917
DANIELS-EIGHT



COPYRIGHT 1917 BY THE
AMERICAN BUREAU OF LIGHTING
CHICAGO, ILL.

TO JUNCTION
ON SILL FOR
ADDITION. LGTS

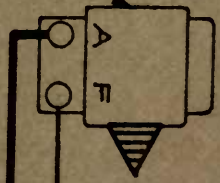
HQ. LAMP

DANIELS - '1918' WESTINGHOUSE

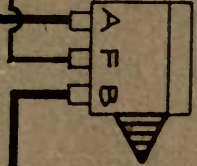
HD. LAMP



DYNAMO



CONTROLLER



DISTRIBUTOR



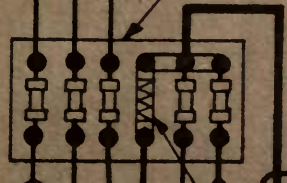
STARTING MOTOR



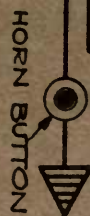
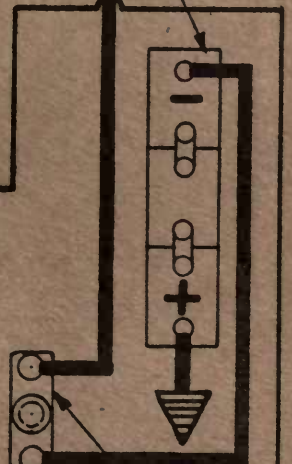
HORN



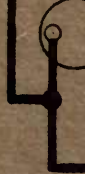
FUSE BOX



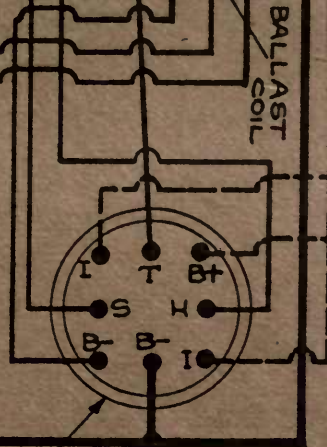
6 VOLT BATTERY



AMMETER

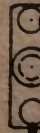


BALLAST COIL



IGNITION & LIGHTING SW.

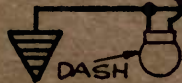
STARTING SWITCH



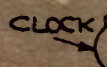
JUNCTION BLOCK



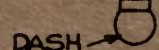
TAIL LAMP



DASH



CLOCK



DASH

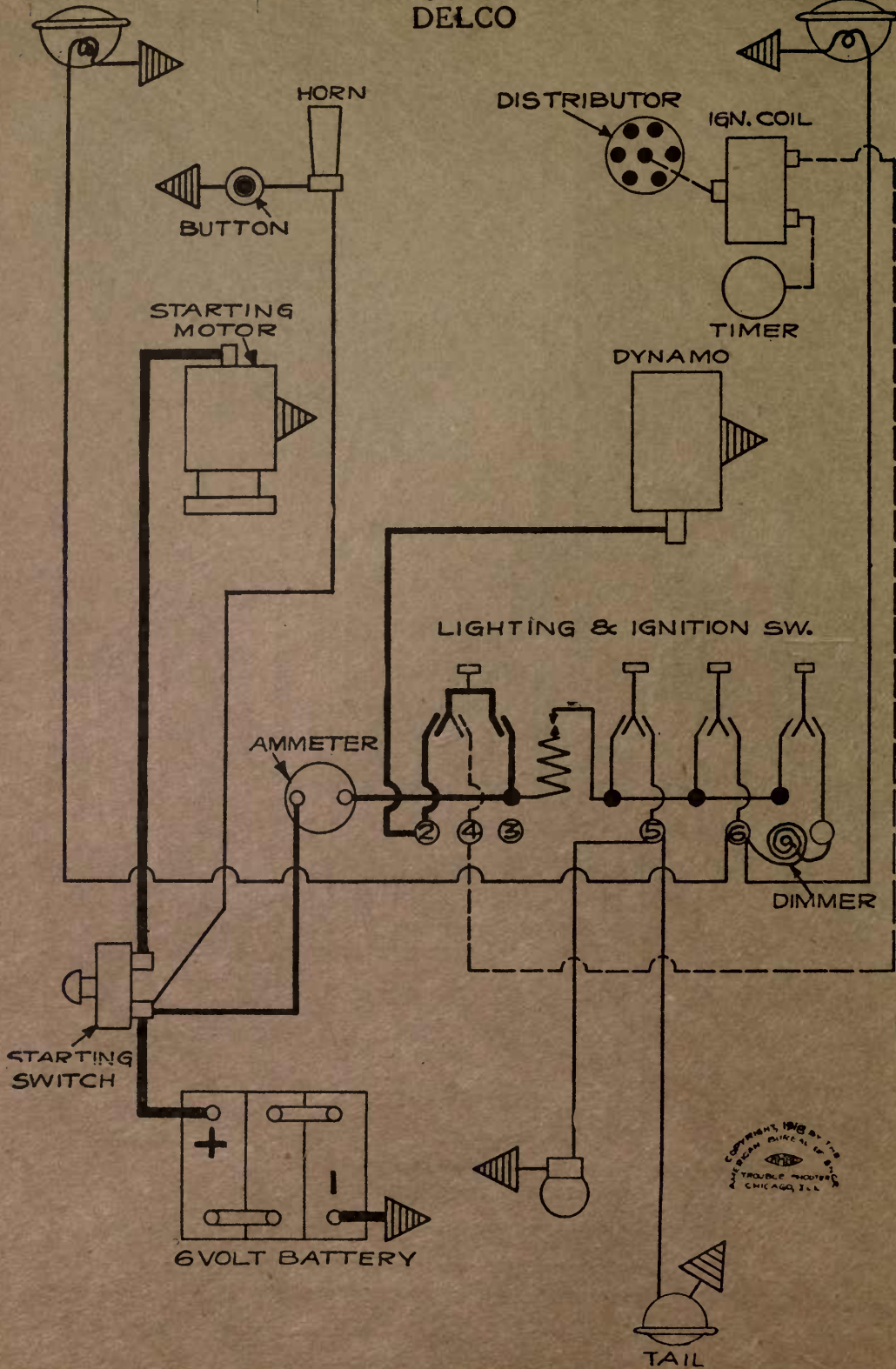


BODY LT.

HD LAMP

DAVIS "6J" 1917-1918-1919 DELCO

HD LAMP

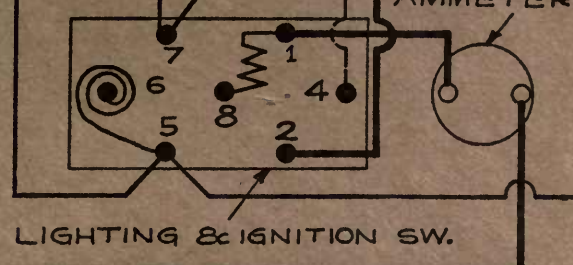
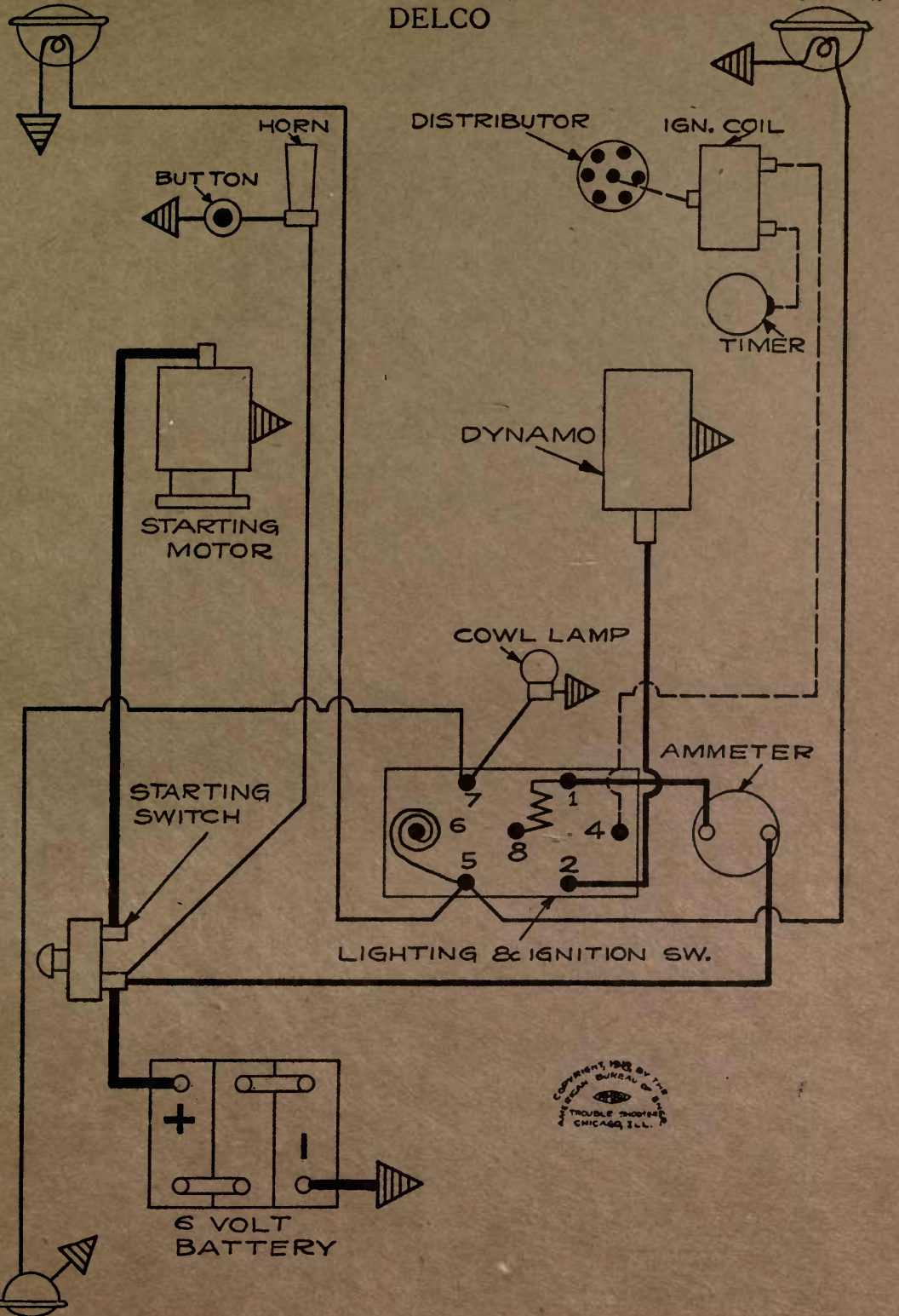


COPYRIGHT 1918 BY THE
 DELCO DIVISION OF G.M.
 TROUBLE SHOOTER
 CHICAGO, ILL.

HD. LAMP

DAVIS—MOD. 6H-6I-6K, 1917-1918-1919 DELCO

HD. LAMP

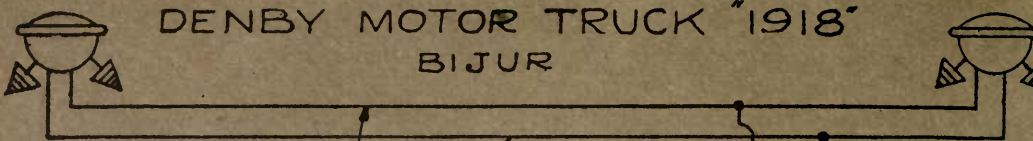


COPYRIGHT 1920 BY THE
 AMERICAN BUREAU OF STANDARDS
 TROUBLE SHOOTING
 CHICAGO, ILL.

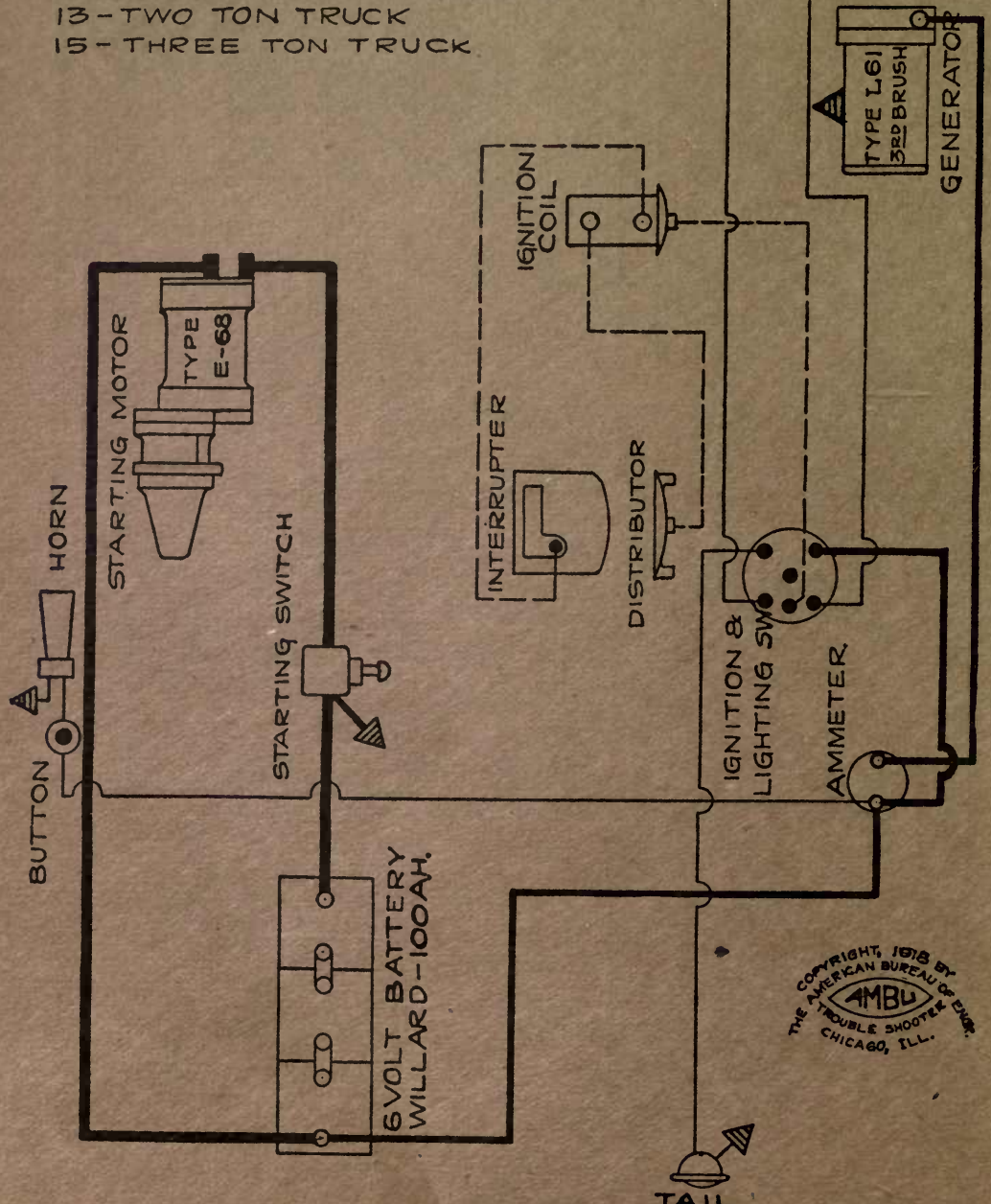
TAIL LAMP

DENBY MOTOR TRUCK "1918"

BIJUR



- MODELS
- 12 - ONE TON TRUCK
 - 12A - SPECIAL ONE TON TRUCK
 - 13 - TWO TON TRUCK
 - 15 - THREE TON TRUCK



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF DIAG.
 TROUBLE SHOOTER
 CHICAGO, ILL.

Sd. LIGHT

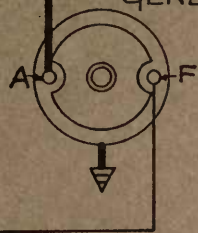
SPLITDORF-APLCO - 1917 DENNEEN - TRUCKS

Sb. LIGHT



REGULATOR
A
D
B
F
REGULATOR
TERMINAL
SCR.

GENERATOR



MAGNETO



COPYRIGHT, 1917, BY THE
AMERICAN BUREAU OF
TRAFFIC SHOOTING,
CHICAGO, ILL.

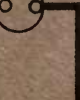
IGNITION SWITCH



LIGHTING
SWITCH



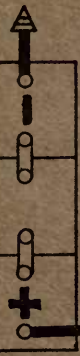
AMMETER



STARTING
SWITCH



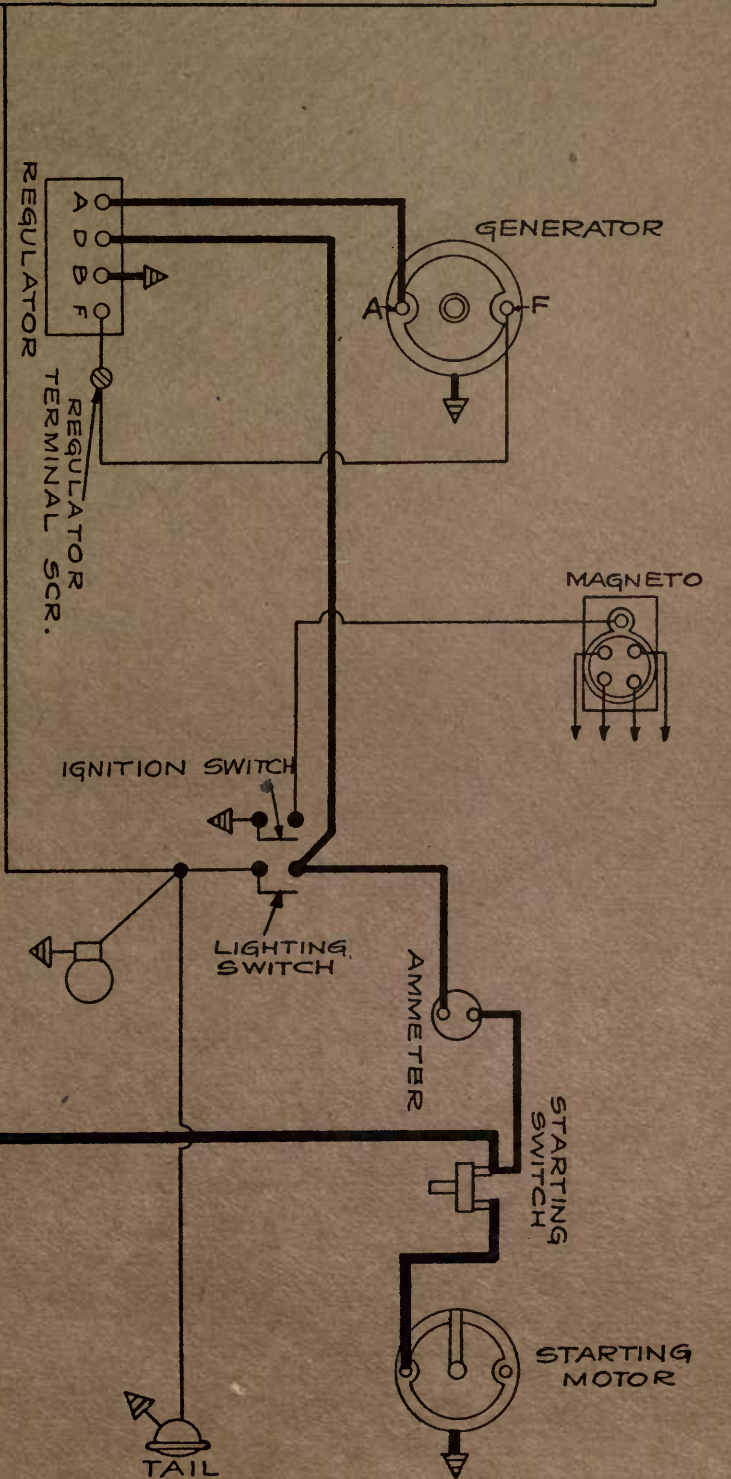
6 VOLT BATTERY



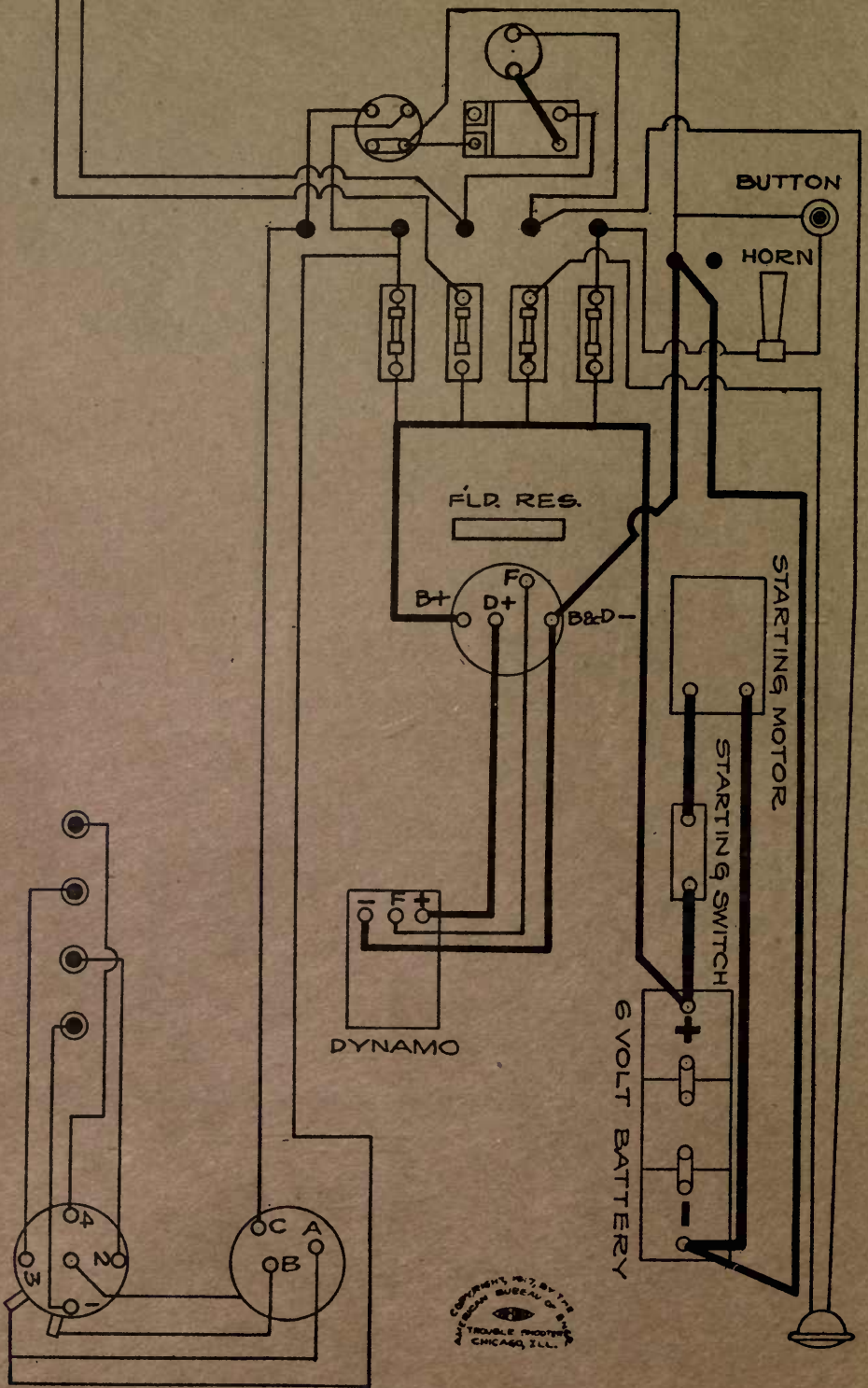
STARTING
MOTOR



TAIL



DYNETO - "1916 - 1917"
DIXIE FLYER CARS No 2200 & ABOVE

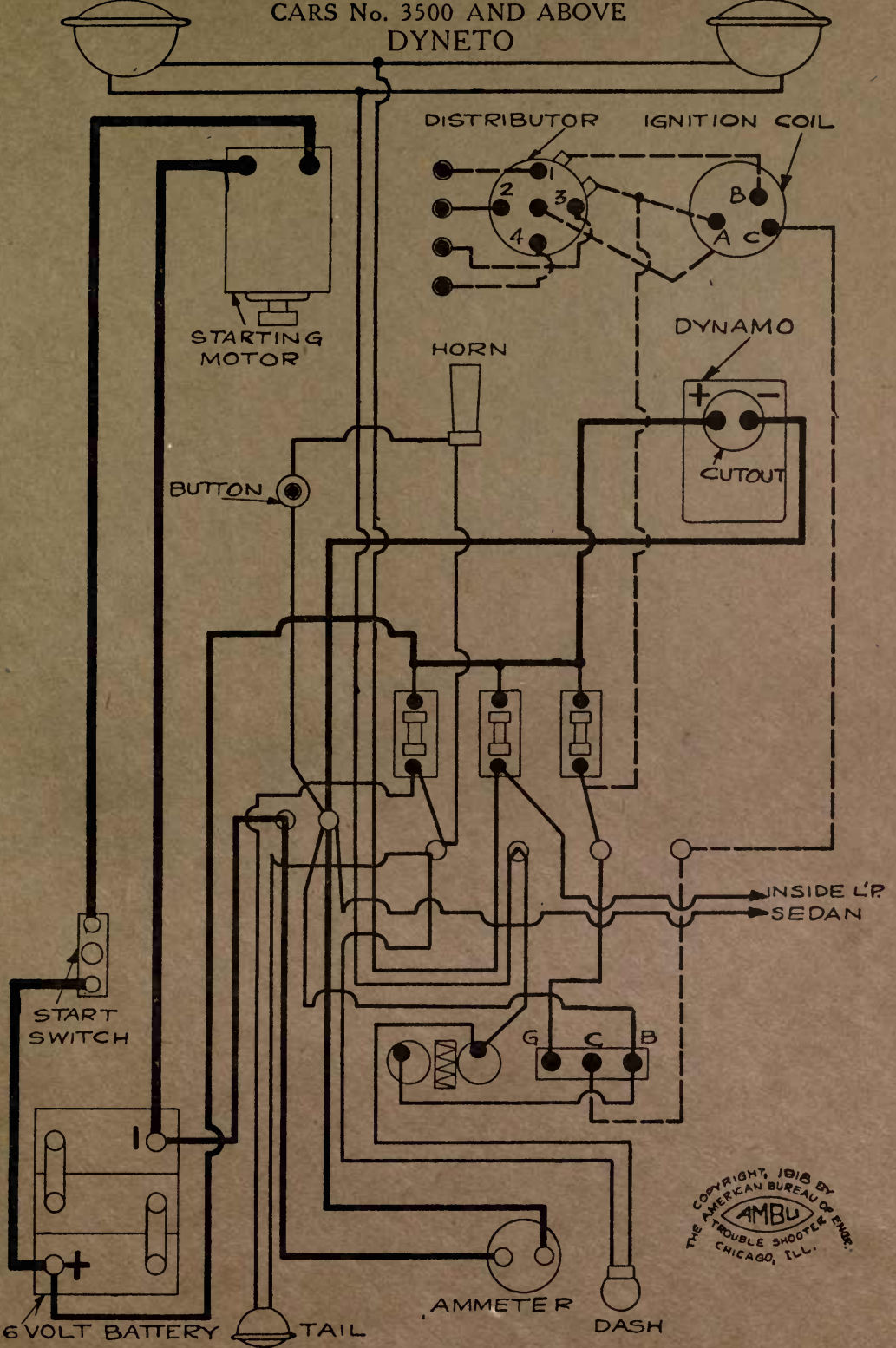


COPYRIGHT 1917, BY THE
AMERICAN BUREAU OF TESTS
METROVOLT PROTOTYPES
CHICAGO, ILL.

H.D. L.P.

DIXIE FLYER—1917-1918-1919 CARS No. 3500 AND ABOVE DYNETO

H.D. L.P.

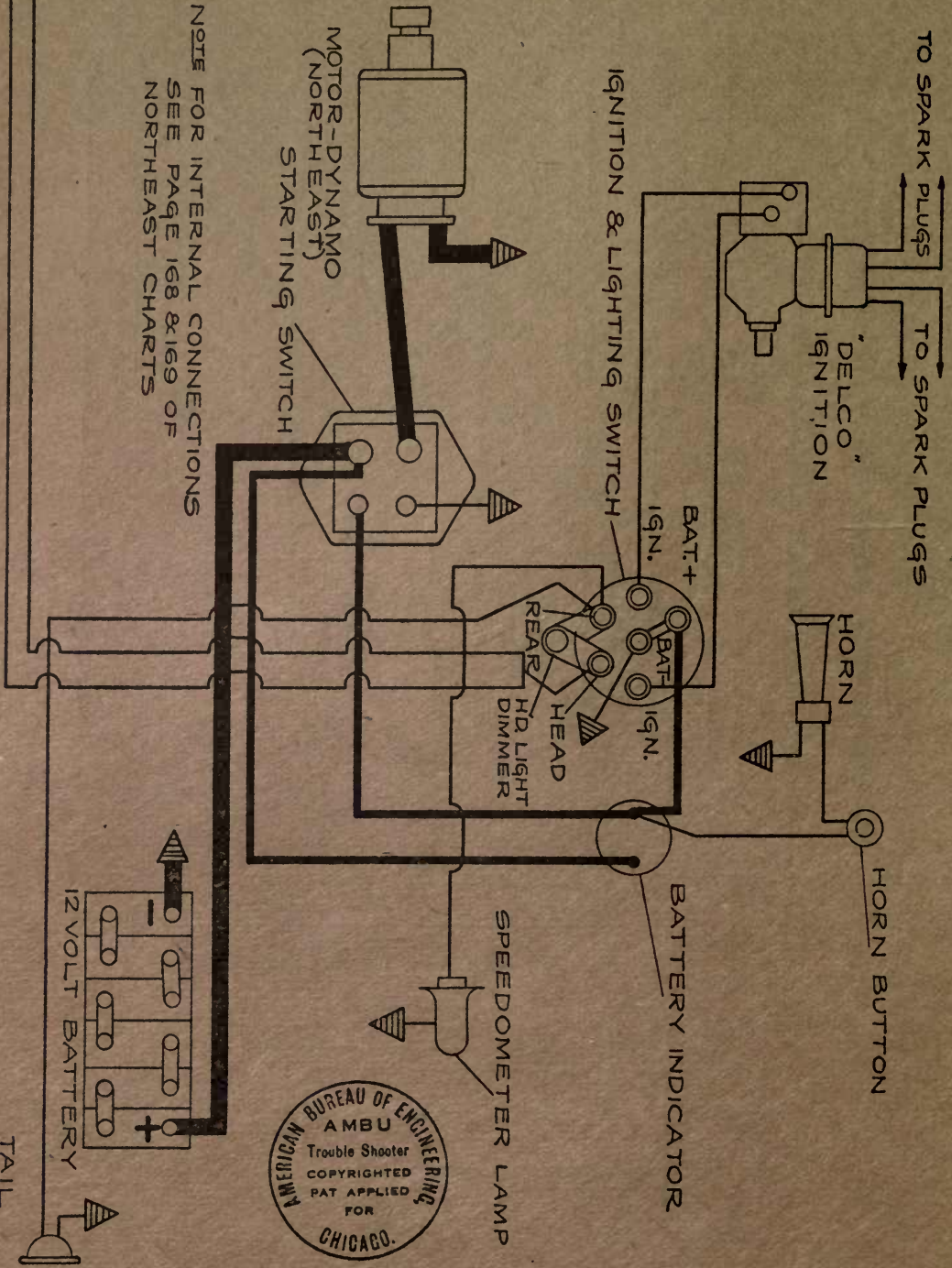


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
 AMBU
 THE TROUBLE SHOOTER OF ENDS
 CHICAGO, ILL.

DODGE—1917-1918-1919 PASSENGER CARS AND TRUCKS NORTHEAST

L. HD. LAMP

R. HD. LAMP



NOTE FOR INTERNAL CONNECTIONS
SEE PAGE 168 & 169 OF
NORTHEAST CHARTS

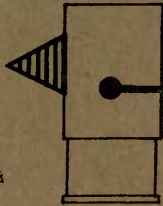


HDLAMP DORRIS '6-80'-1919 WESTINGHOUSE

Hd. LAMP

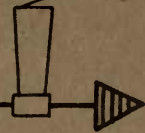


DYNAMO
No 760

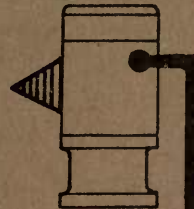


HORN

BUTTON



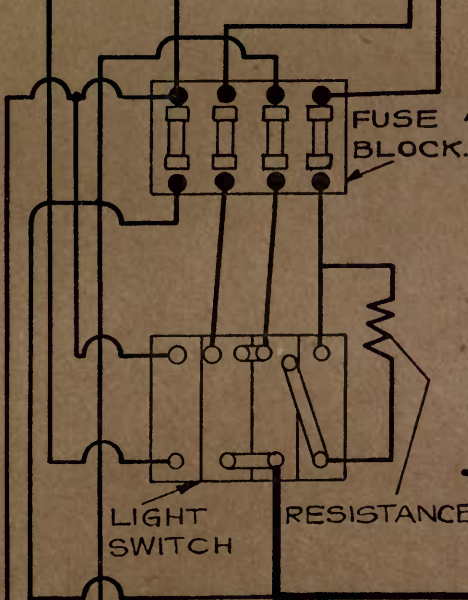
STARTING
MOTOR
No 710



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENG'G.
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.



DASH
LAMPS



FUSE
BLOCK.

LIGHT
SWITCH

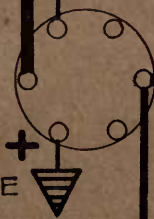
RESISTANCE



AMMETER

STARTING SWITCH

TO MAGNETO



WILLARD
SJR4
6V. BATTERY



SWITCH

SOCKET FOR
INSPECTION L.P.

TONNEAU L.T.



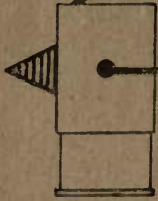
TAIL L.P.

HD. LAMP DORRIS TRUCK "K-4" 1919 WESTINGHOUSE

HD. LAMP



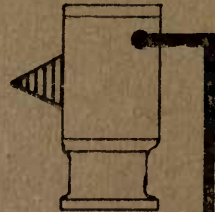
DYNAMO
No 760



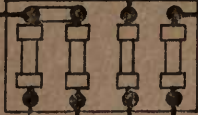
HORN



STARTING
MOTOR
No 710



FUSE BLOCK



RESISTANCE



BUTTON



AMMETER



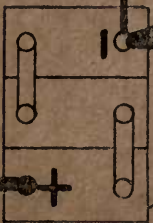
MAGNETO
GRD. WIRE



LIGHT &
IGN. SW.



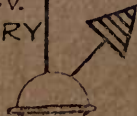
WILLARD
SJR - 6V.
BATTERY



STARTING
SWITCH



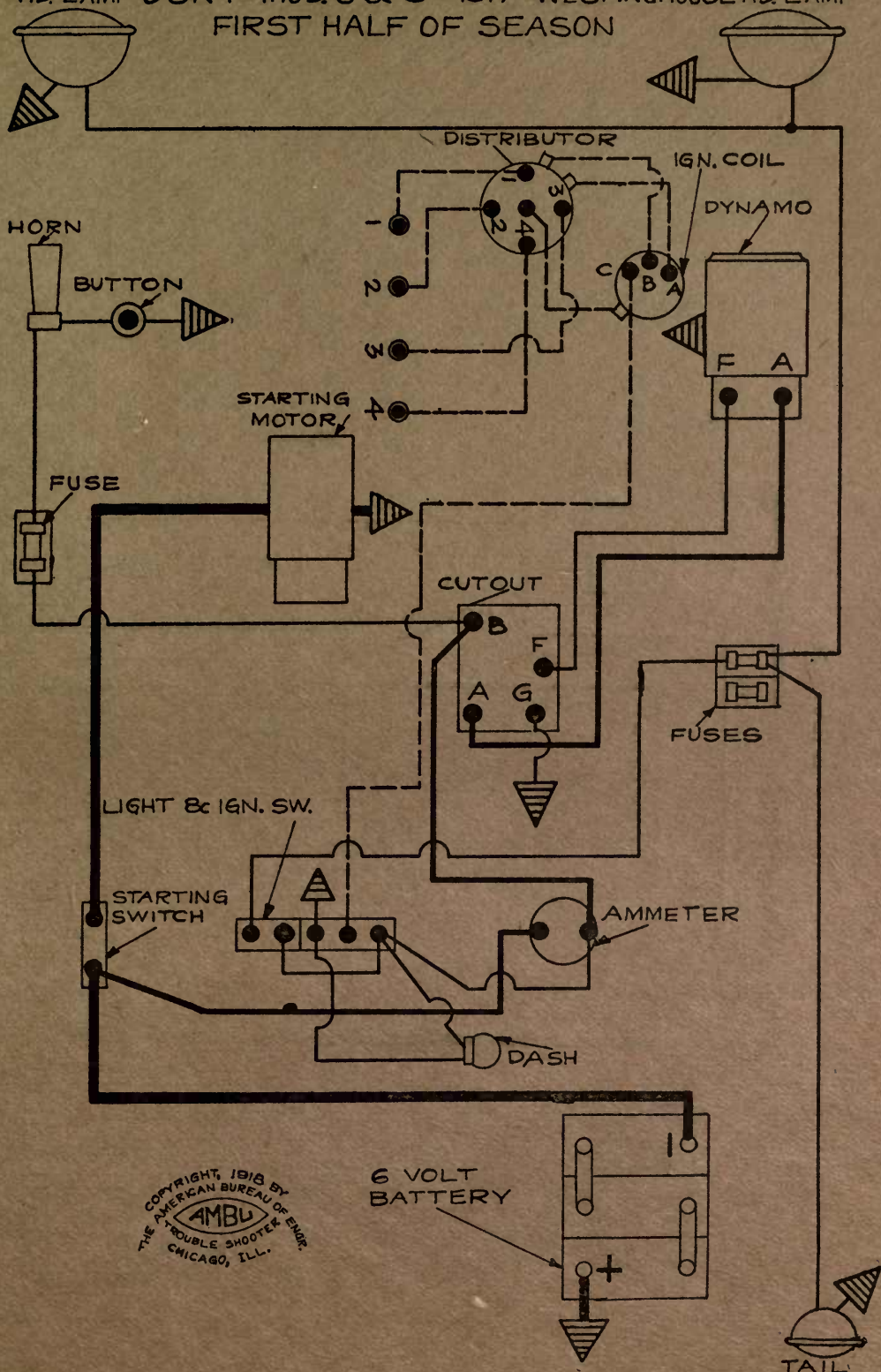
TAIL LAMP



COPYRIGHT, 1919, BY
THE AMERICAN BUREAU OF ENG.
TROUBLE SHOOTER
CHICAGO, ILL.



H.D. LAMP DORT-MOD. 6 & 9 - 1917 WESTINGHOUSE H.D. LAMP
 FIRST HALF OF SEASON

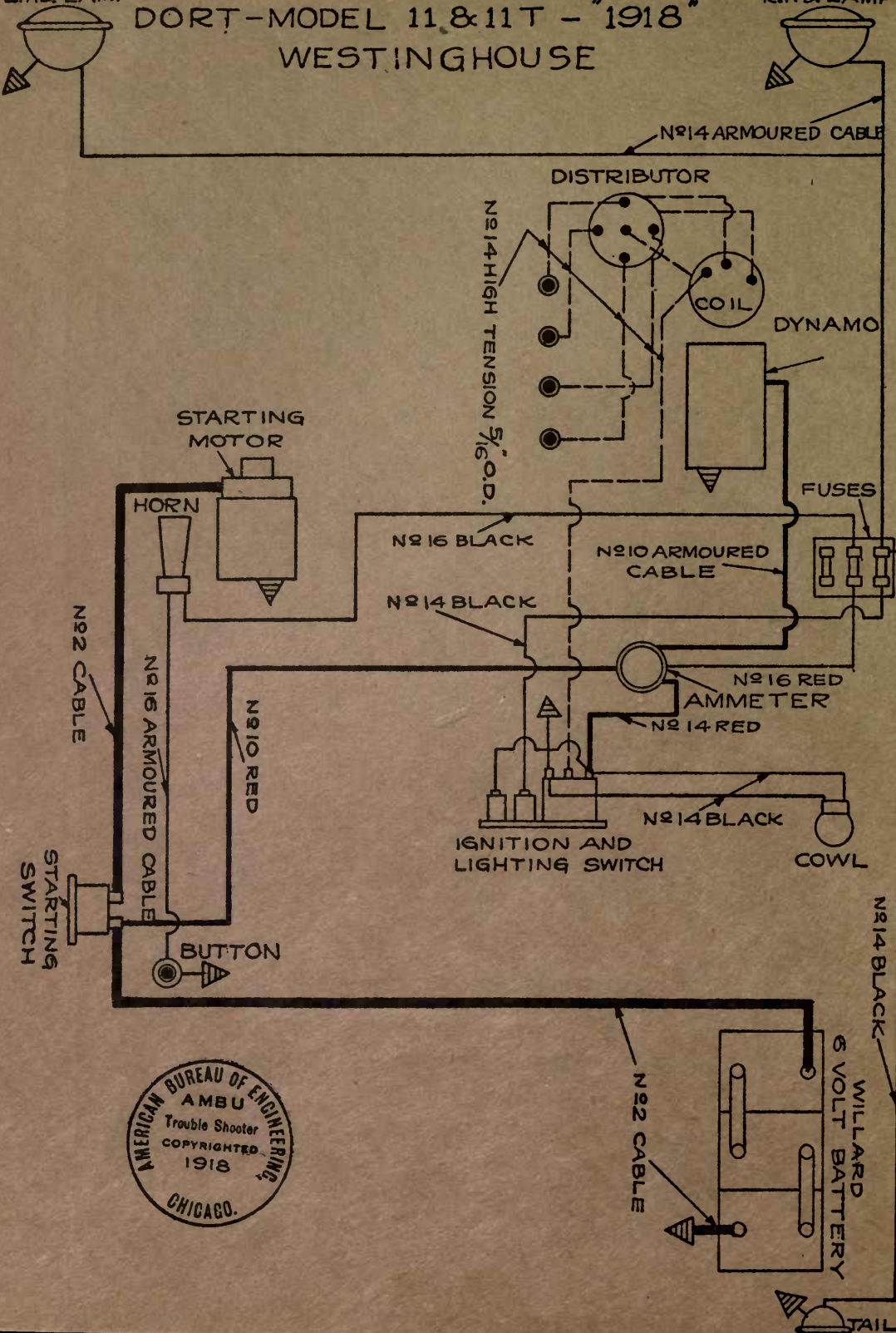


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
 TROUBLE SHOOTERS
 CHICAGO, ILL.

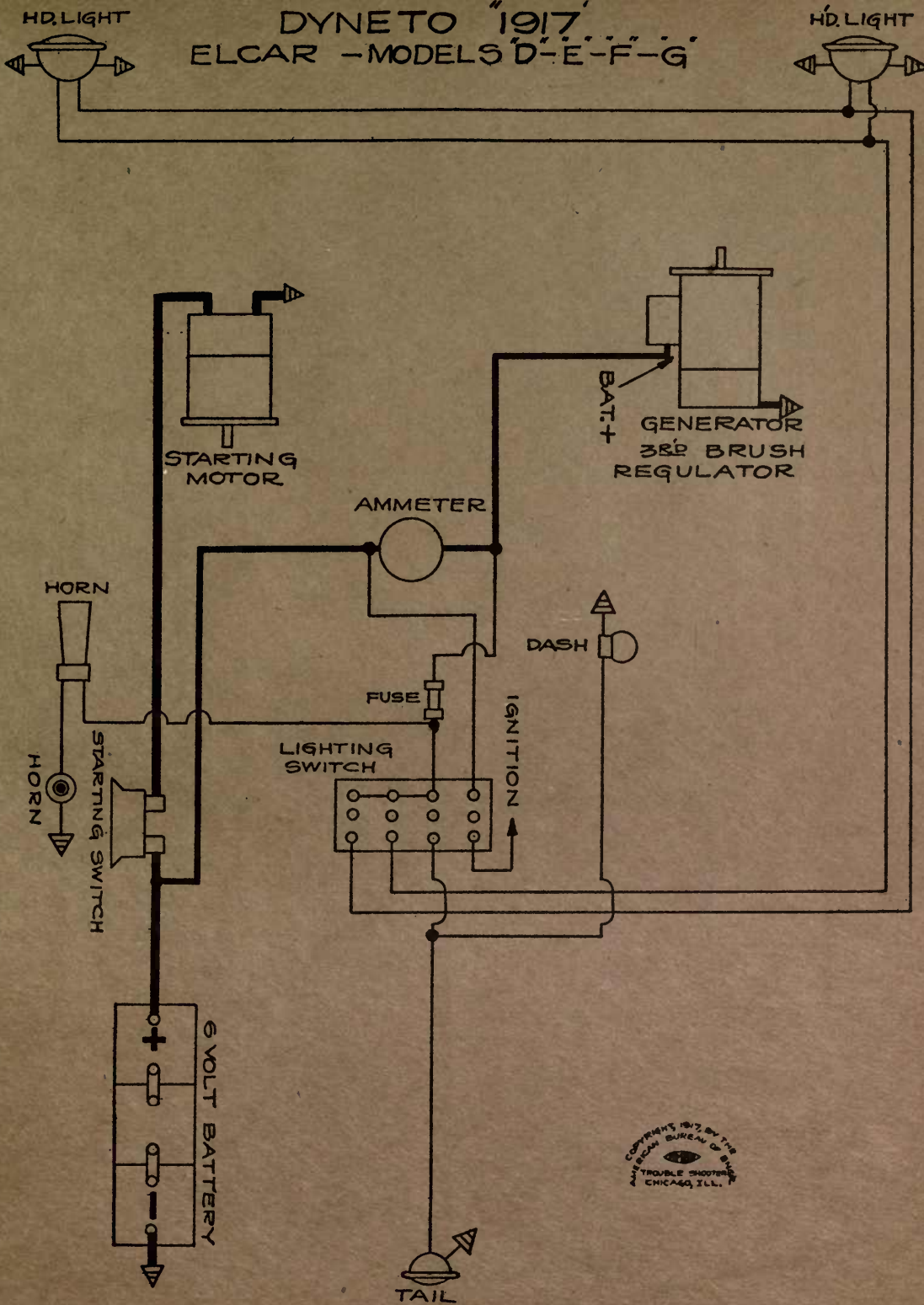
L.H.D. LAMP

R.H.D. LAMP

DORT - MODEL 11 & 11T - "1918" WESTINGHOUSE



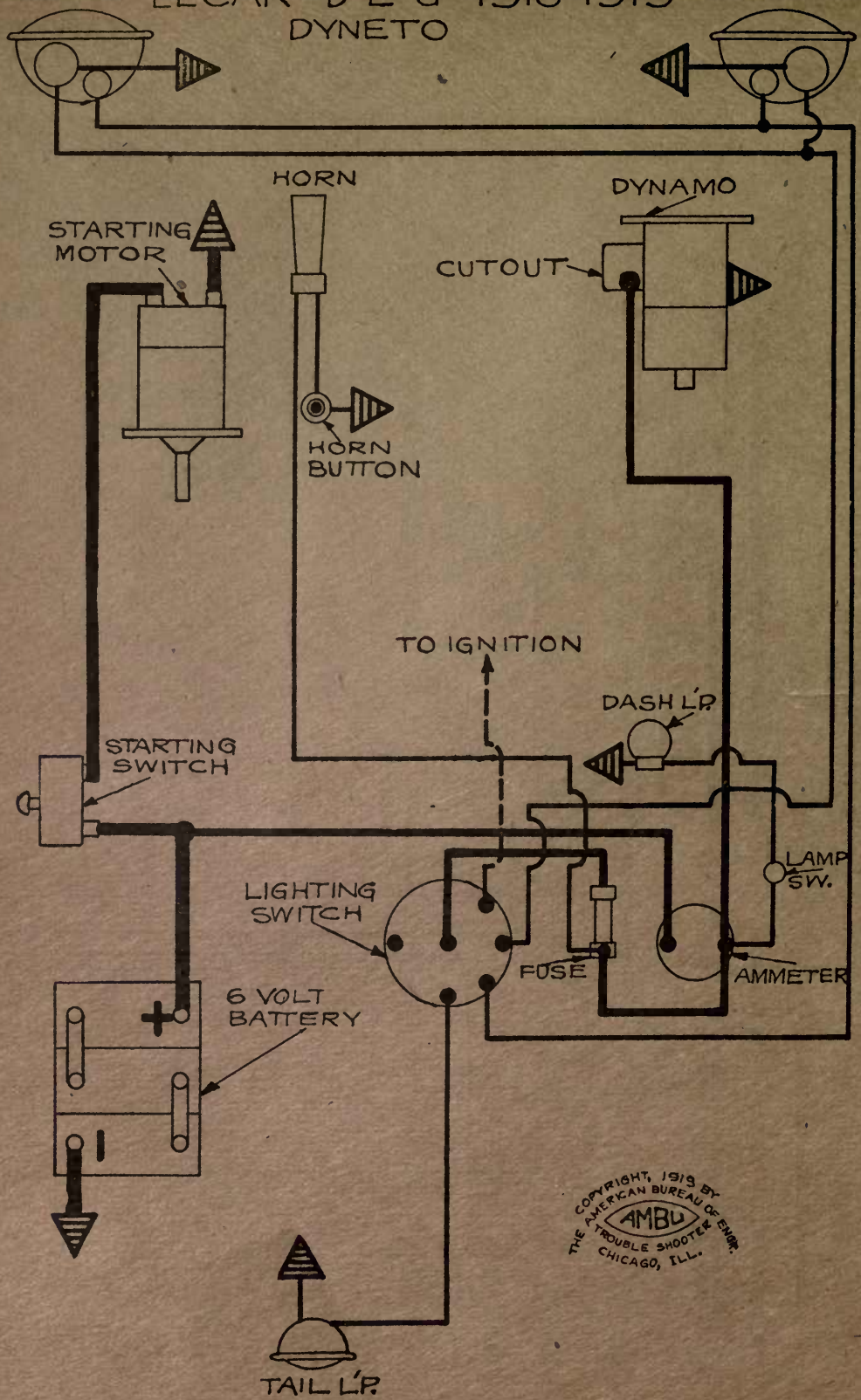
DYNETO '1917
ELCAR - MODELS 'D'- 'E'- 'F'- 'G'



COPYRIGHT, 1917, BY THE
AMERICAN BUREAU OF
TRAUBLE SHOOTERS
CHICAGO, ILL.

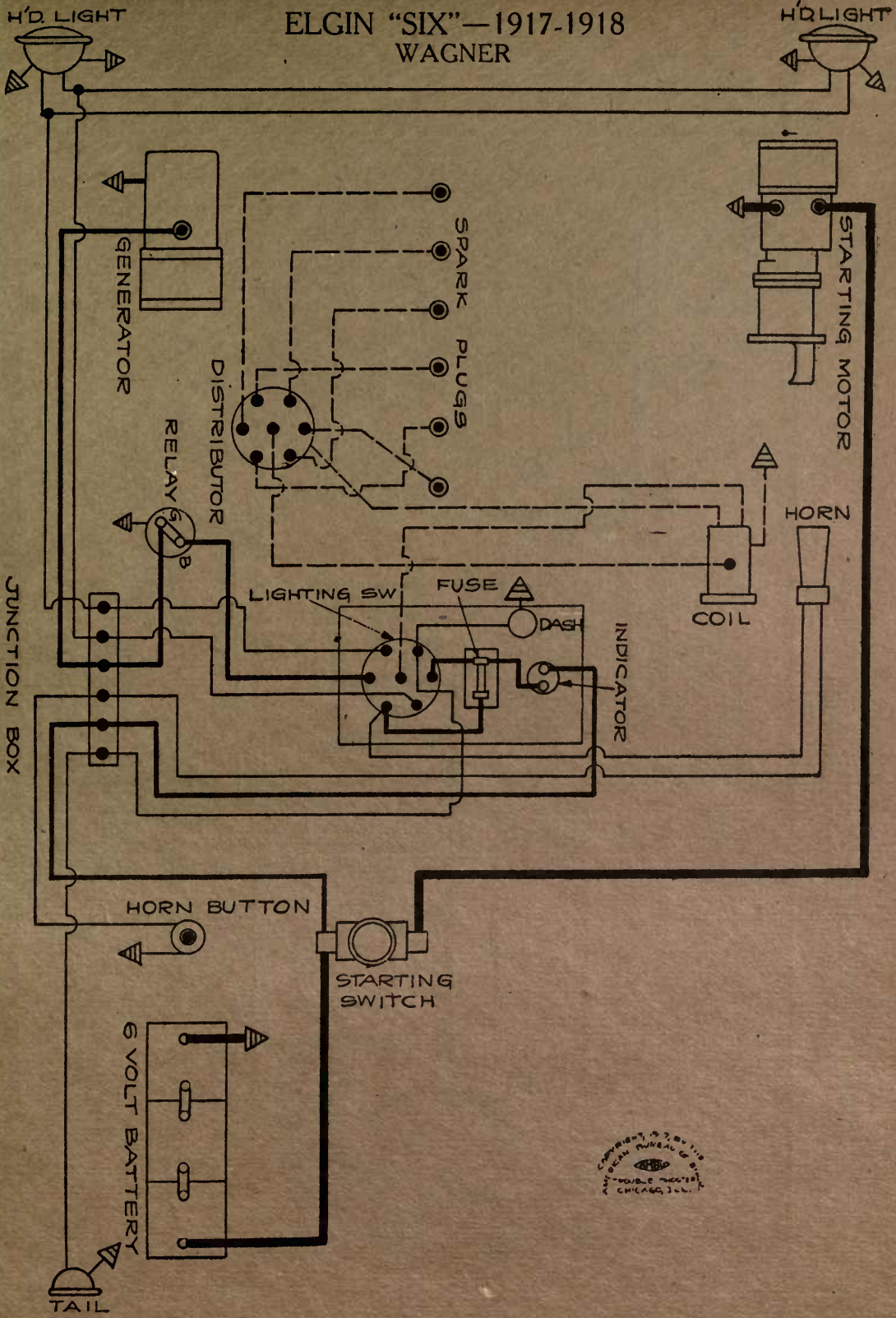
HD. LAMP EL CAR-D-E-G-1918-1919

DYNETO



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGR.
CHICAGO, ILL.
AMBU
THE TROUBLE SHOOTER

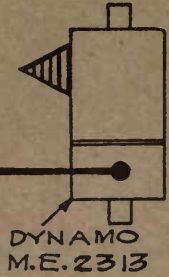
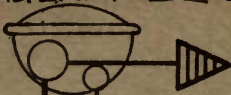
ELGIN "SIX"—1917-1918 WAGNER



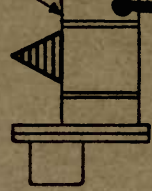
Copyright © 1917, 1918
AMERICAN BUREAU OF MOTOR
VEHICLE REPAIRS
CHICAGO, ILL.

HD LAMP ELGIN - SERIES "H" 1919 WAGNER

HD LAMP



STARTING MOTOR 2337-A



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
"TROUBLE SHOOTER"
CHICAGO, ILL.

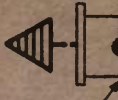
SPARK PLUGS
1
2
3
4
5
6

DYNAMO M.E. 2313

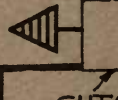
DISTRIBUTOR



IGNITION COIL

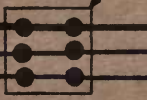


CUTOUT

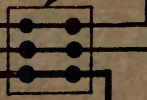


HORN BUTTON

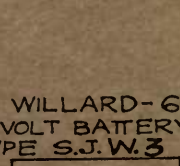
LEFT JUNCTION BLOCK



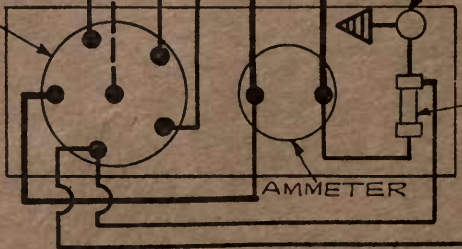
RIGHT JUNCTION BLOCK



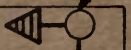
STARTING SWITCH



LIGHTING & IGNITION SW.



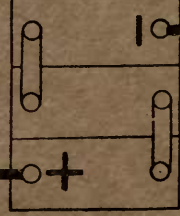
DASH L.P.



AMMETER



FUSE WILLARD-6 VOLT BATTERY TYPE S.J.W.3



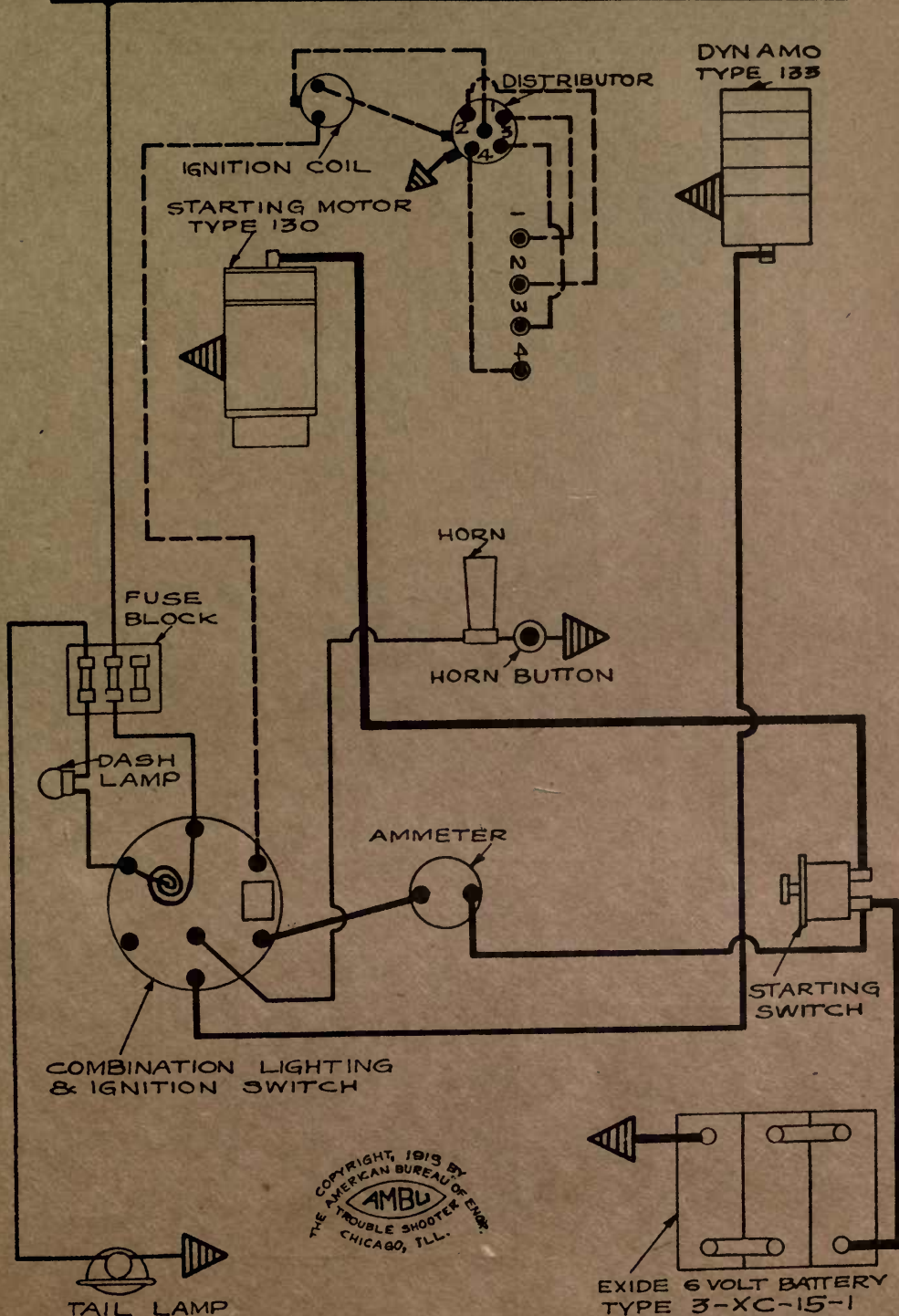
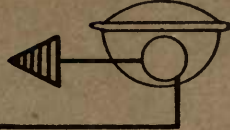
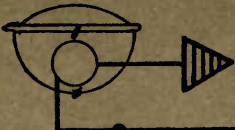
TAIL L.P.



HD. LAMPS

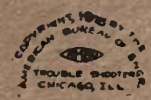
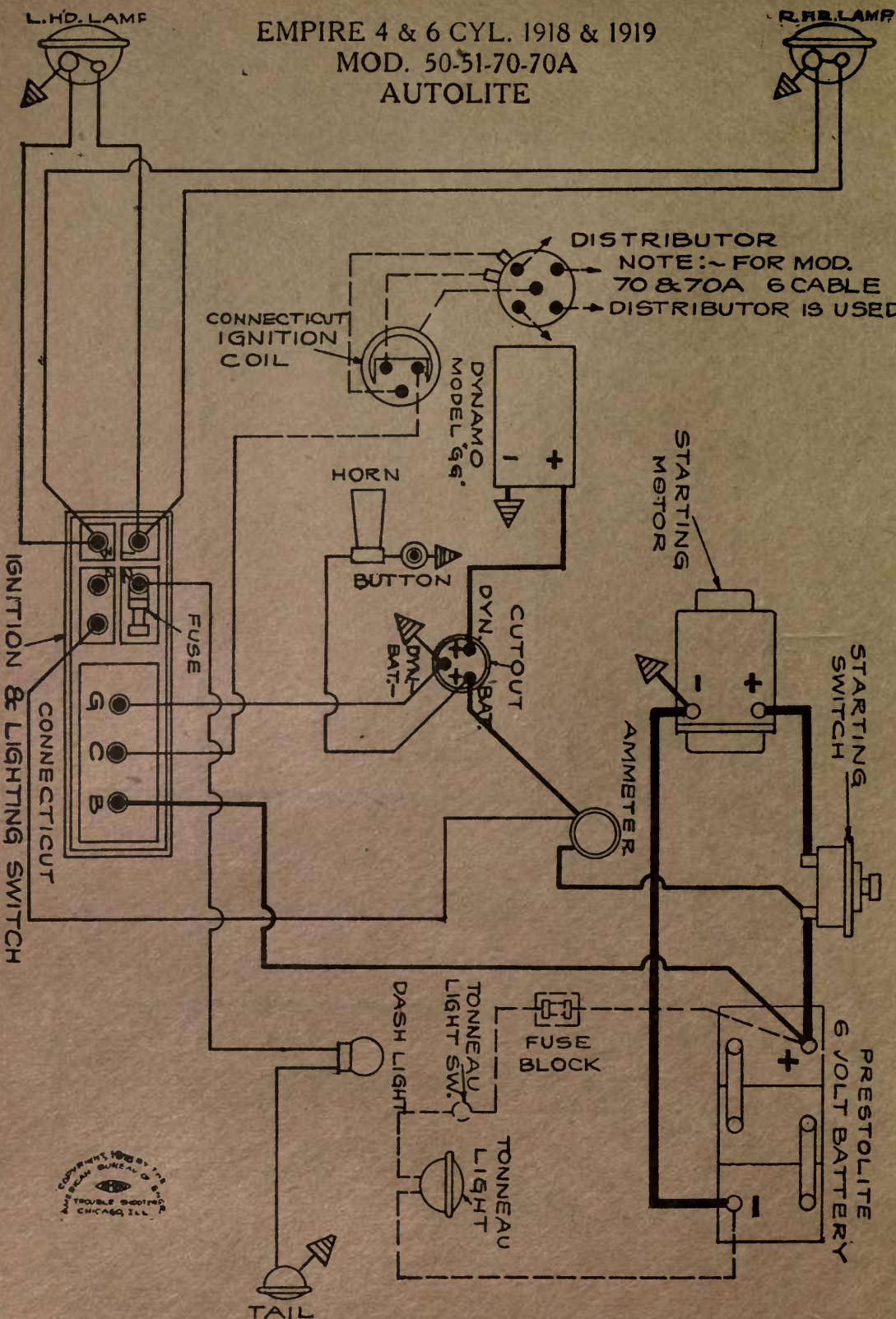
ESSEX - MOD 'A' 1919 DELCO

HD. LAMP



COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENG.
AMBU
 TROUBLE SHOOTER
 CHICAGO, ILL.

EMPIRE 4 & 6 CYL. 1918 & 1919
 MOD. 50-51-70-70A
 AUTOLITE

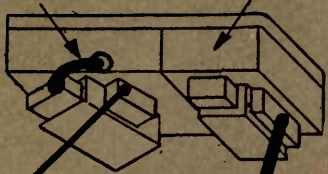


HD LAMP FORD-MOD. "T" - 1918
HEINZE - SPRINGFIELD

HD LAMP



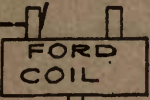
DYNAMO MOTOR



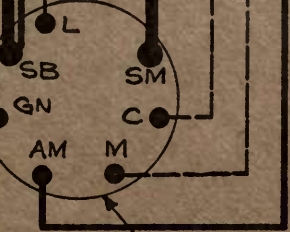
FORD MAGNETO CONTACT

FORD WIRE TO BE REMOVED

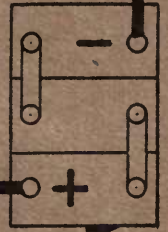
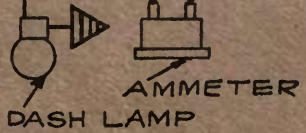
HORN



GROUND ON FORD TRANSMISSION CASE COVER



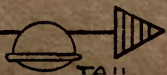
HORN BUTTON



6 VOLT BATTERY

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

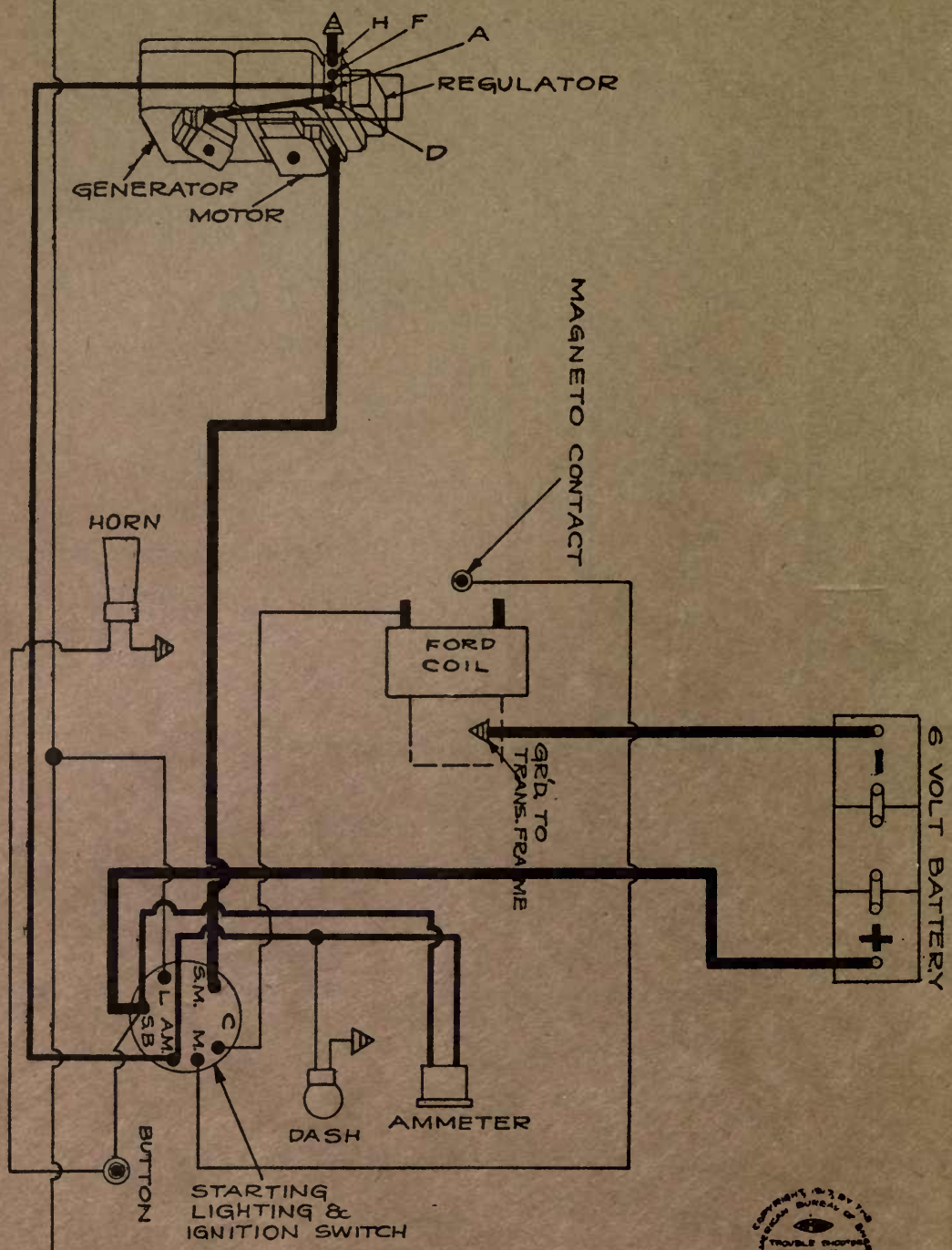
TAIL



HD. LIGHTS

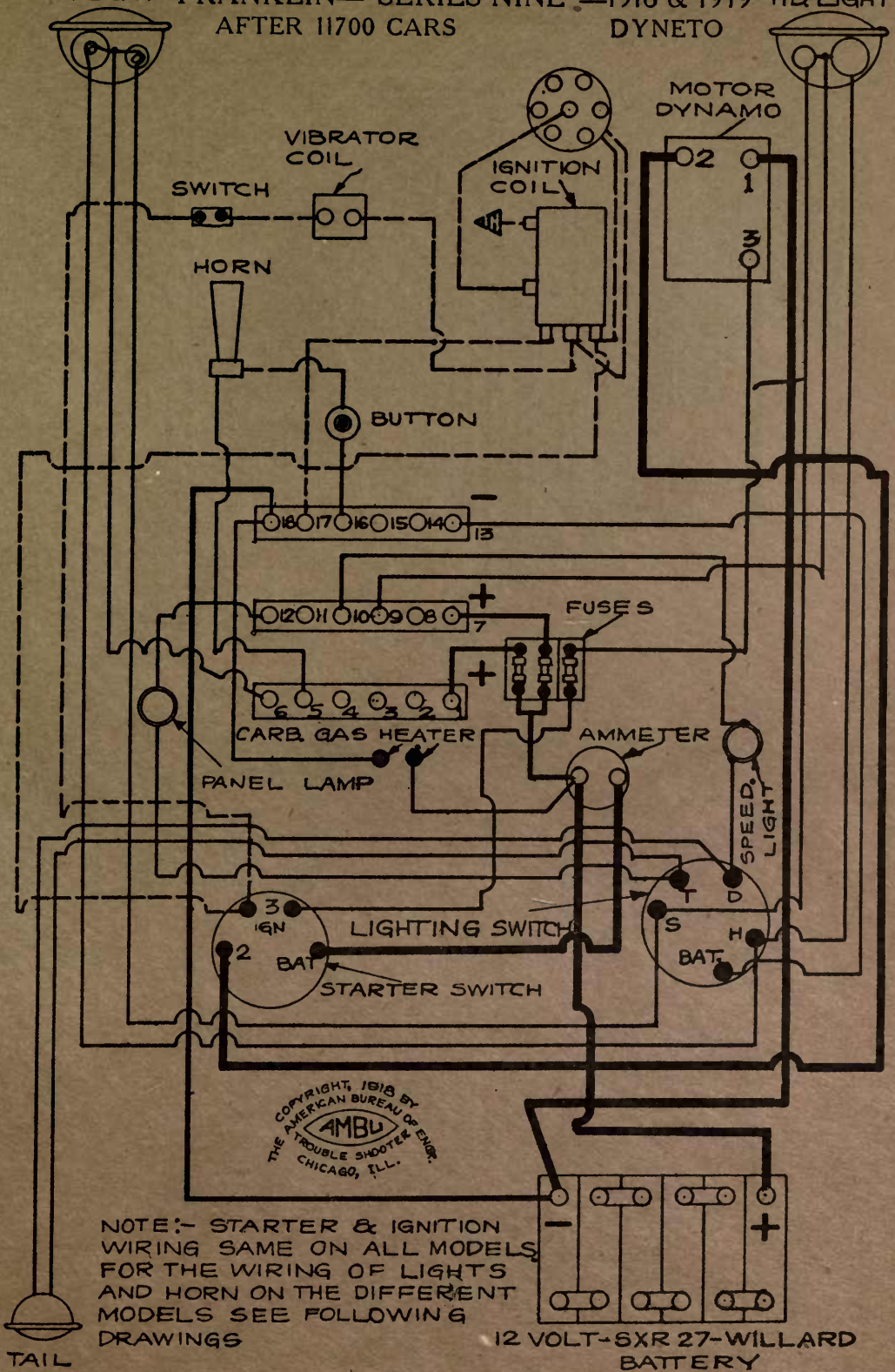
HD. LIGHTS

FORD CARS - ALL YEARS HEINZE - SPRINGFIELD



Copyright © 1917 by The
 American Bureau of Auto
 Trouble Shooting
 Chicago, Ill.

HIGH LIGHT FRANKLIN—"SERIES NINE"—1918 & 1919 HIGH LIGHT
 AFTER 11700 CARS DYNETO

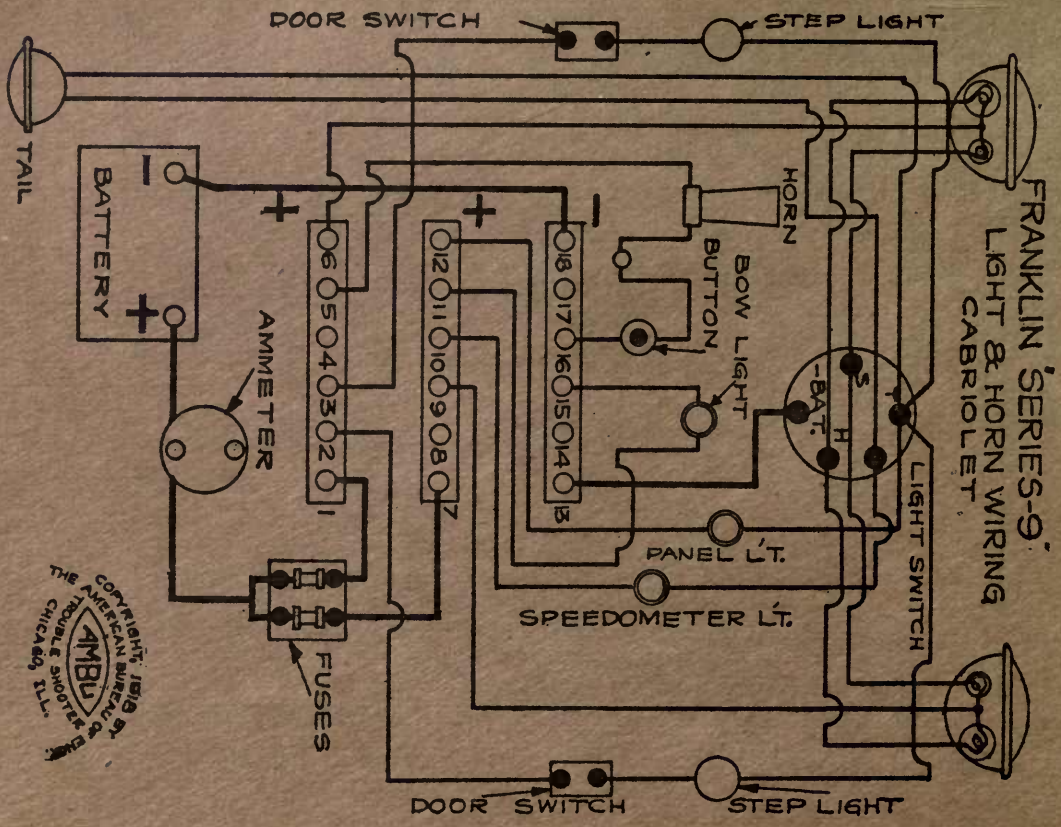
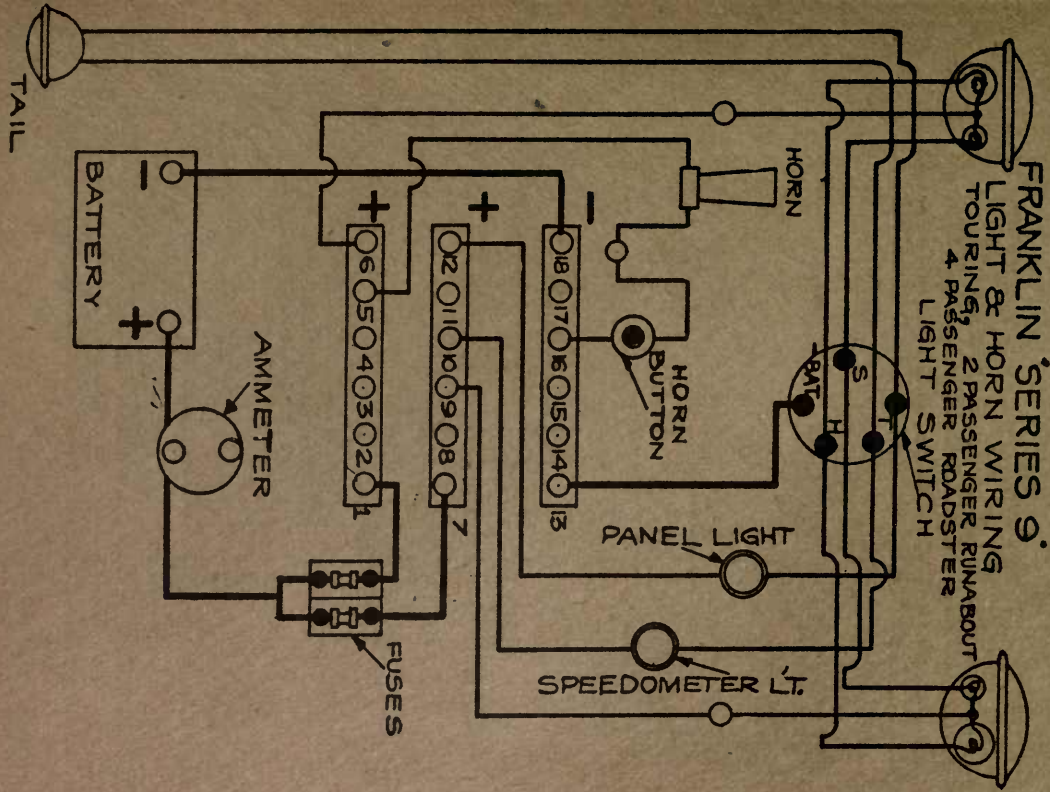


NOTE:- STARTER & IGNITION
 WIRING SAME ON ALL MODELS
 FOR THE WIRING OF LIGHTS
 AND HORN ON THE DIFFERENT
 MODELS SEE FOLLOWING
 DRAWINGS

12 VOLT-6XR 27-WILLARD
 BATTERY

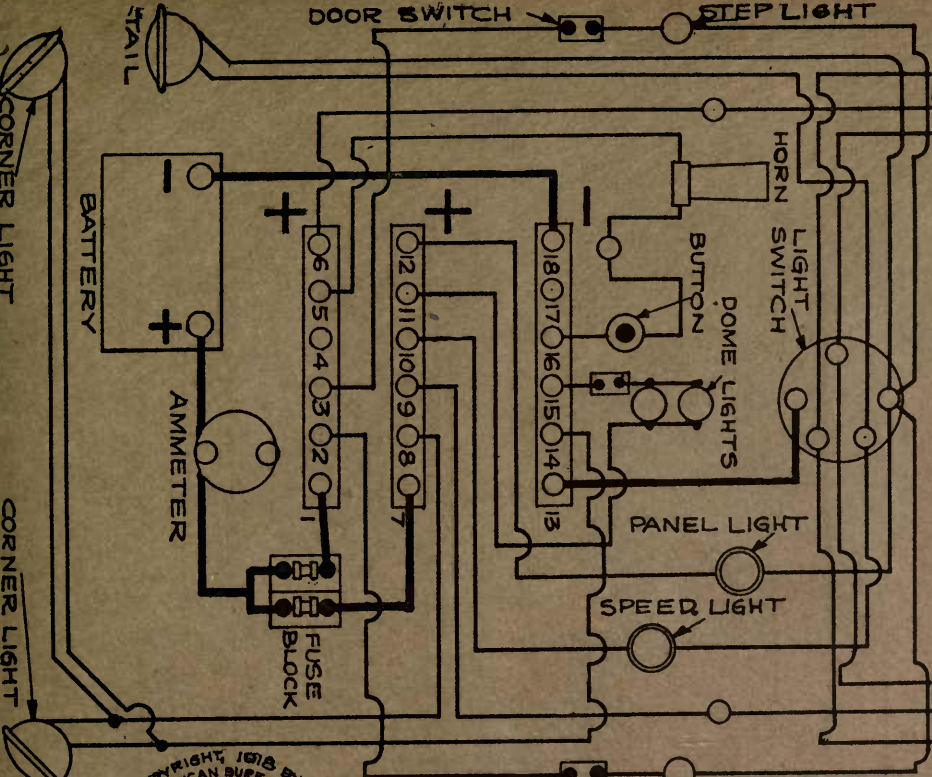
COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ELECT.
 TROUBLE SHOOTERS
 CHICAGO, ILL.

TAIL



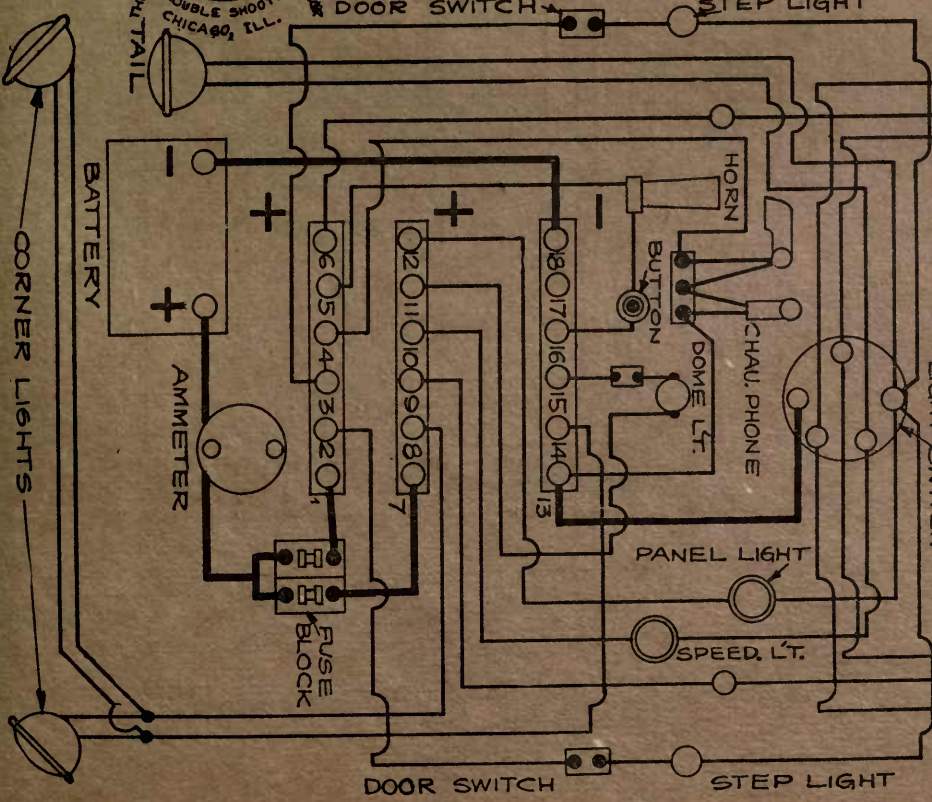
THE AMERICAN
AMBULANCE
 MOTOR CO.
 CHICAGO, ILL.

FRANKLIN 'SERIES 9'
LIGHT & HORN WIRING
BROUGHAM & SEDAN

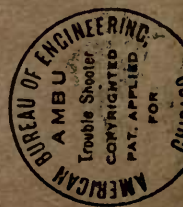
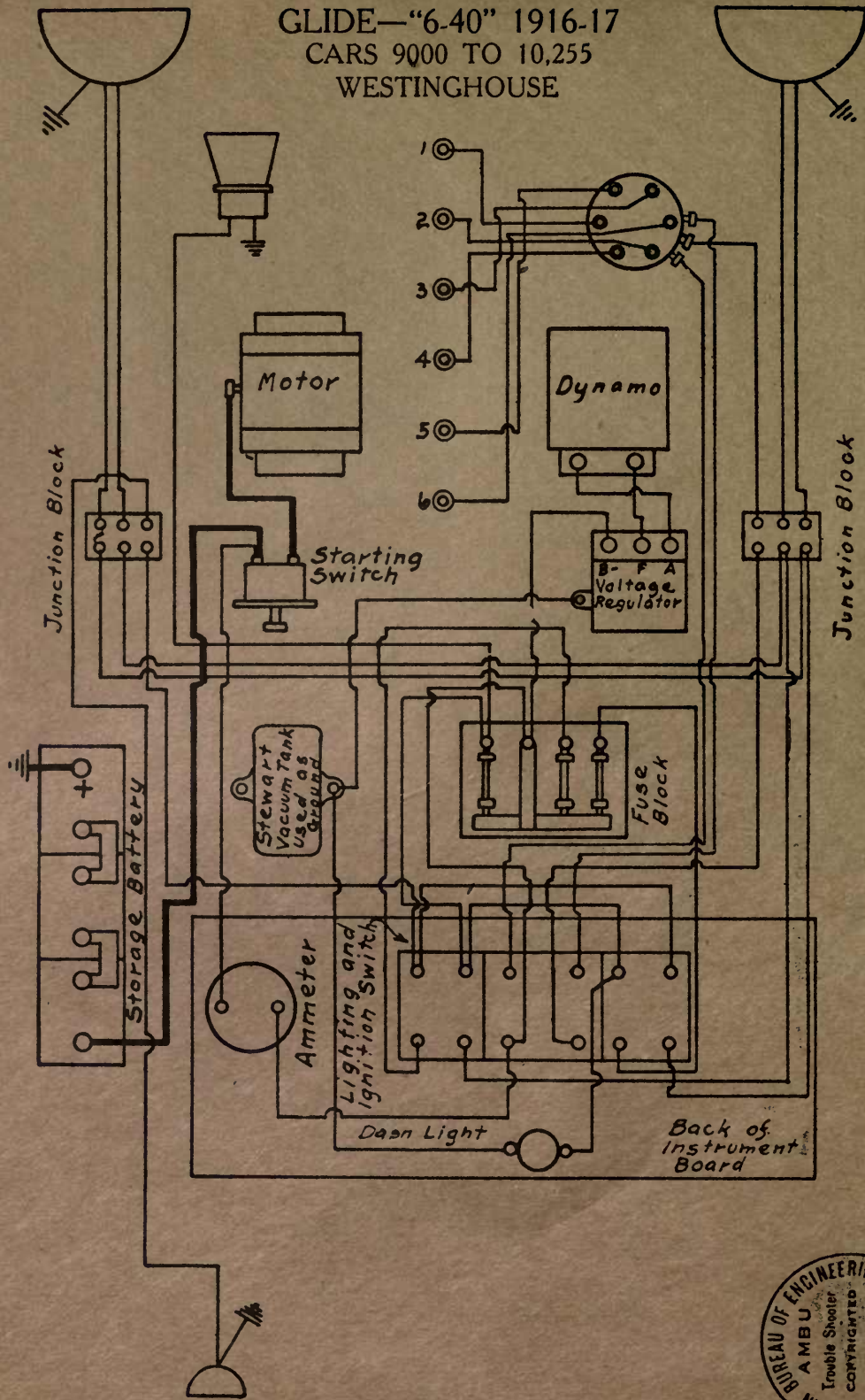


COPYRIGHT, 1918 BY
AMBU
AMERICAN BUREAU OF ENGINEERING
TROUBLE SHOOTER
CHICAGO, ILL.

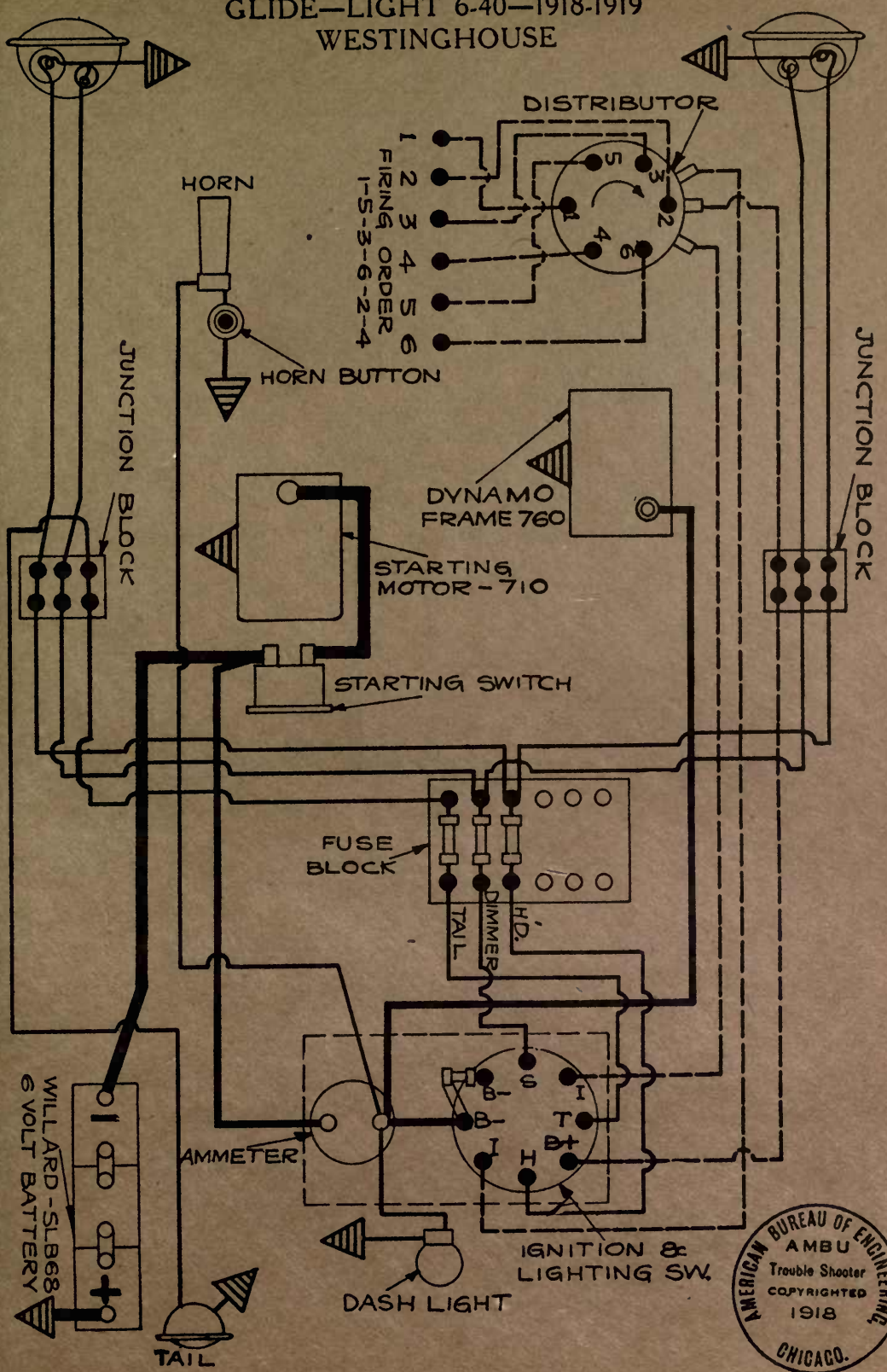
FRANKLIN 'SERIES 9'
LIGHT, HORN & PHONE WIRING
TOWN CAR & LIMOUSINE



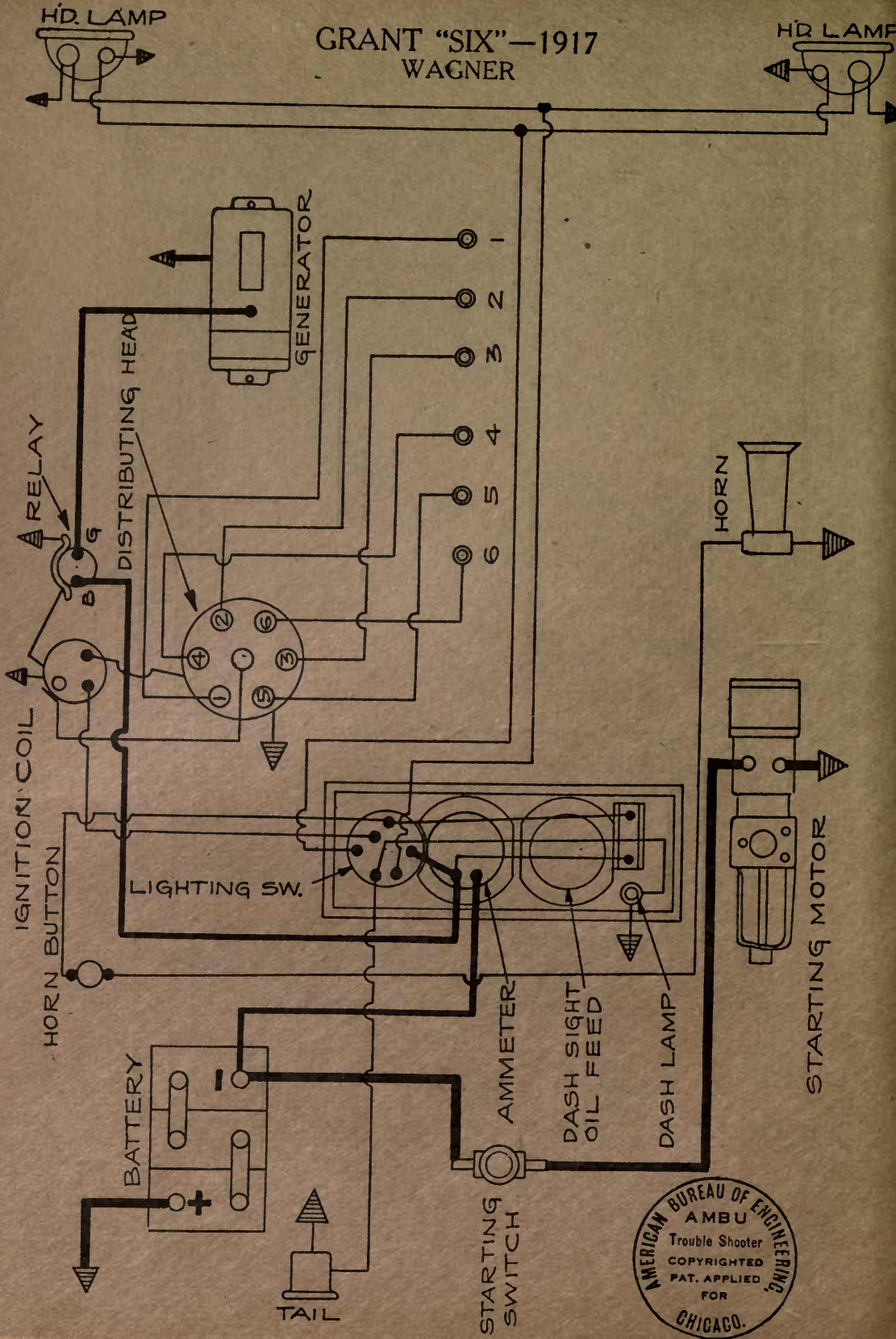
GLIDE—"6.40" 1916-17
 CARS 9000 TO 10,255
 WESTINGHOUSE



GLIDE—LIGHT 6-40—1918-1919
WESTINGHOUSE



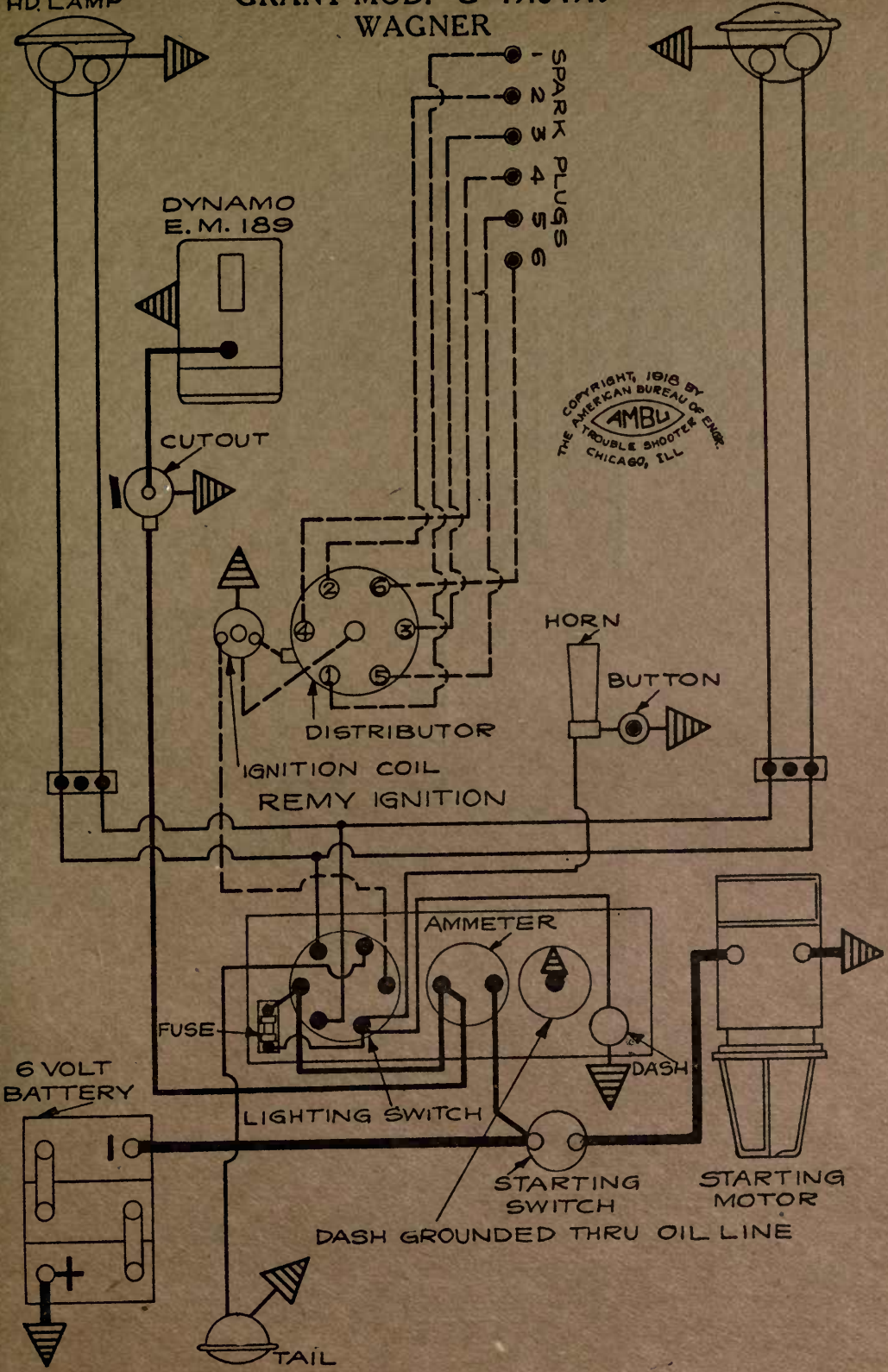
GRANT "SIX"—1917 WAGNER



HD. LAMP

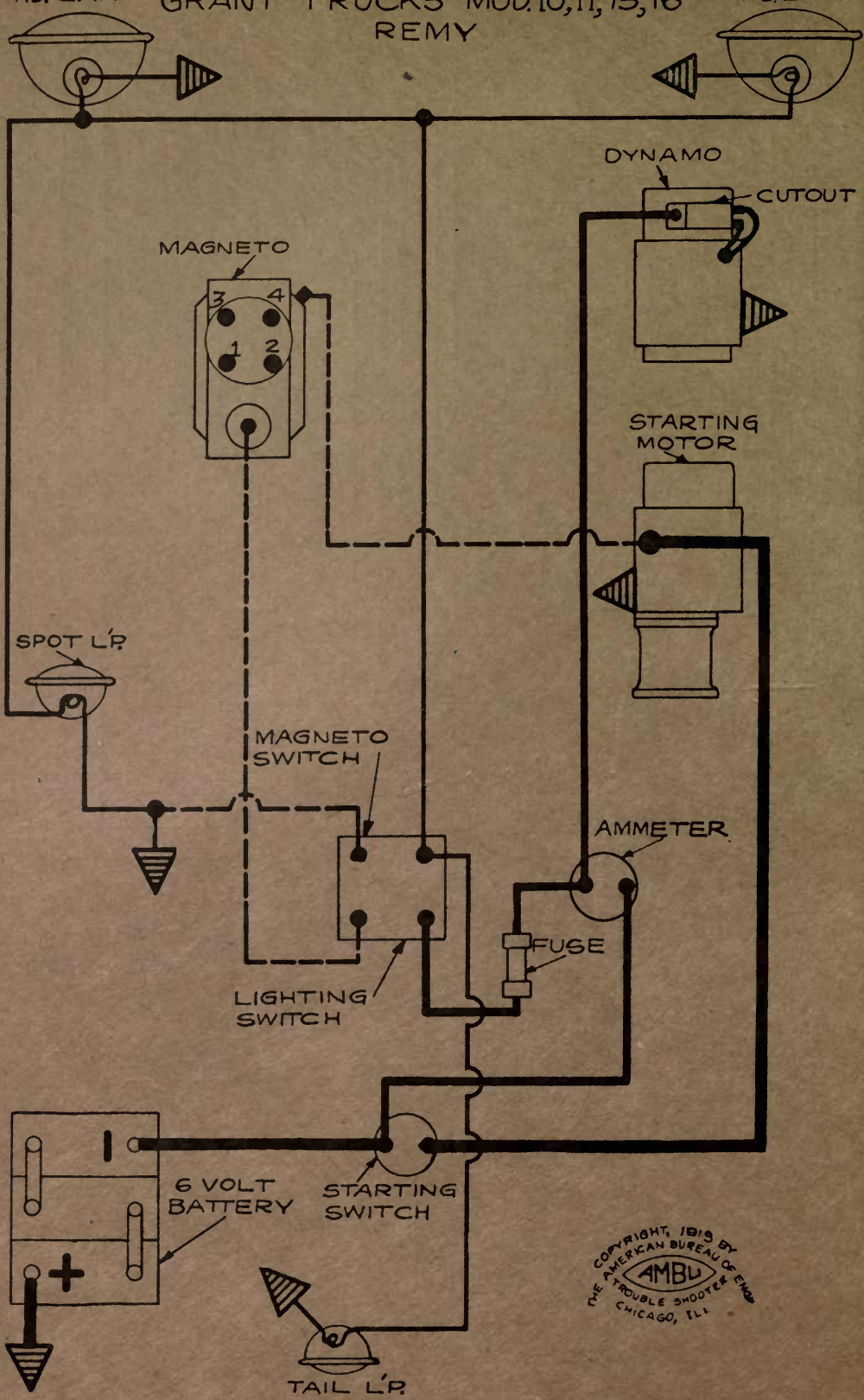
GRANT MOD. "G" 1918-1919 WAGNER

HD. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINE
 AMBU
 TROUBLE SHOOTER
 CHICAGO, ILL

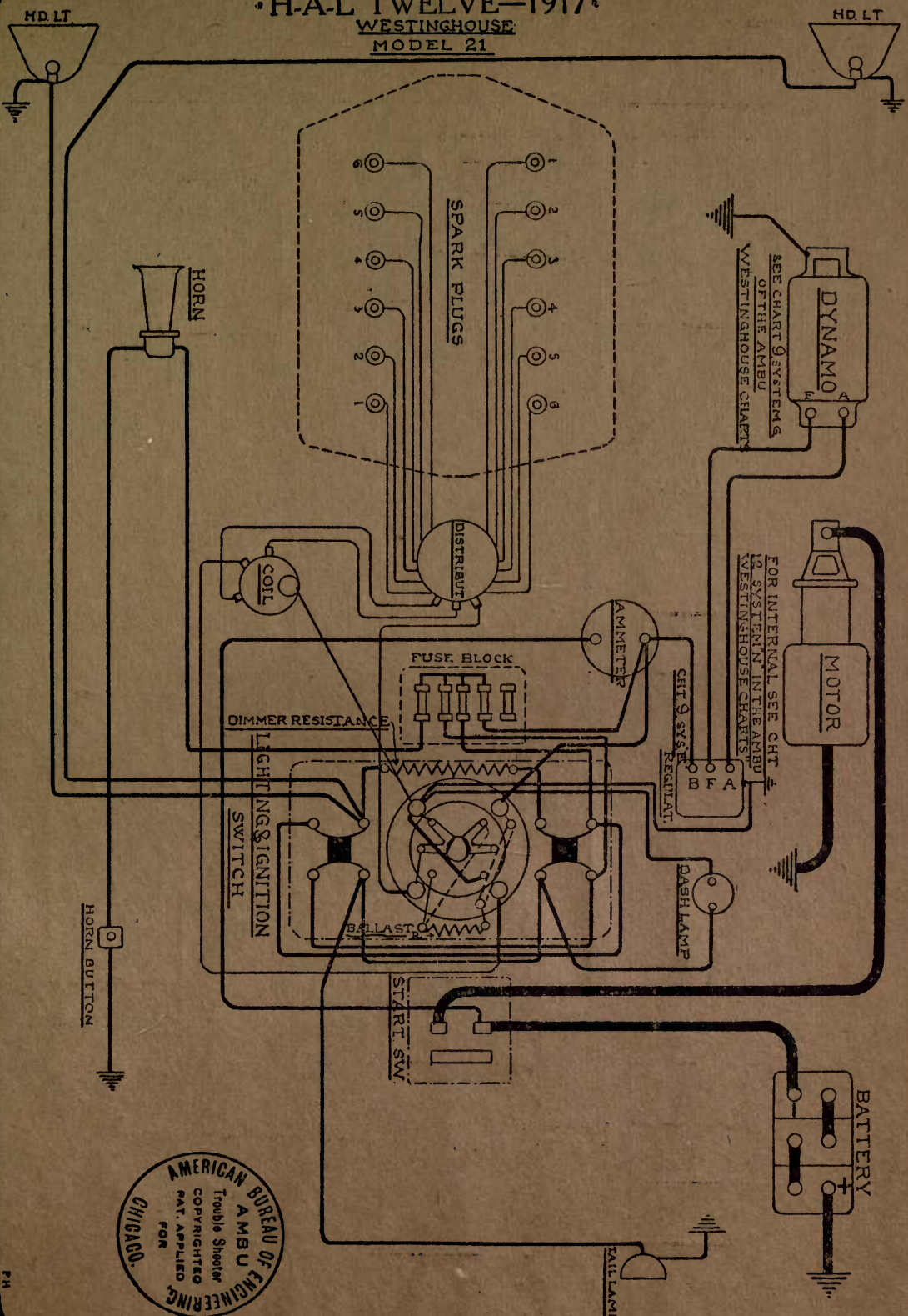
GRANT TRUCKS - MOD. 10, 11, 15, 16
REMY



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.



• H-A-L TWELVE—1917
WESTINGHOUSE
 MODEL 21

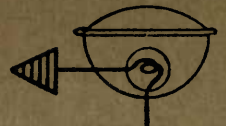
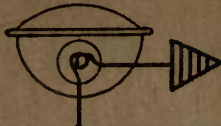


AMERICAN BUREAU OF ENGINEERING
CHICAGO
 Trouble Shooter
 COPYRIGHTED
 PAT. APPLIED
 FOR

H.D. LAMP

HARROUN—1917-1918-1919 REMY

H.D. LAMP



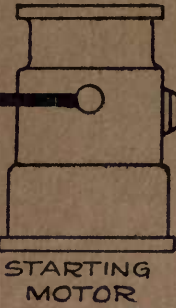
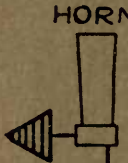
ATWATER KENT IGNITION SYSTEM



SPARK PLUGS
FIRING ORDER 1-3-4-2



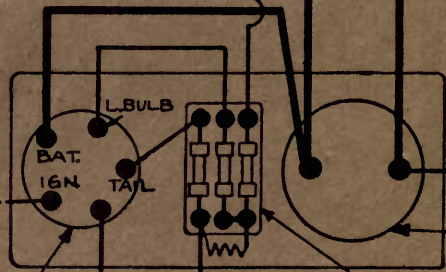
HORN



STARTING MOTOR

BUTTON

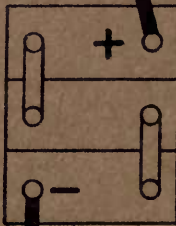
STARTING SWITCH



AMMETER

FUSE BLOCK

BATTERY



LIGHTING & IGNITION SW.



INSTRUMENT LIGHT

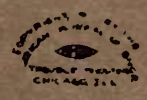
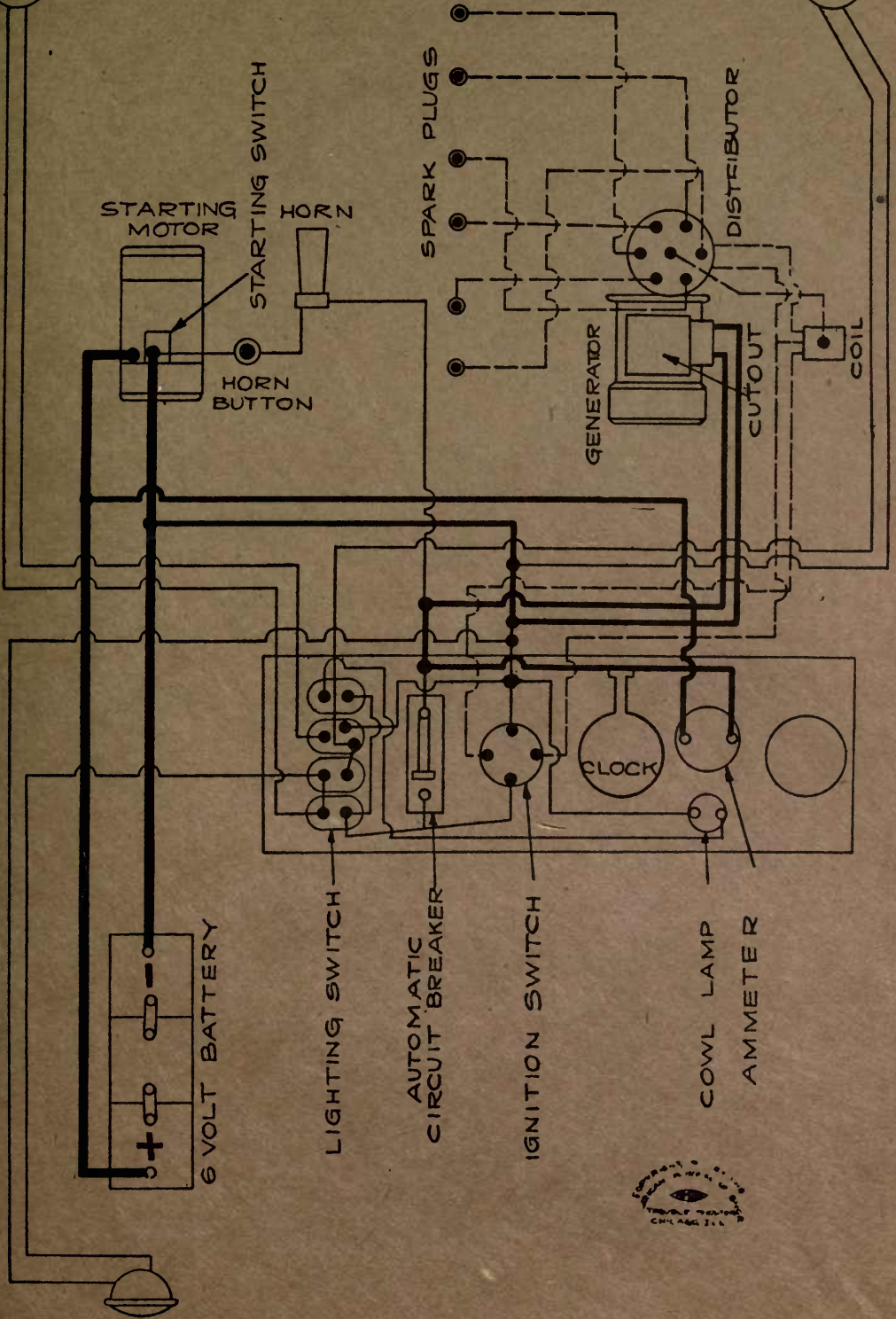


COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF CARB
AMBU
THE TROUBLE SHOOTER & CARB
CHICAGO, ILL.

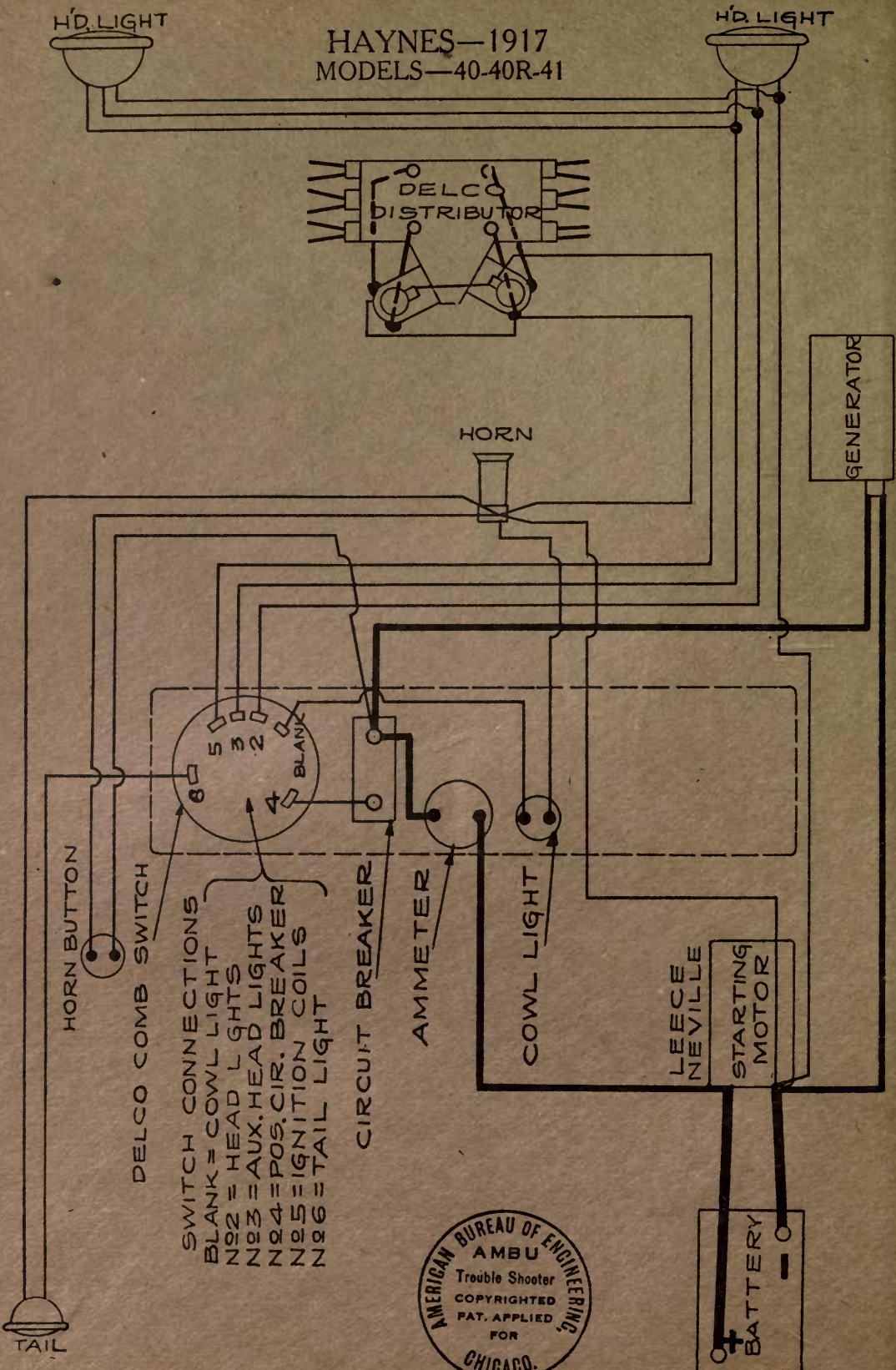
HD LIGHT

HAYNES-36, 37, 37R-1916-1917 LEECE-NEVILLE

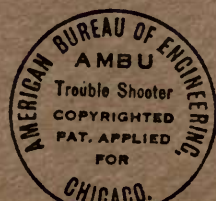
HD LIGHT



HAYNES—1917
MODELS—40-40R-41



SWITCH CONNECTIONS
 BLANK = COWL LIGHT
 NO2 = HEAD LIGHTS
 NO3 = AUX. HEAD LIGHTS
 NO4 = POS. CIR. BREAKER
 NO5 = IGNITION COILS
 NO6 = TAIL LIGHT



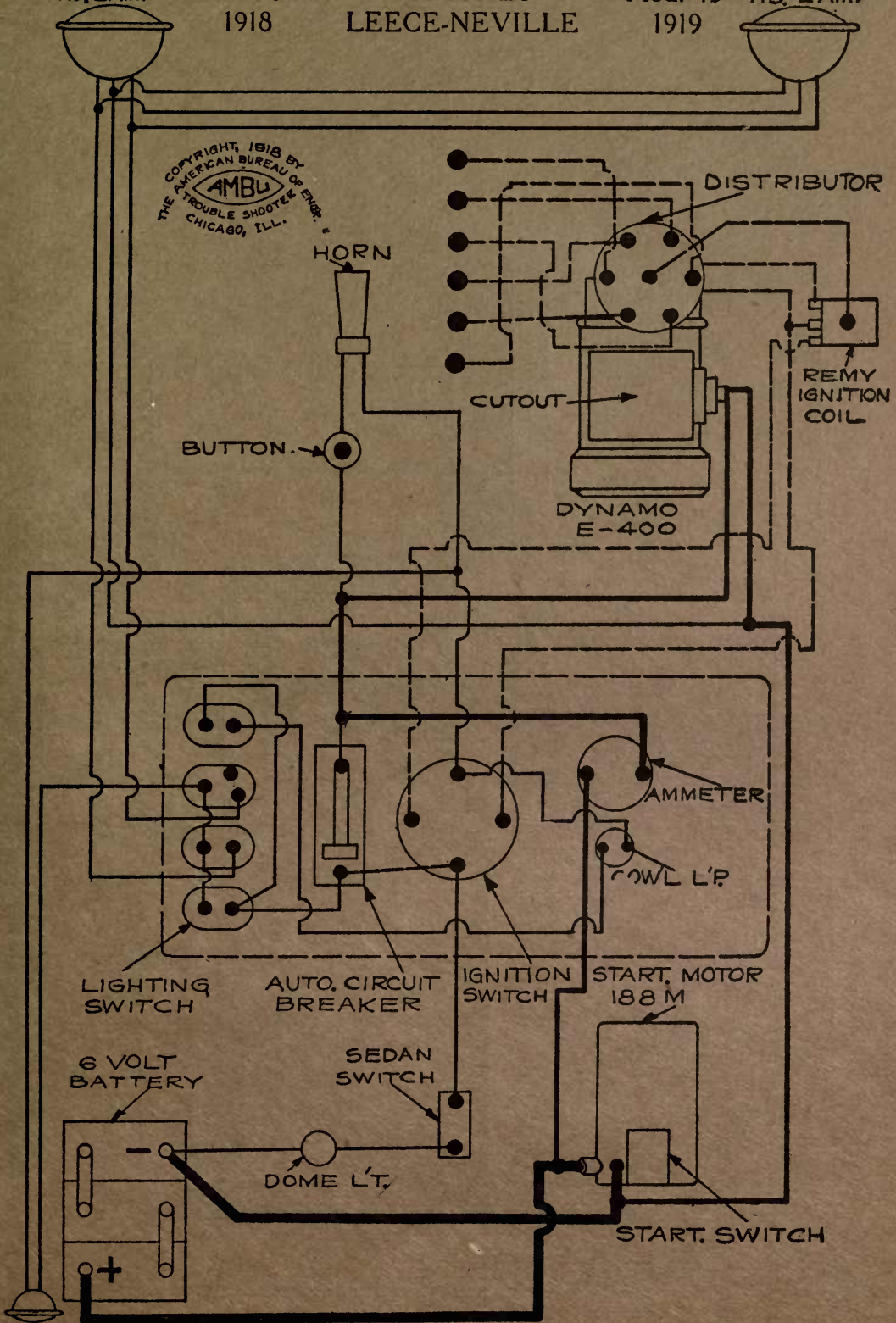
LEECE-NEVILLE

H'D. LAMP Mod. 38-39
1918

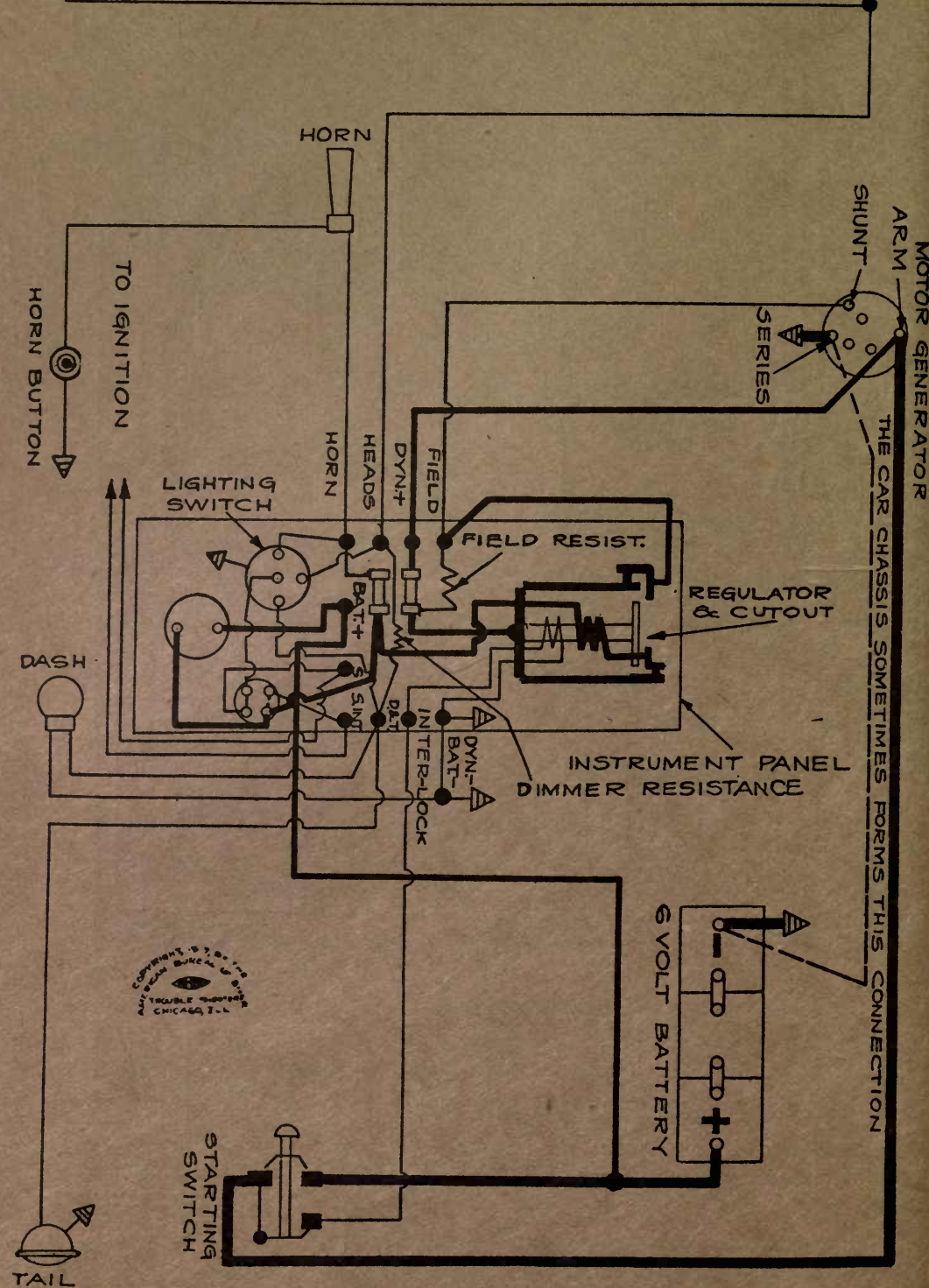
HAYNES
LEECE-NEVILLE

Mod. 45
1919 H'D. LAMP

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.



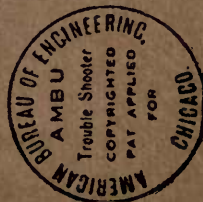
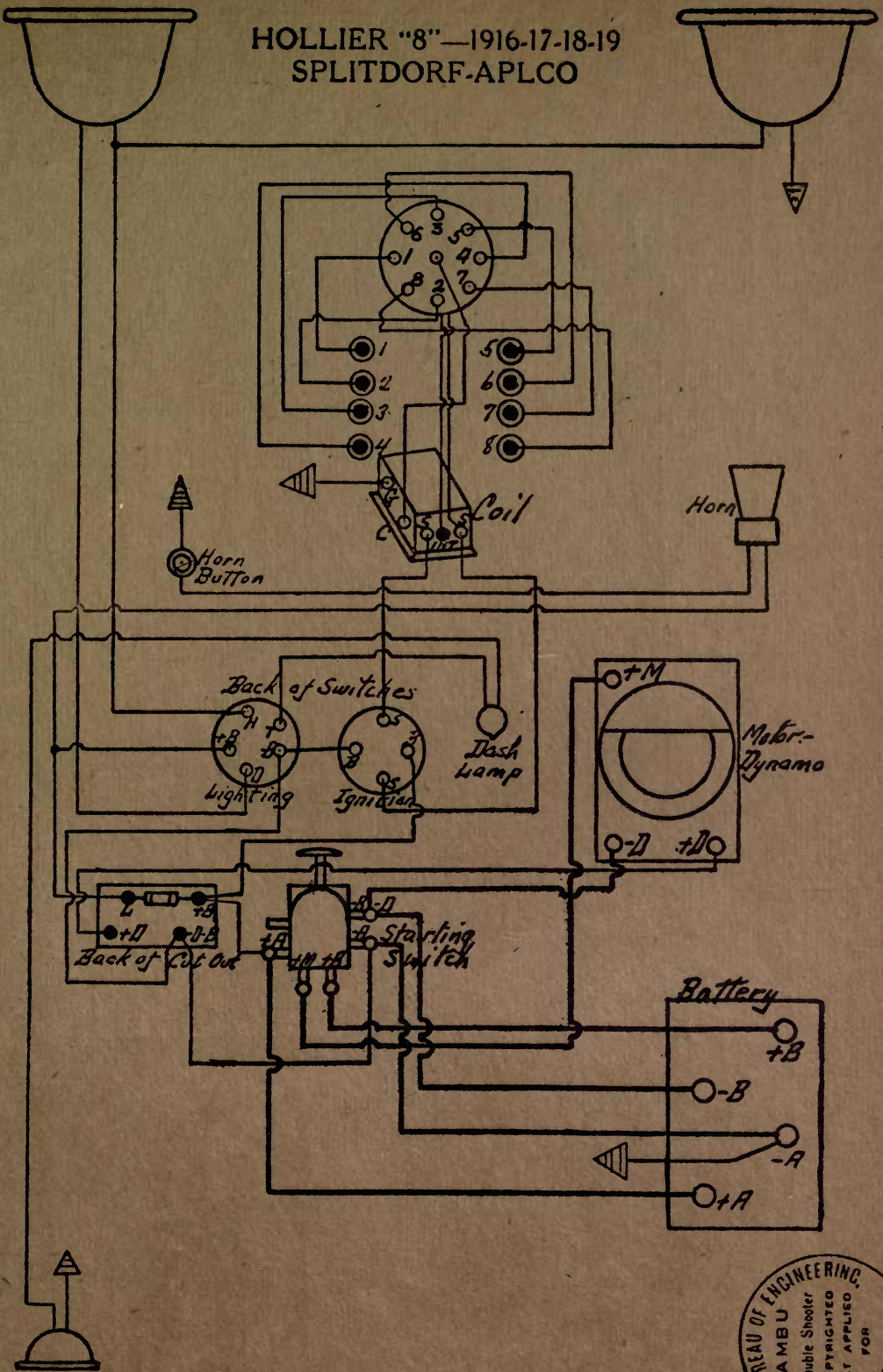
HOLLIER "Mod. 176" 1917-1918-1919
ALLIS-CHALMERS



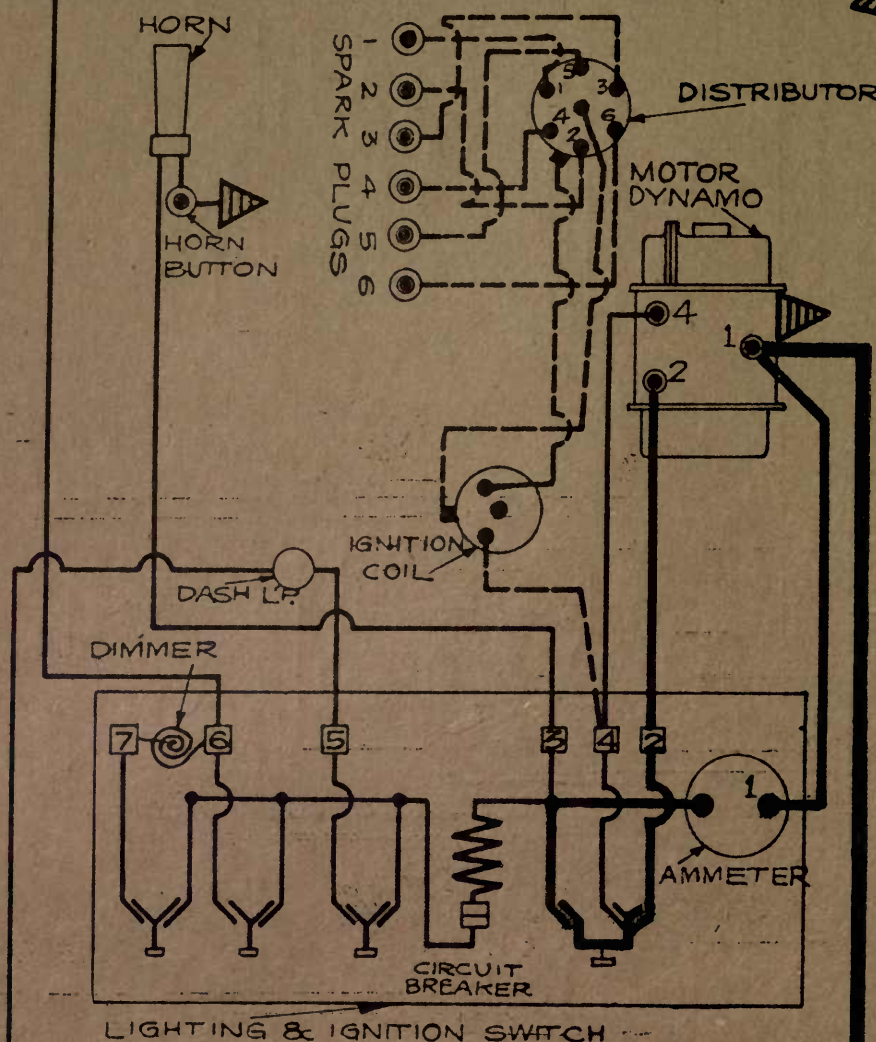
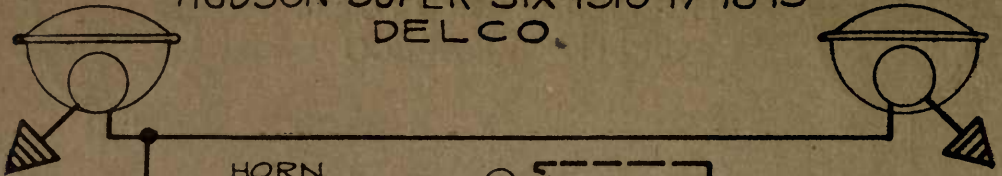
COPYRIGHT © 1919 BY THE
AUTOMOBILE BUREAU OF THE
MOTOR VEHICLE MANUFACTURERS
CHICAGO, ILL.

THE CAR CHASSIS SOMETIMES FORMS THIS CONNECTION

HOLLIER "8"—1916-17-18-19
SPLITDORF-APLCO

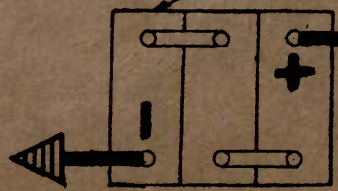


HD. LAMP HUDSON SUPER-SIX '1916-17-18-19' HD. LAMP
DELCO



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBL
THE TROUBLE SHOOTER
CHICAGO, ILL.

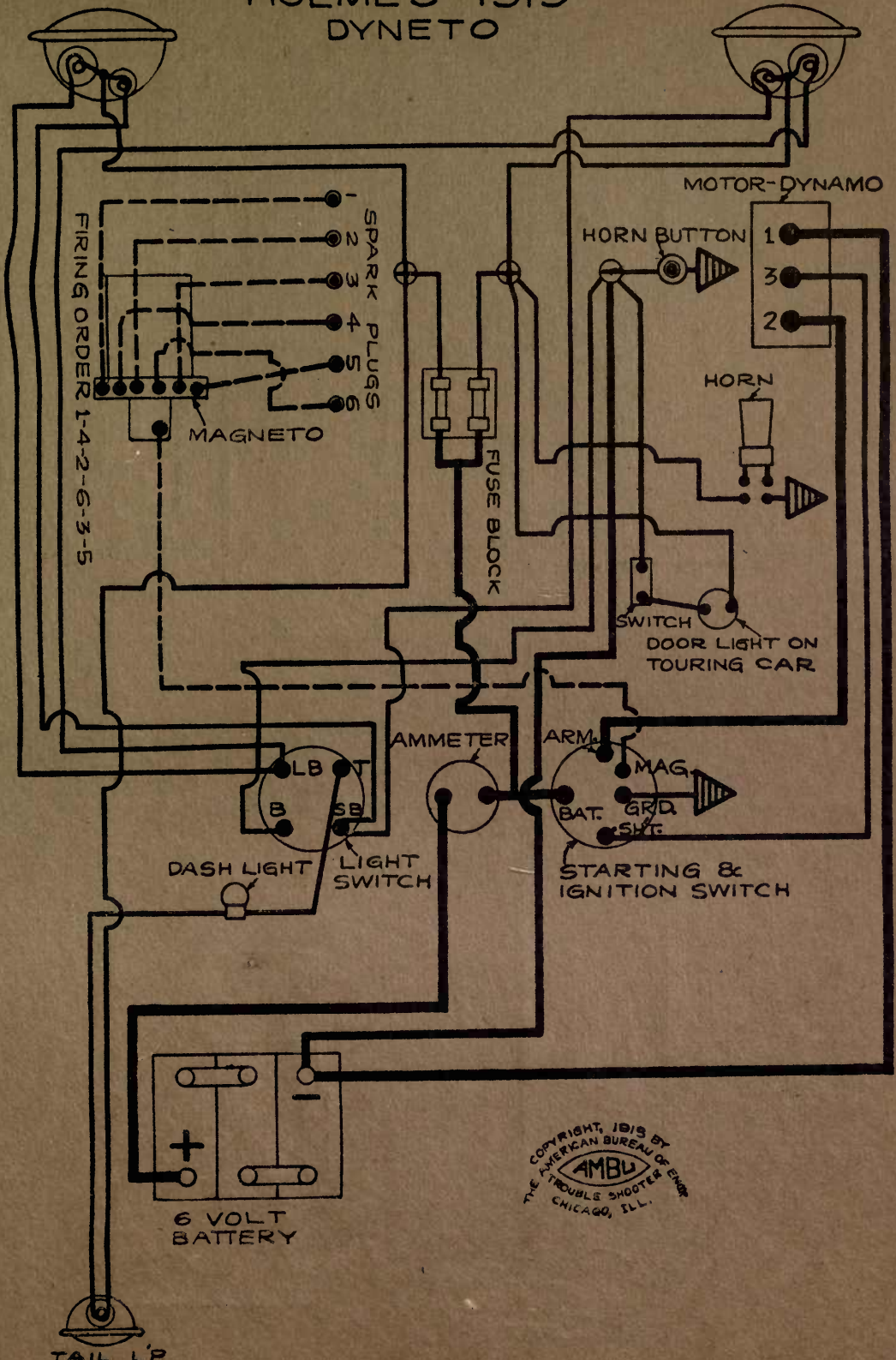
6 VOLT BATTERY



H'D LAMP

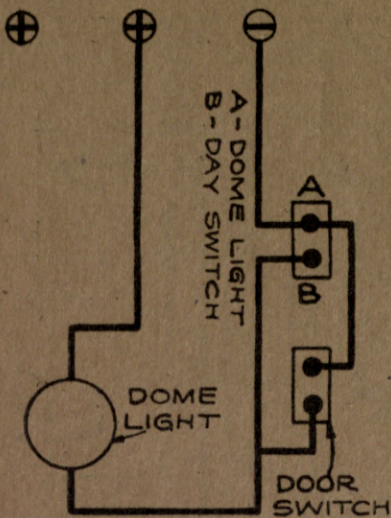
HOLMES-1919 DYNETO

H'D. LAMP



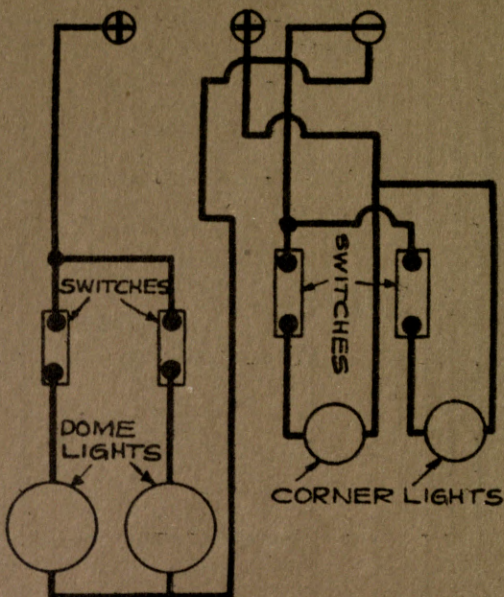
COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 TROUBLE SHOOTERS
 CHICAGO, ILL.

HOLMES-1919
2 DOOR SEDAN
BODY WIRING

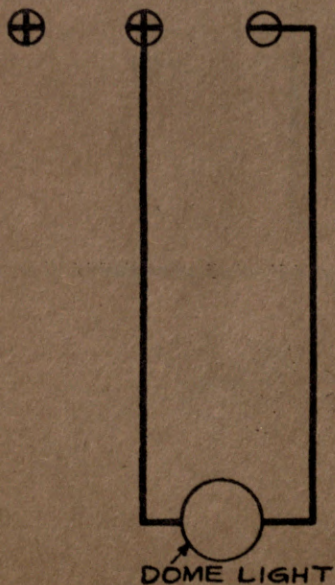


COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
"THE TROUBLE SHOOTER"
CHICAGO, ILL.

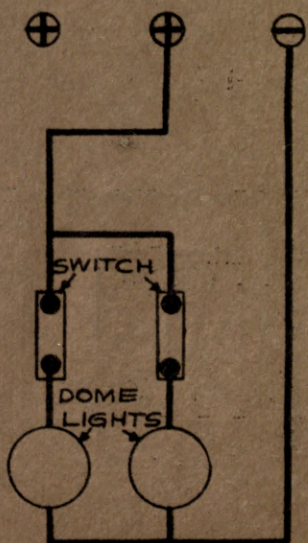
HOLMES-1919
LIMOUSINE
BODY WIRING



HOLMES-1919
CABRIOLET
BODY WIRING



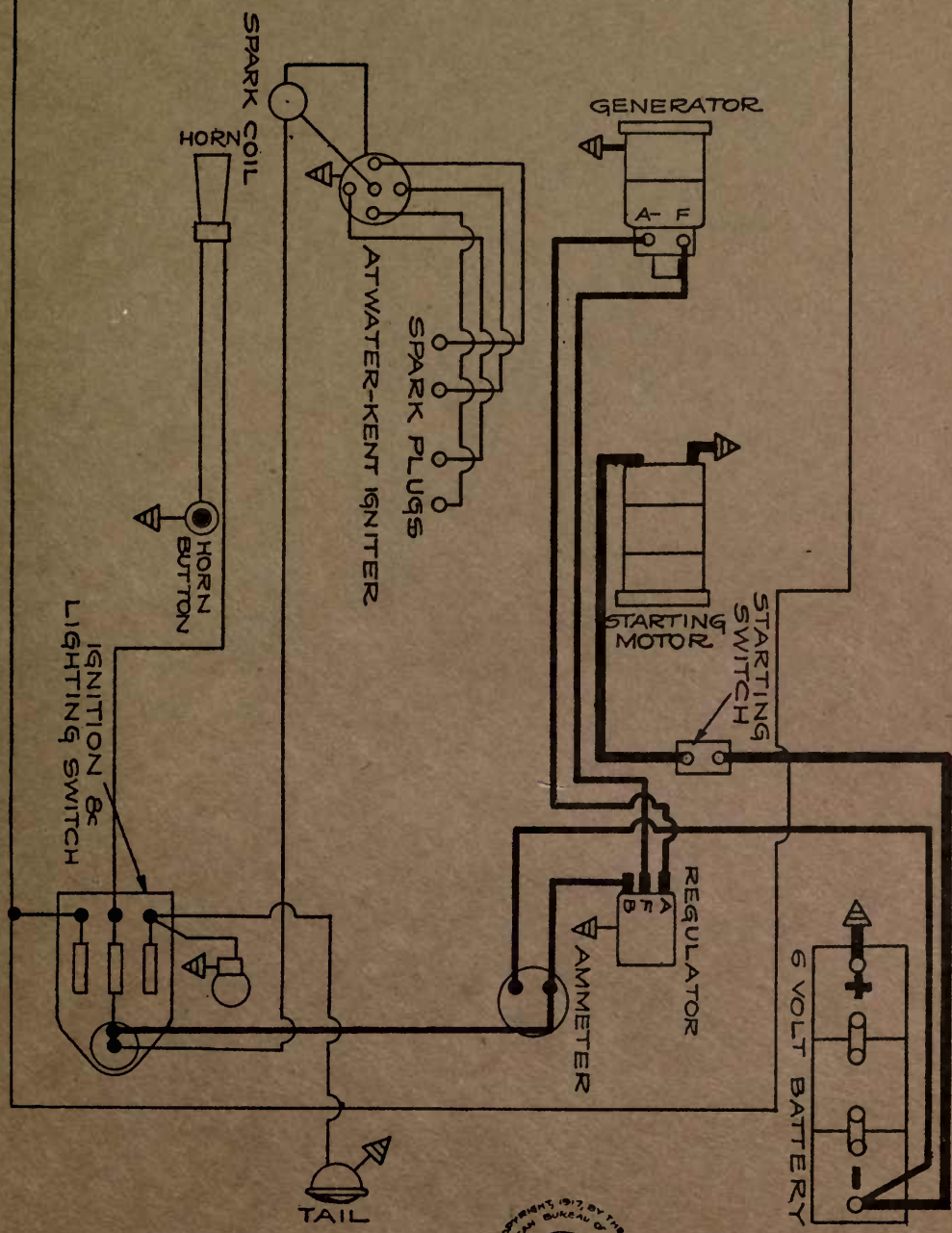
HOLMES-1919
FOUR DOOR SEDAN
BODY WIRING



HD. LIGHT

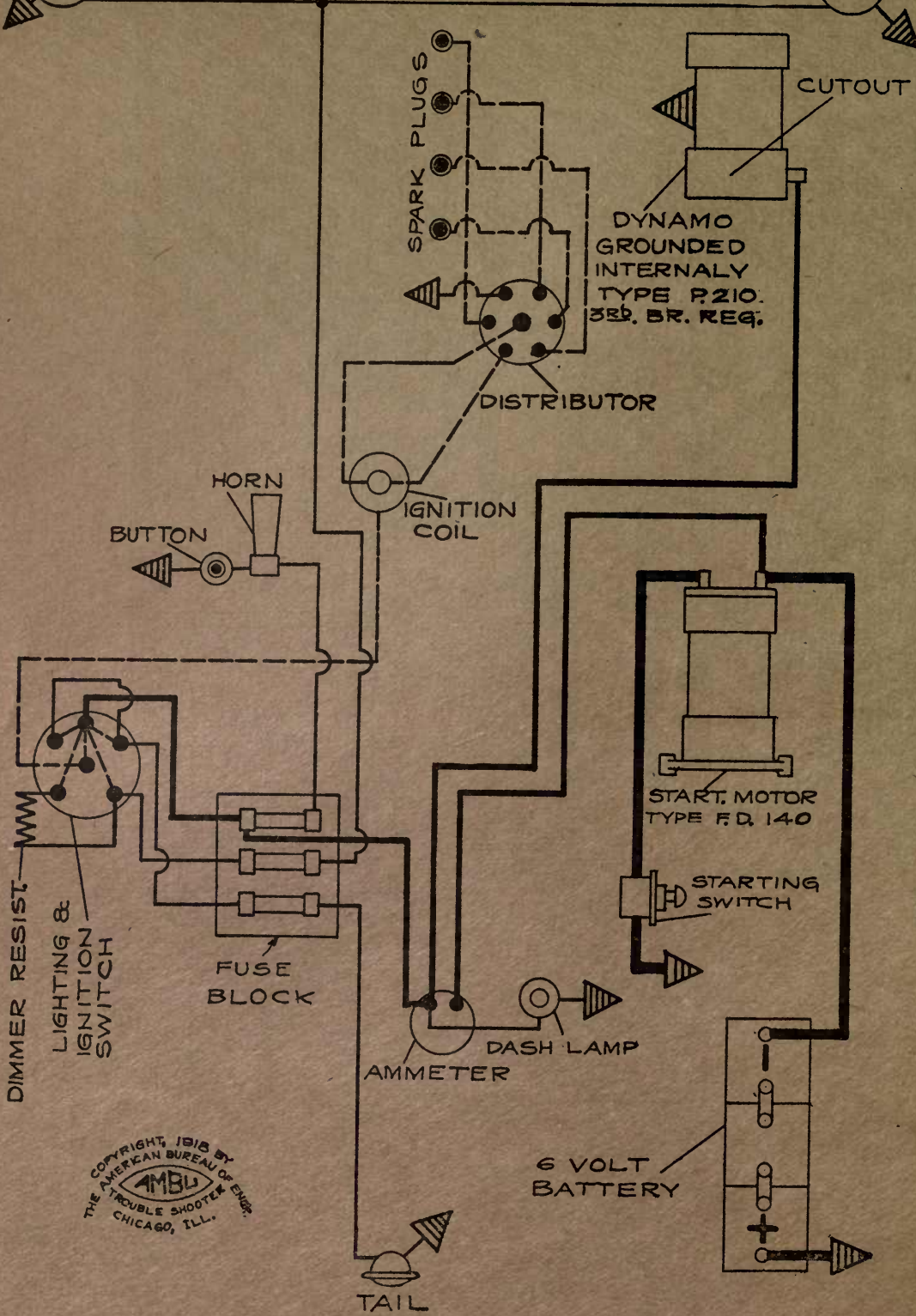
HD. LIGHT

WESTINGHOUSE - "1917" HUPMOBILE "N"-CARS AFTER 75,000



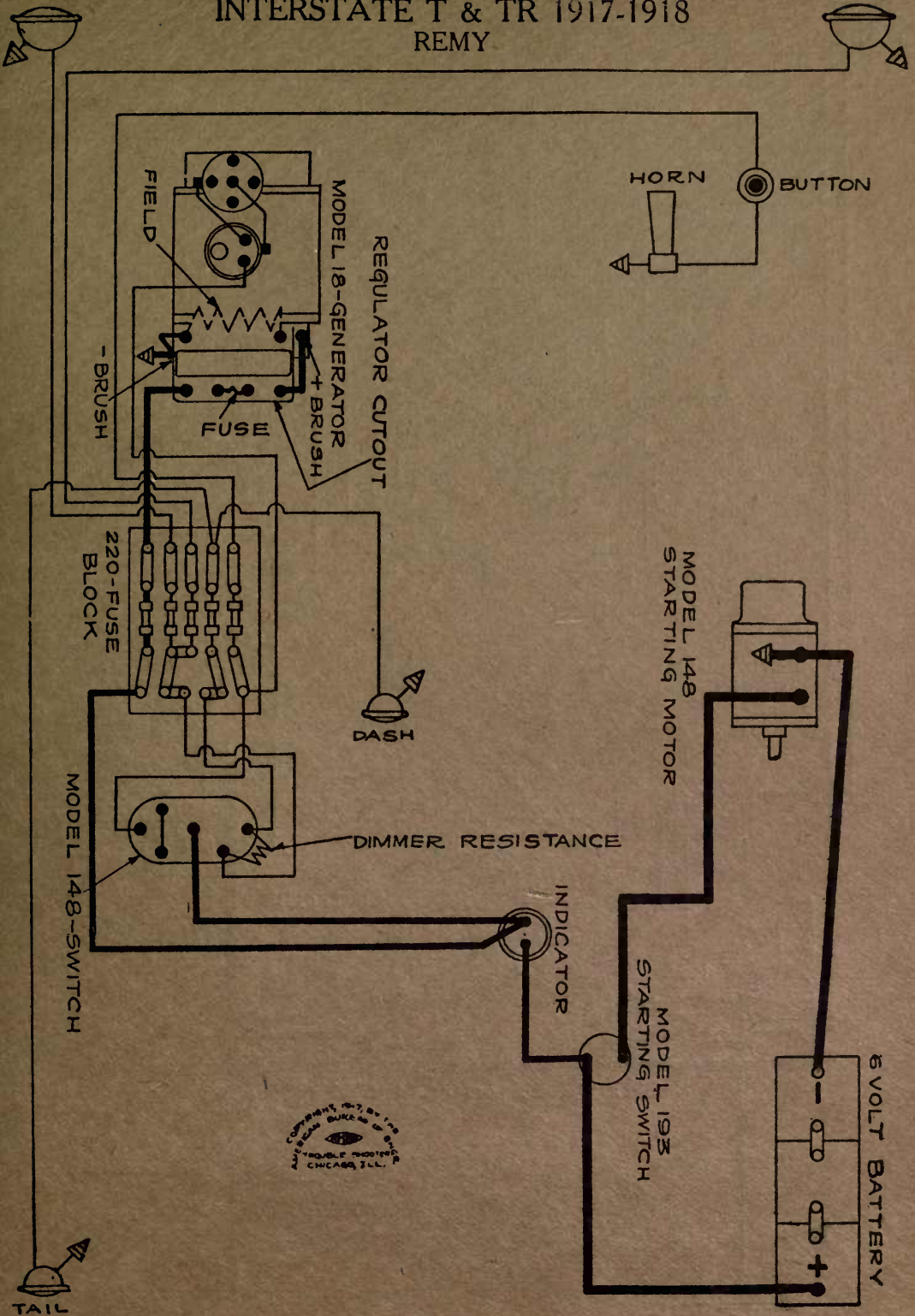
COPYRIGHTS 1917, BY THE
 AMERICAN BUREAU OF
 TROUBLE SHOOTING
 CHICAGO, ILL.

HD. LAMP HUPMOBILE - MODEL "R" - 1917 & 1918 BIJUR HD LAMP



COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG'G.
AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.

INTERSTATE T & TR 1917-1918 REMY

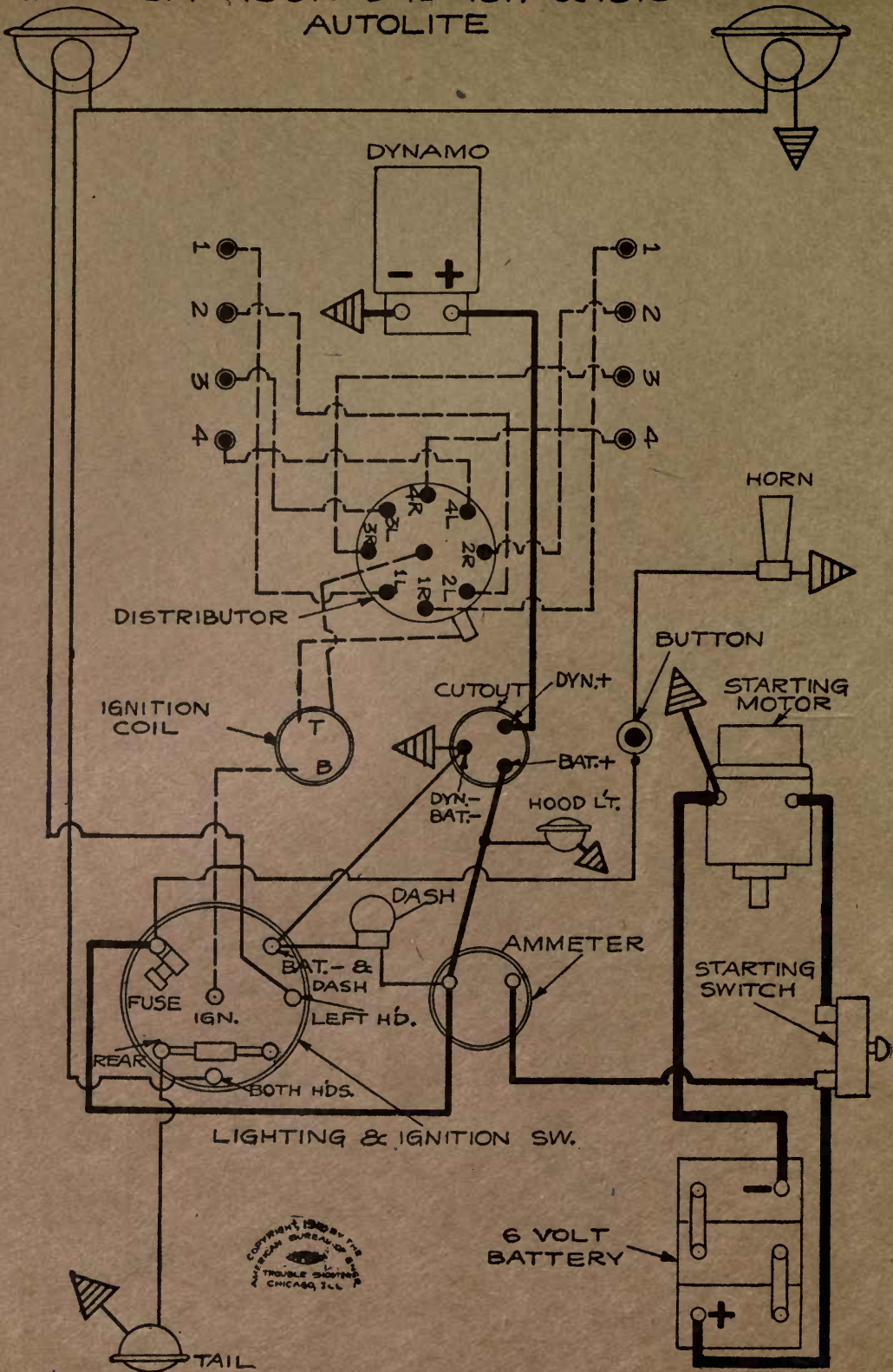


COPYRIGHT, 1917, BY THE
REMY BUREAU OF CHICAGO, ILL.
REMY BUREAU OF CHICAGO, ILL.

HDLAMP

JACKSON-349-1917 & 1918 AUTOLITE

HDLAMP

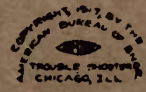
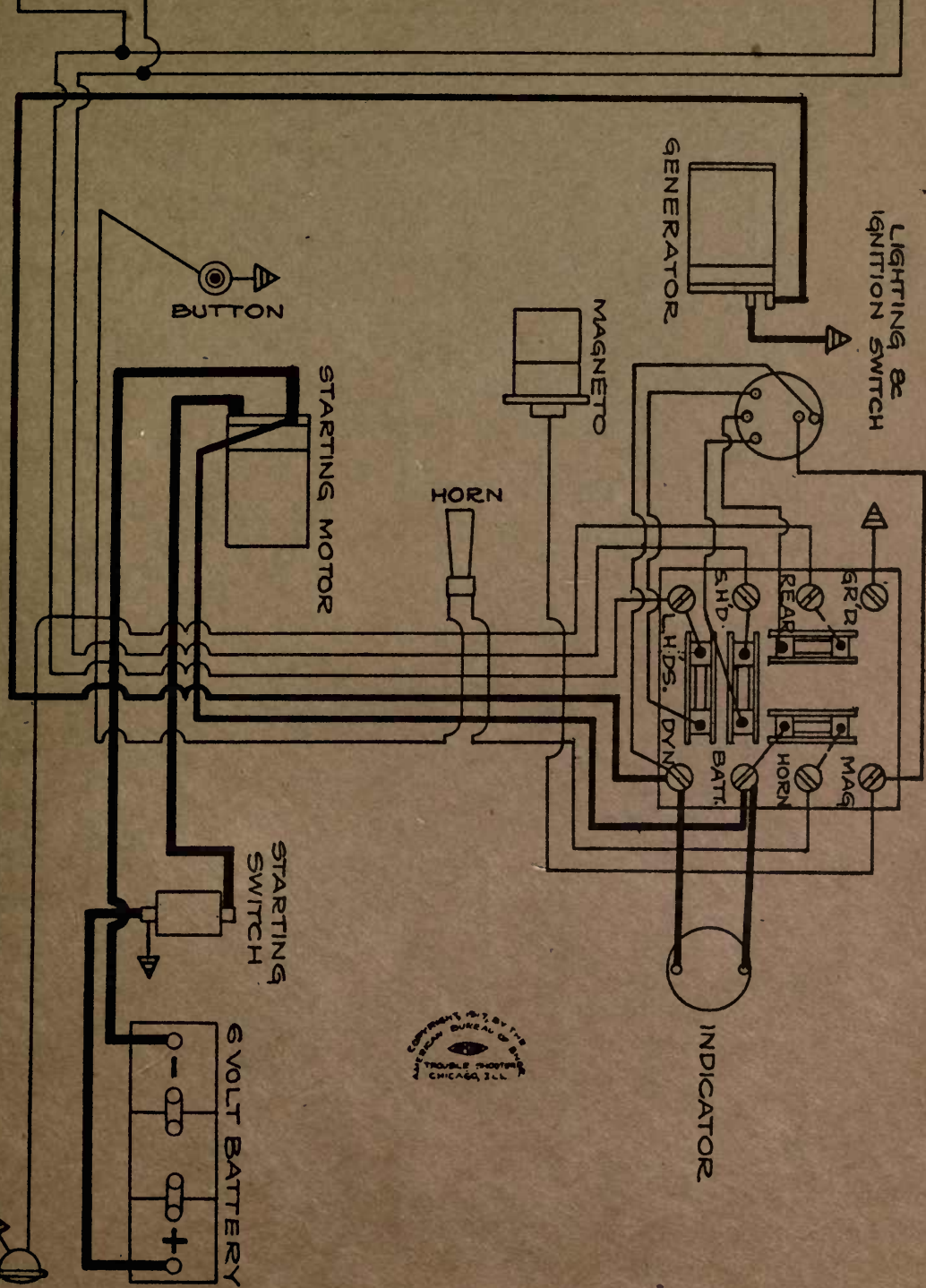


COPYRIGHT 1918 BY THE
 AUTOLITE BUREAU OF THE
 AUTOLITE DIVISION
 CHICAGO ILL

BIJUR '1917'
JEFFERY-671-6

HD. LIGHT

HD. LIGHT.



TAIL

HQ. LAMP

JEFFERY TRUCK "1918"

HQ. LAMP

BIJUR
MODEL 2017

DISTRIBUTOR

DYNAMO

IGNITION COIL

STARTING SWITCH

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF DIAGNOSIS
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

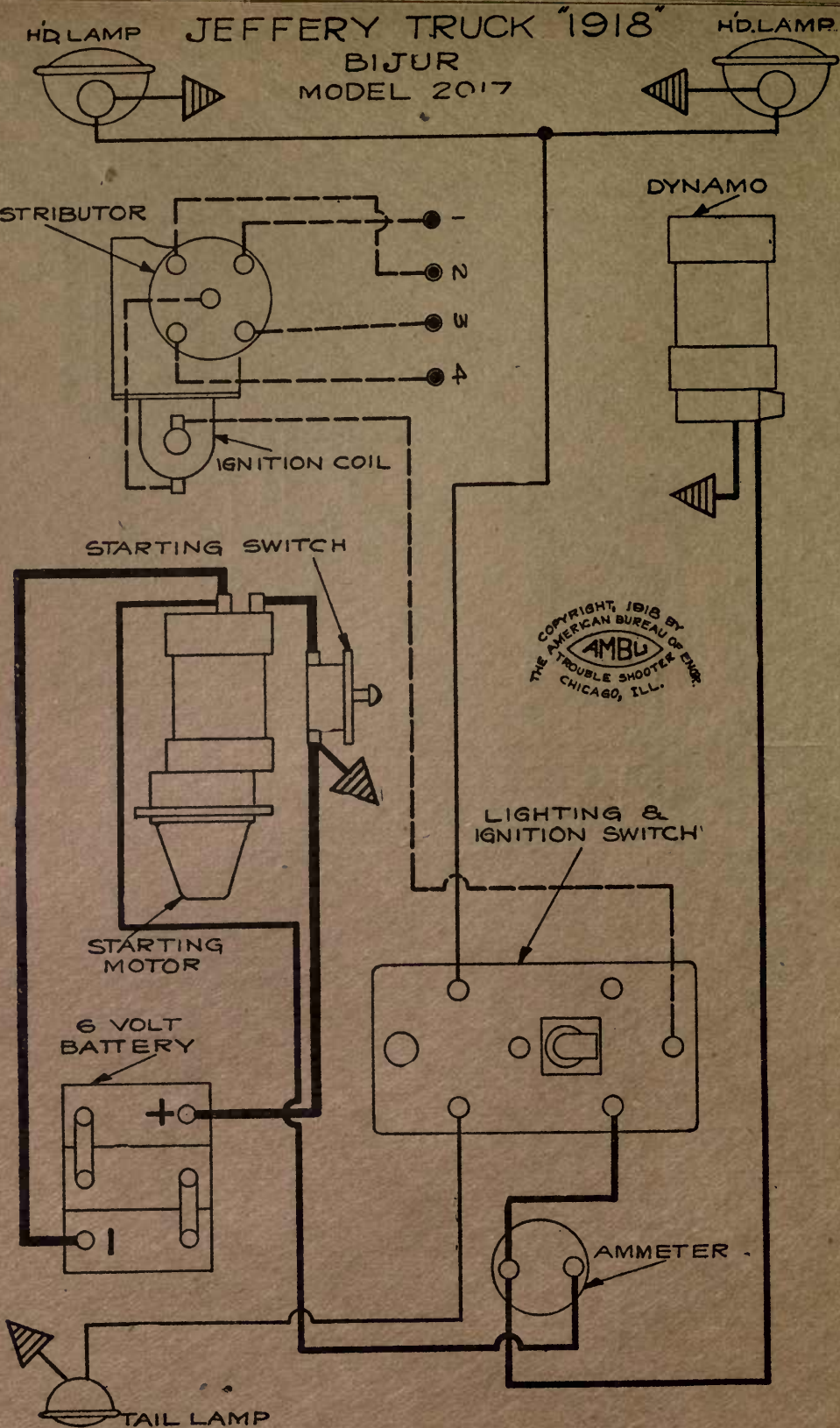
STARTING MOTOR

LIGHTING & IGNITION SWITCH

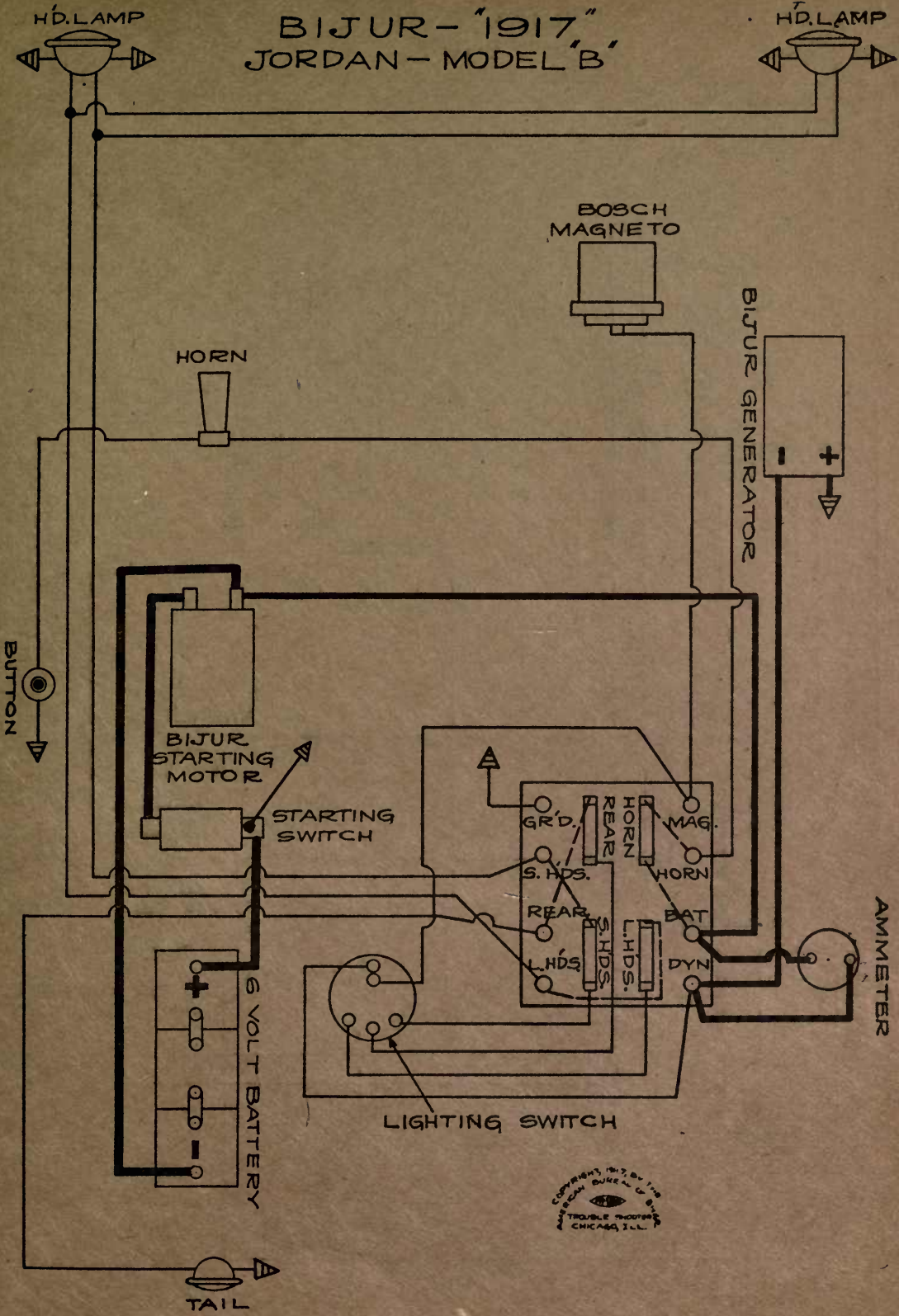
6 VOLT BATTERY

AMMETER

TAIL LAMP



BIJUR - '1917' JORDAN - MODEL 'B'

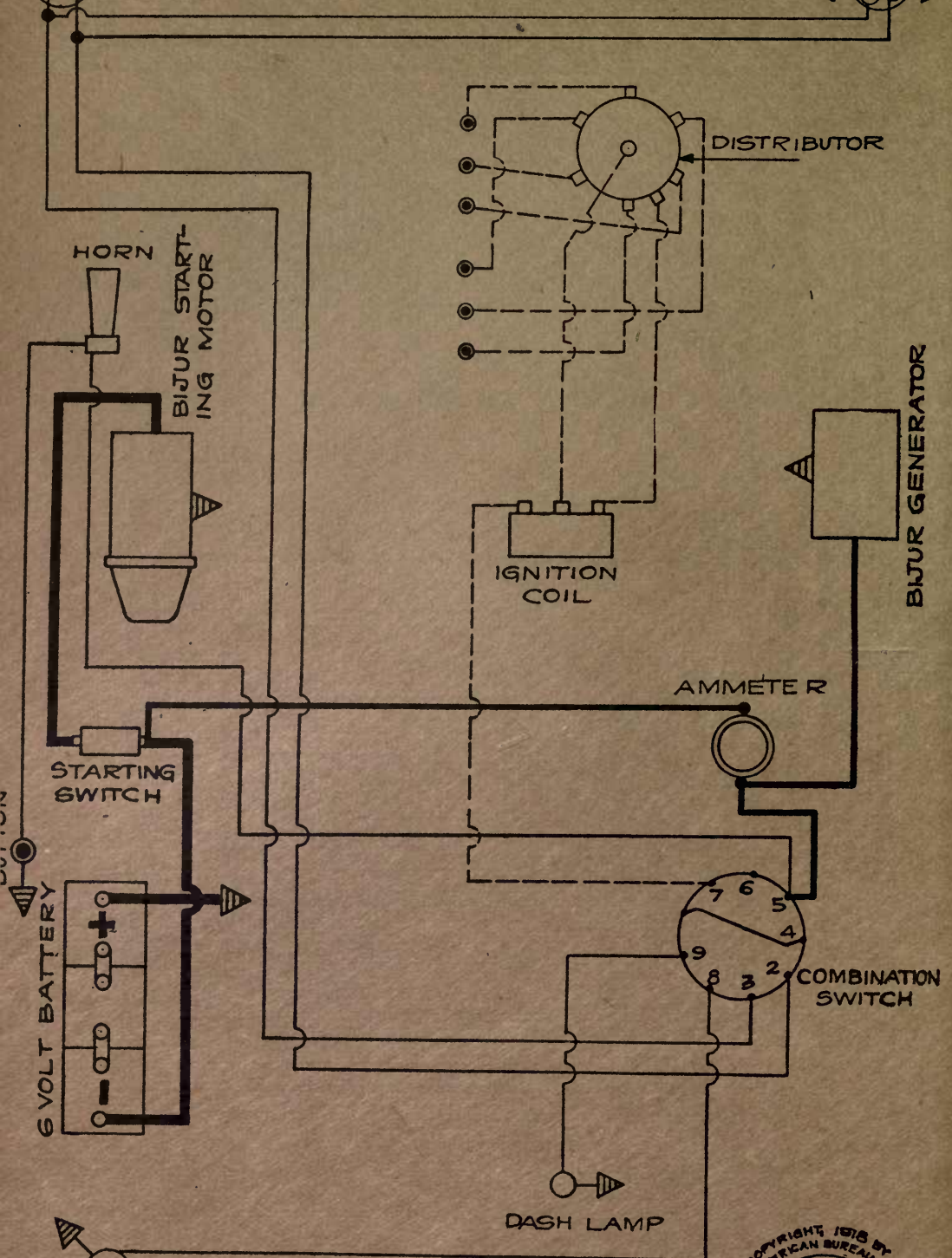
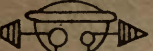


COPYRIGHT 1917, BY THE
MAGNETO BUREAU OF BROS.
TROUBLE SHOOTING
CHICAGO, ILL.

JORDAN "C" 1918-1919 BIJUR

H.D. LIGHT

H.D. LIGHT



HORN

BIJUR START-
ING MOTOR

DISTRIBUTOR

IGNITION
COIL

BIJUR GENERATOR

AMMETER

STARTING
SWITCH

6 VOLT BATTERY

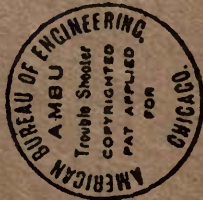
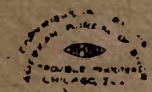
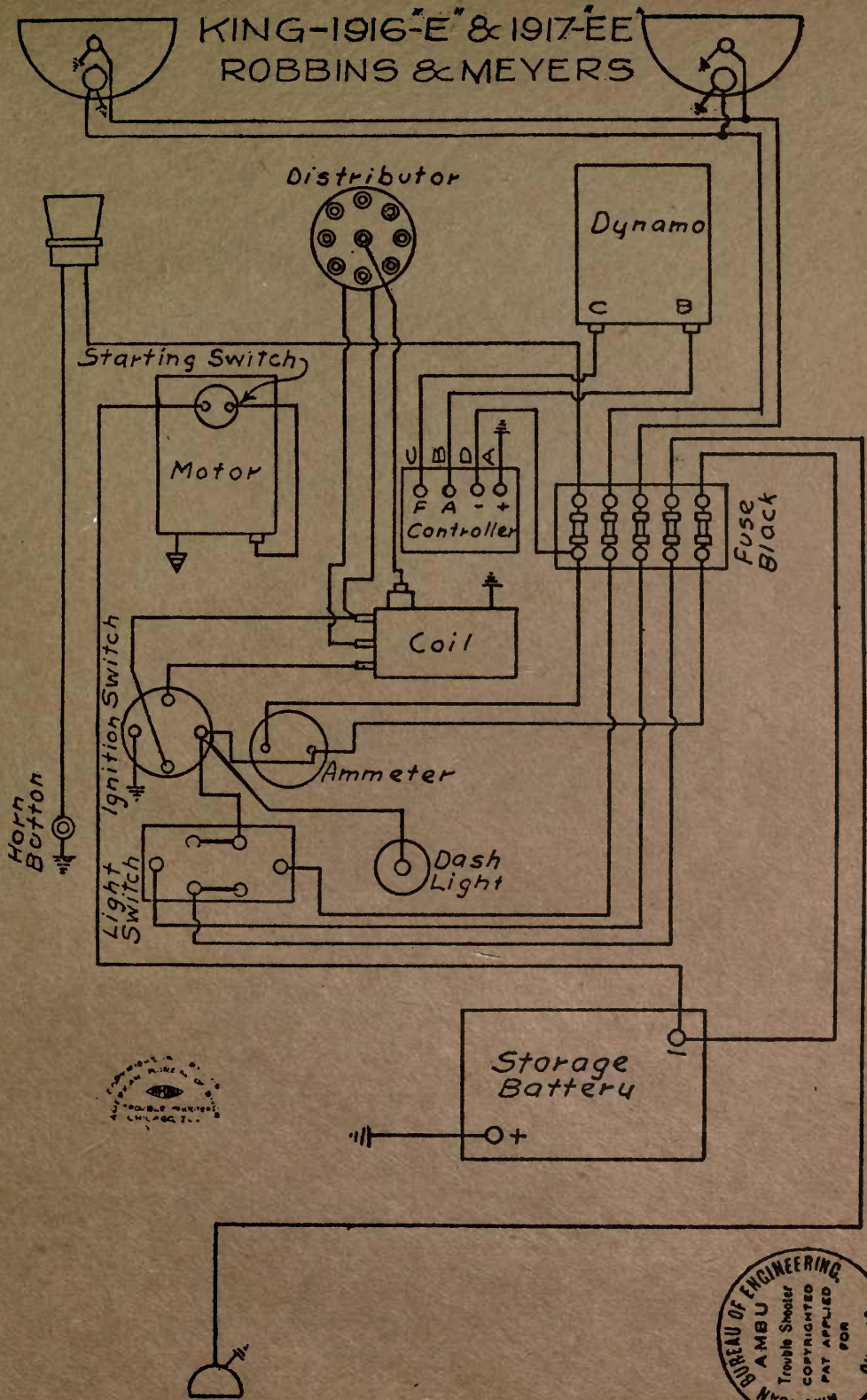
COMBINATION
SWITCH

DASH LAMP

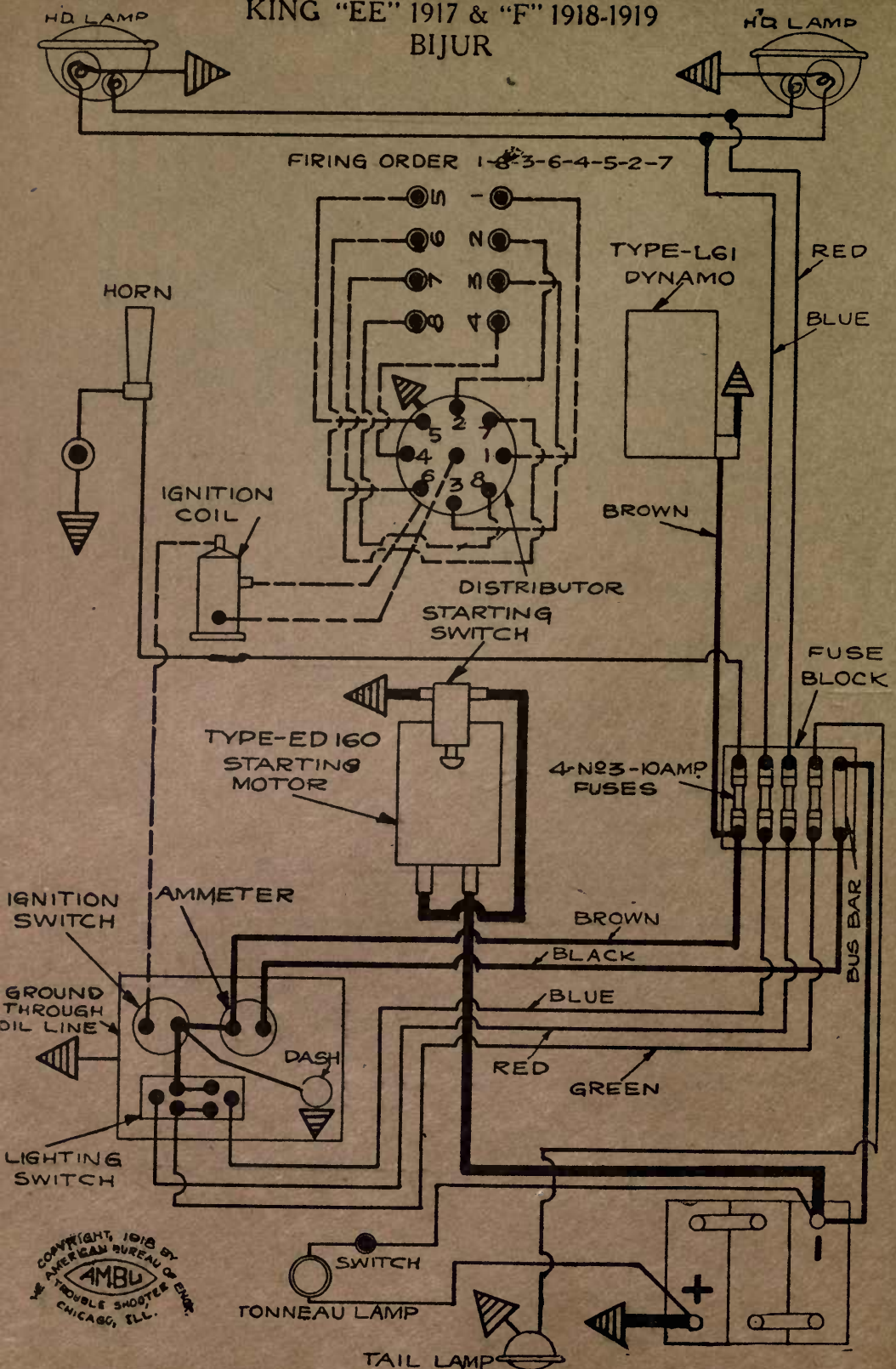
TAIL LIGHT

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF CAR
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

KING-1916-E & 1917-EE ROBBINS & MEYERS



KING "EE" 1917 & "F" 1918-1919 BIJUR

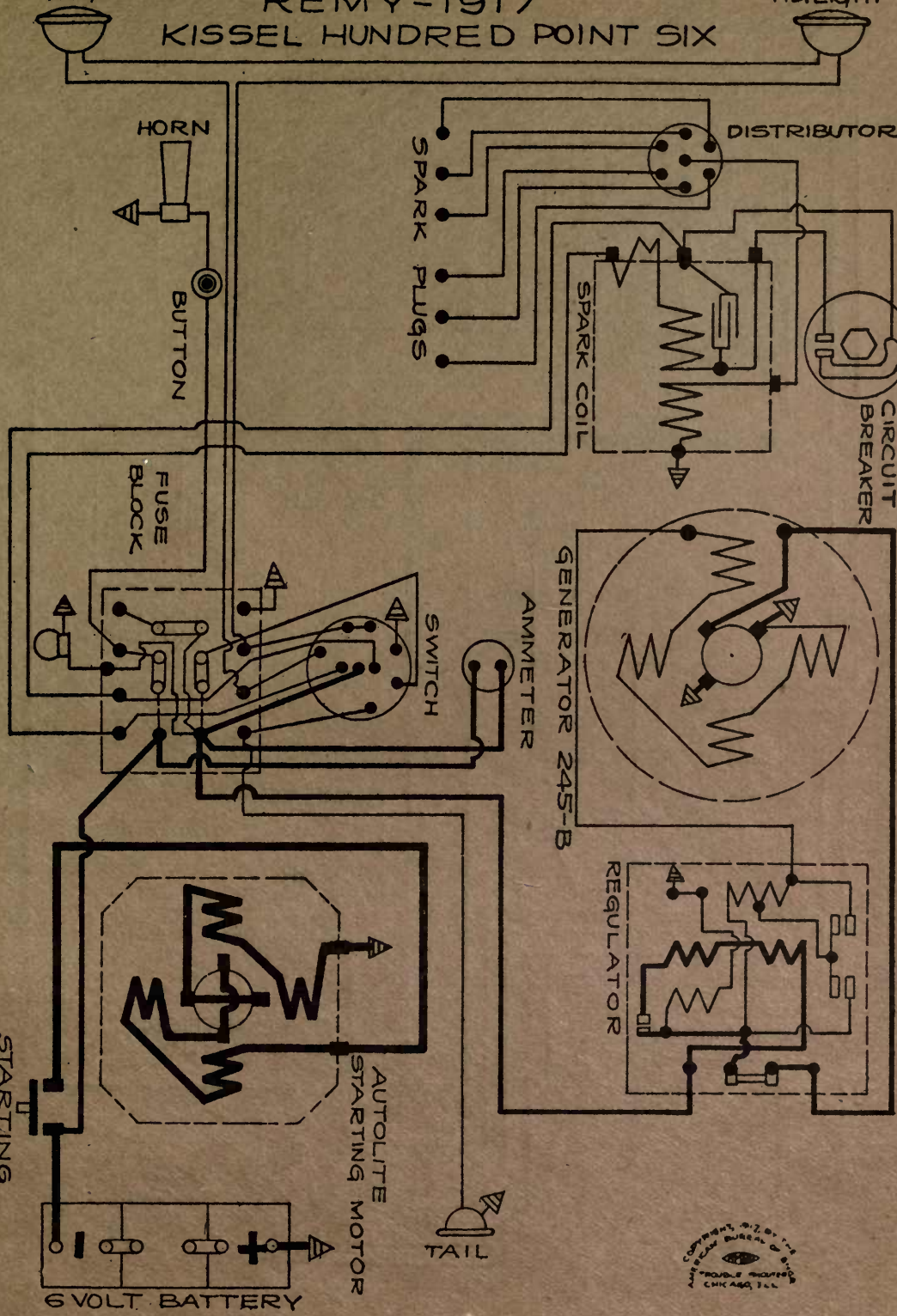


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF CARTRIDGE
 & SHOOTING EQUIPMENT
 CHICAGO, ILL.

H.D. LIGHT

H.D. LIGHT

REMY-1917" KISSEL HUNDRED POINT SIX

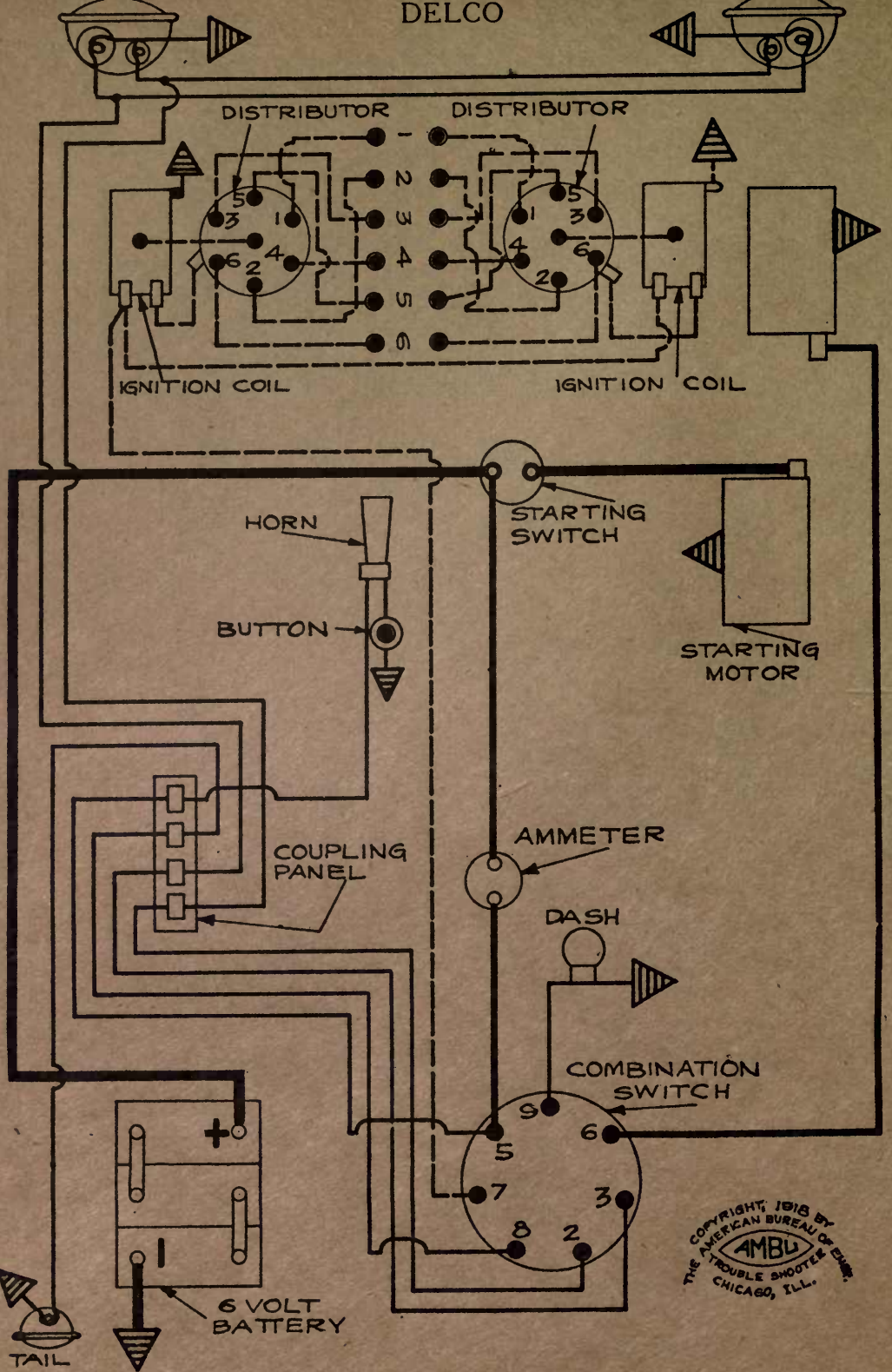


Copyright © 1917 by R. M. KISSER
 AMERICAN BUREAU OF
 ROAD & MOTOR
 CHICAGO, ILL.

H.D. LAMP

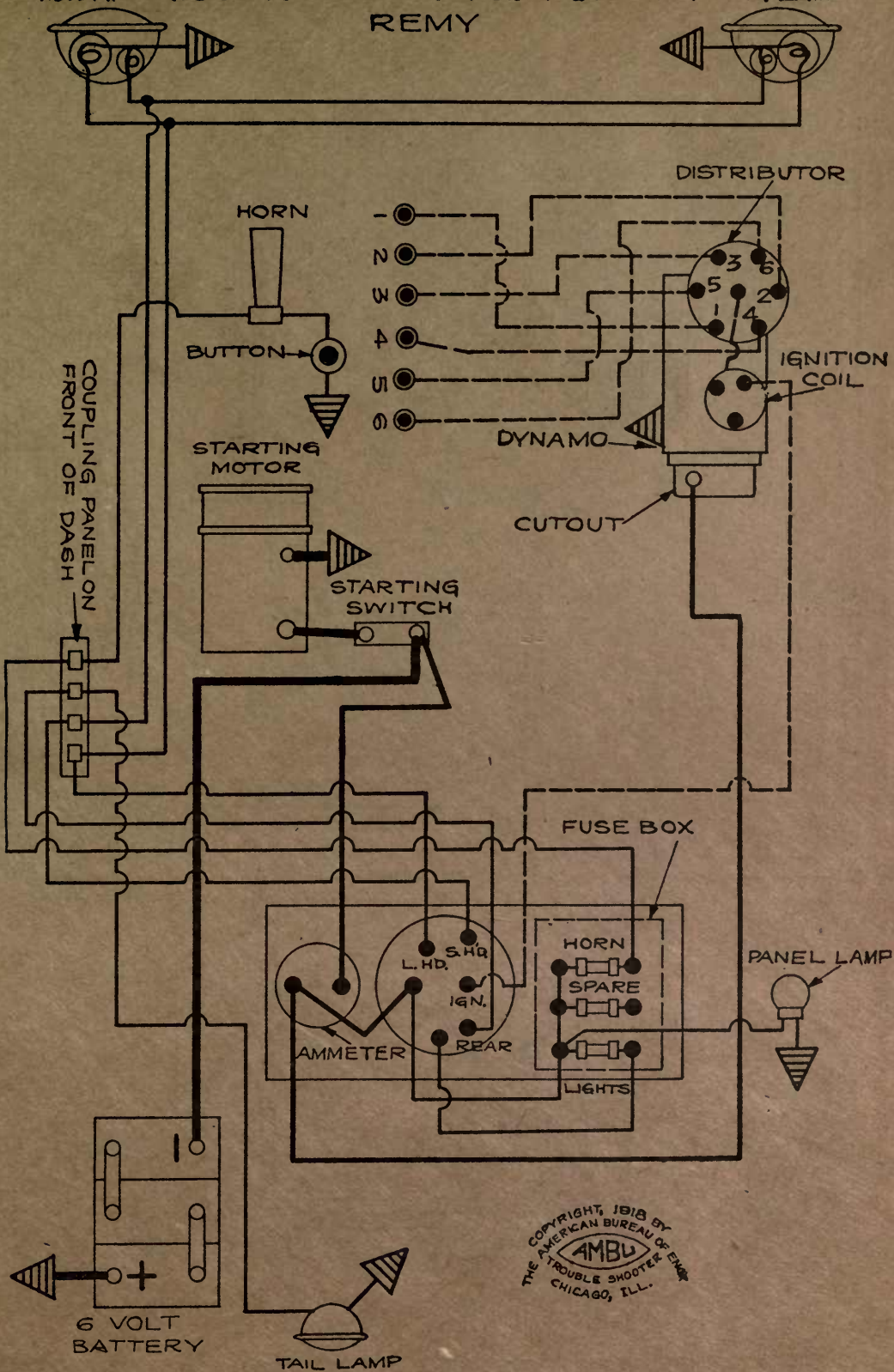
KISSELL-12 CYL. 1917-1918-1919 DELCO

H.D. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF CARBIDE
 TROUBLE SHOOTERS & CHEMISTS
 CHICAGO, ILL.

HD. LAMP KISSEL - HUNDRED POINT SIX - 1918 HD. LAMP
REMY

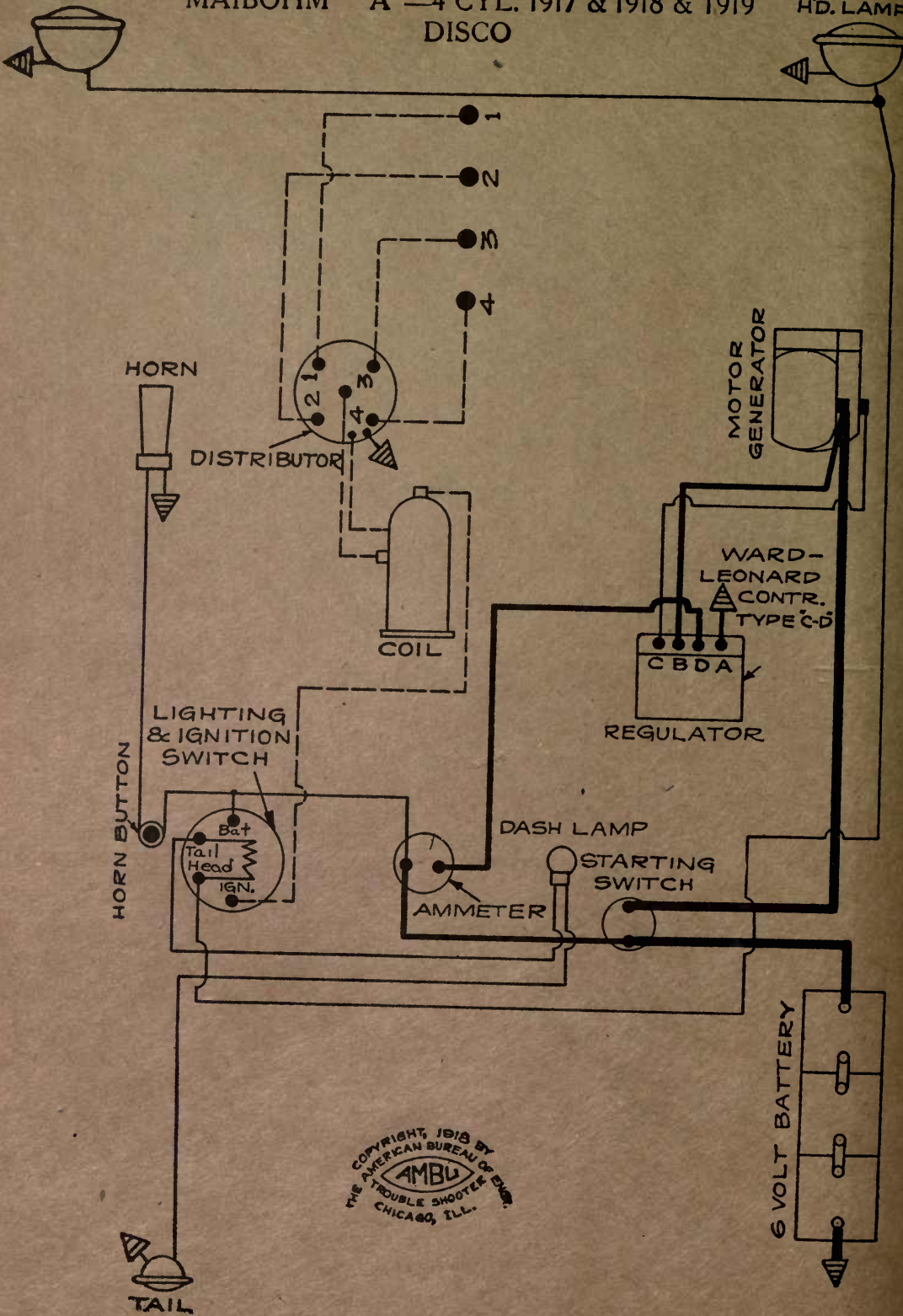


COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.

H'D. LAMP

MAIBOHM "A"—4 CYL. 1917 & 1918 & 1919 DISCO

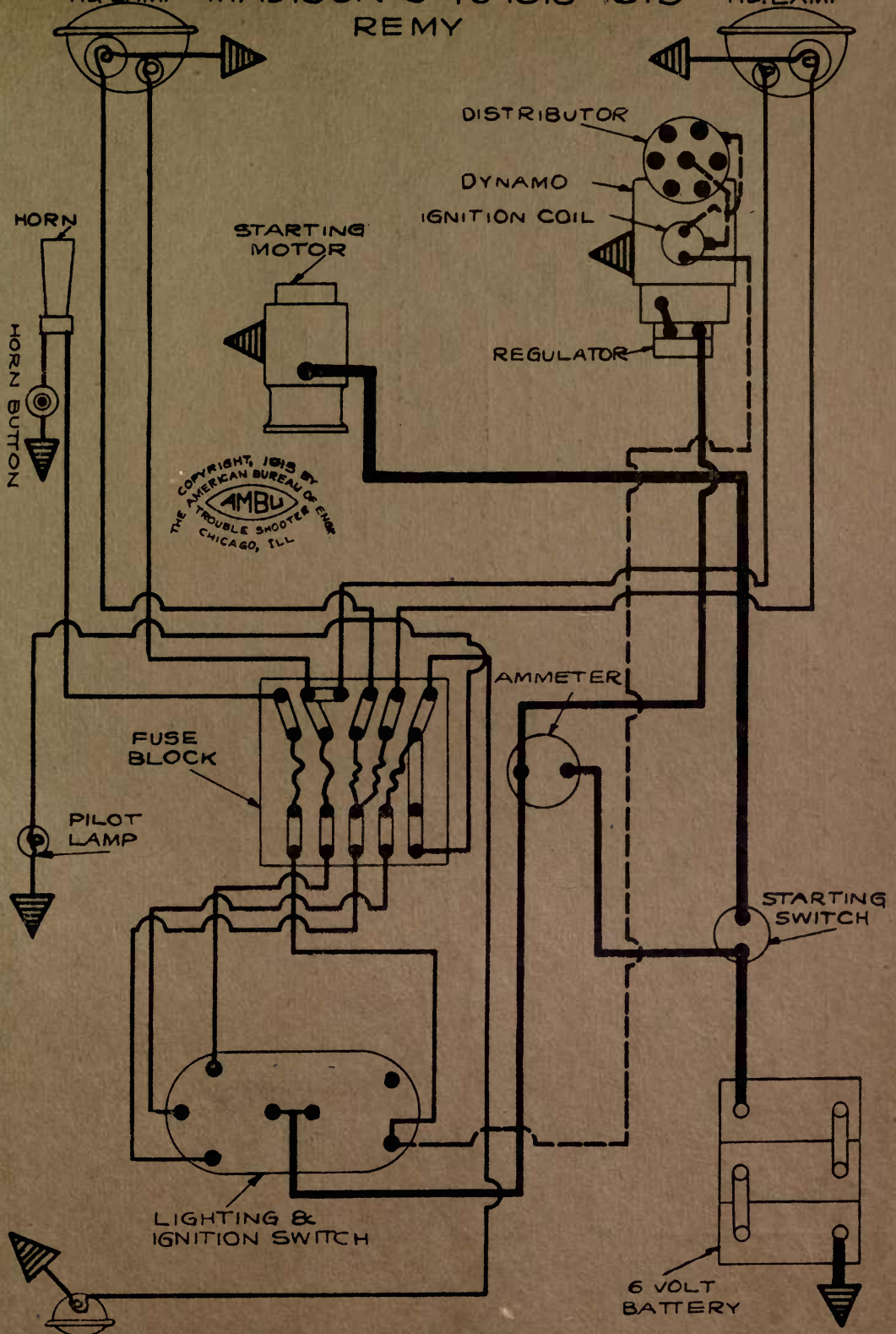
H'D. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENG.
AMBU
 TROUBLE SHOOTERS
 CHICAGO, ILL.

TAIL

H.D. LAMP MADISON 6-40 1918-1919 H.D. LAMP
REMY

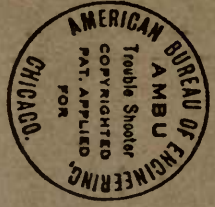


WESTINGHOUSE

HD LT.

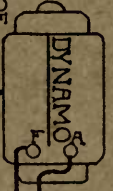
HD LT.

TO SPARK-PLUGS



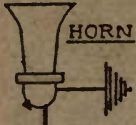
DISTRIBUTOR

FOR INTERNAL OF DYNAMO SEE CHART 7 SYSTEM E. WESTINGHOUSE PARTS

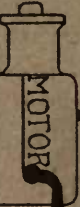


DYNAMO

HORN



FOR INTERNAL SEE CHART 12 SYSTEM G. OF THE AMBU WESTINGHOUSE CHTS



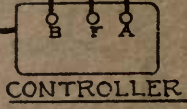
MOTOR

TO HORN BUTTON

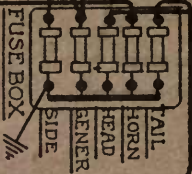
JUNE BLOCK



DUNC. BLOCK



CONTROLLER



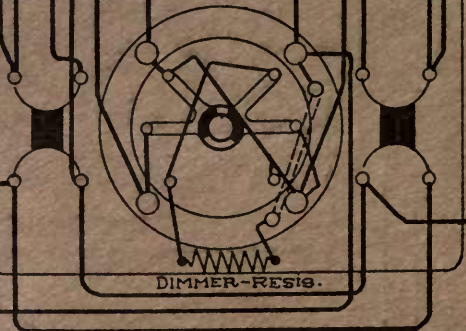
FUSE BOX

COV. LIT.



DIMMER-RESIS.

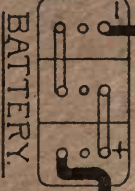
LIGHTING & IGNITION SWITCH



START SWITCH



AMMETER



BATTERY

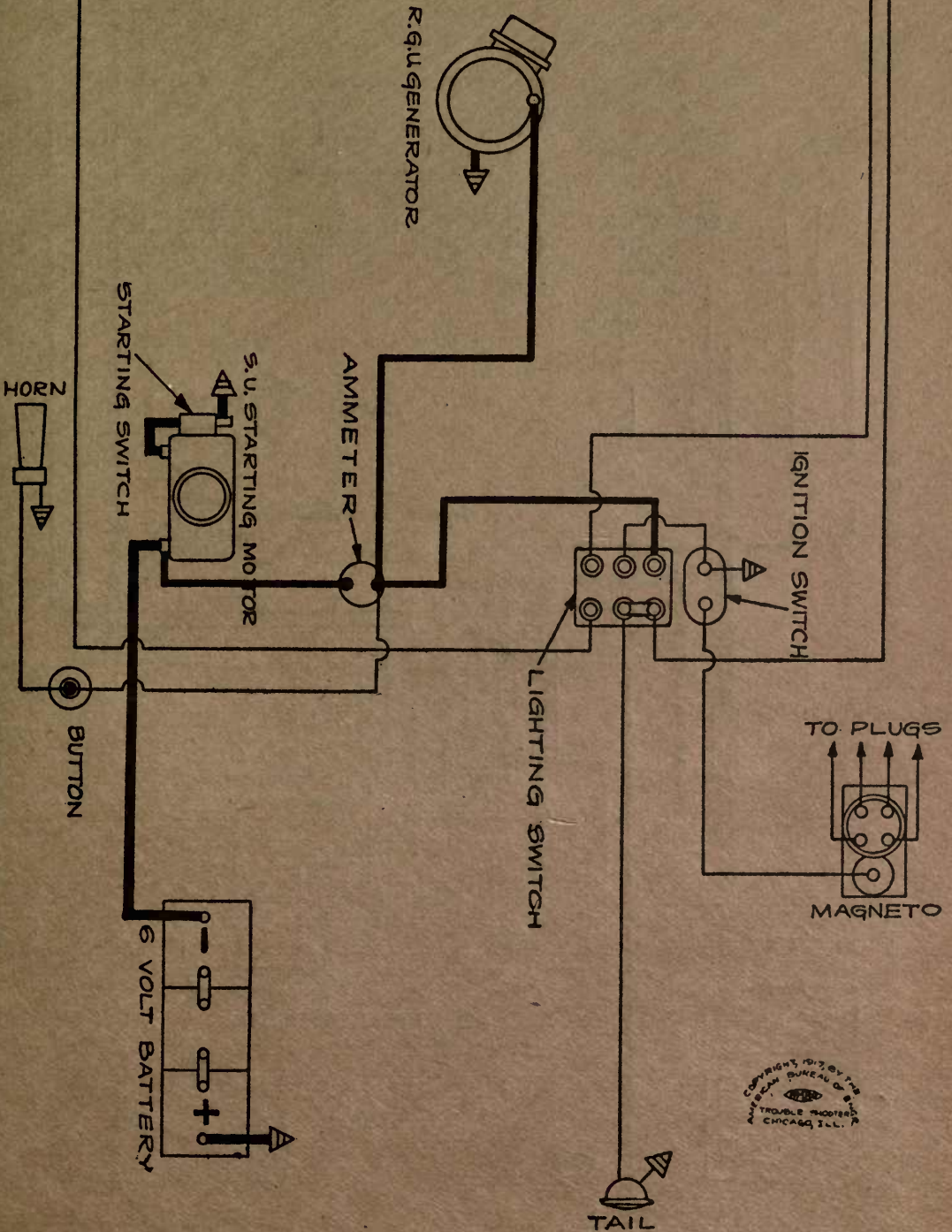
TAIL LT.

PH

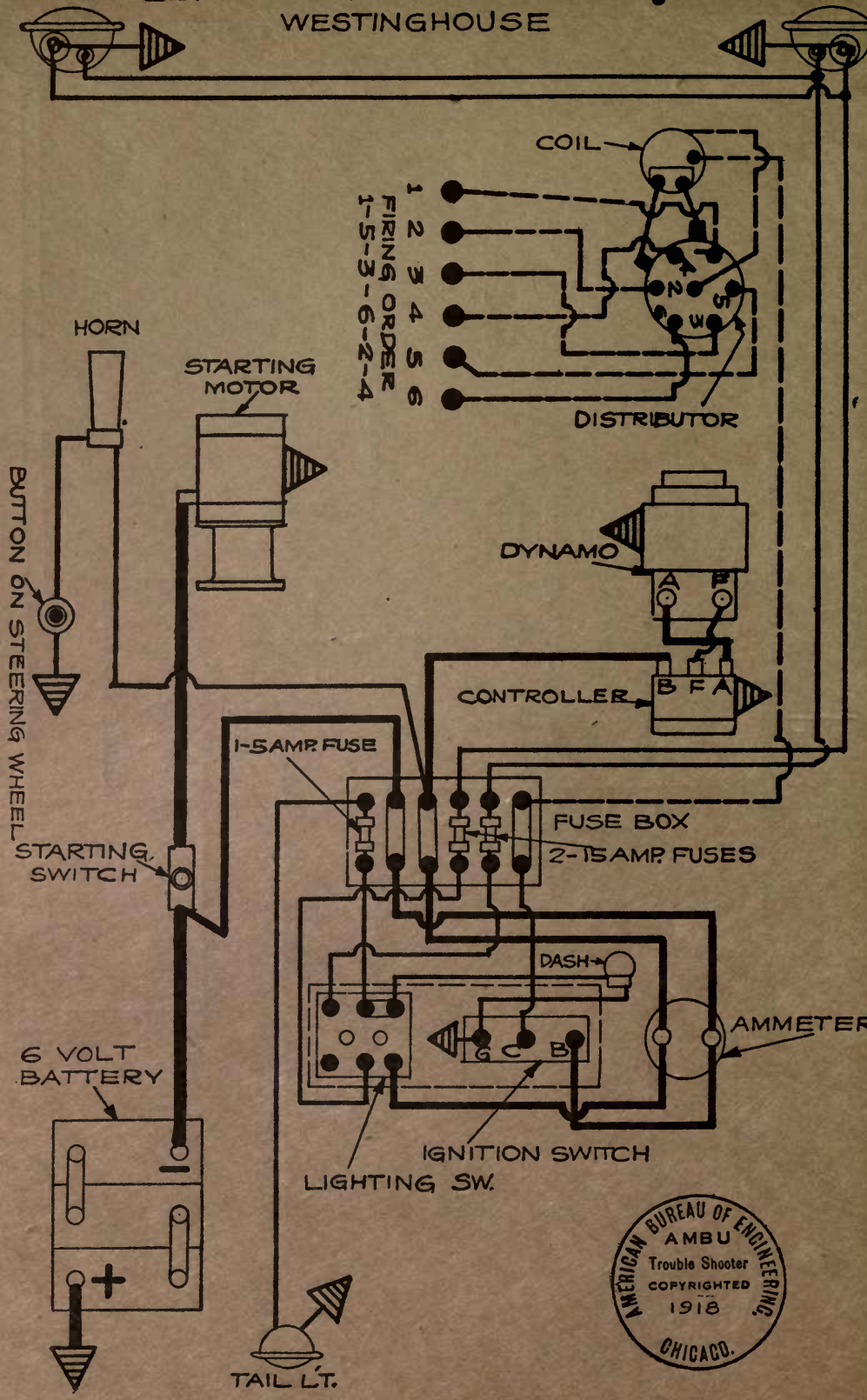
HD. LIGHT

SPLITDORF - APLCO - 1917 LAWSON TRUCK

HD. LIGHT



COPYRIGHT 1917 BY THE
 AMERICAN BUREAU OF
 TROUBLE SHOOTERS
 CHICAGO ILL.



LEXINGTON—1918 & 1919 WESTINGHOUSE

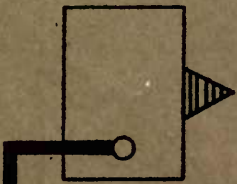
Hd. LAMP



Hd. LAMP



STARTING MOTOR
TYPE 760



HORN

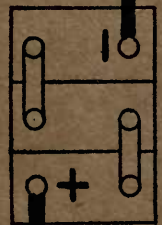
BUTTON



STARTING SWITCH



SPOT LIGHT



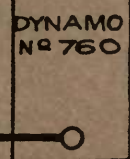
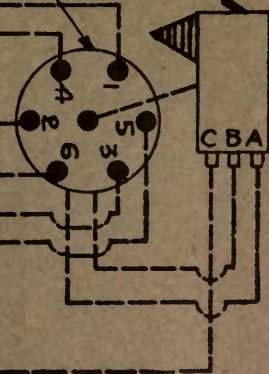
WILLARD SX-4
6V. BATTERY

AMMETER



FIRING ORDER 1-5-3-6-2-4

IGNITION COIL
DISTRIBUTOR



FUSE BLOCK

2-15 AMP. FUSES



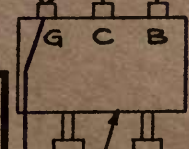
INSTRUMENT LIGHT



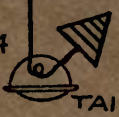
LIGHTING SWITCH



IGNITION SW



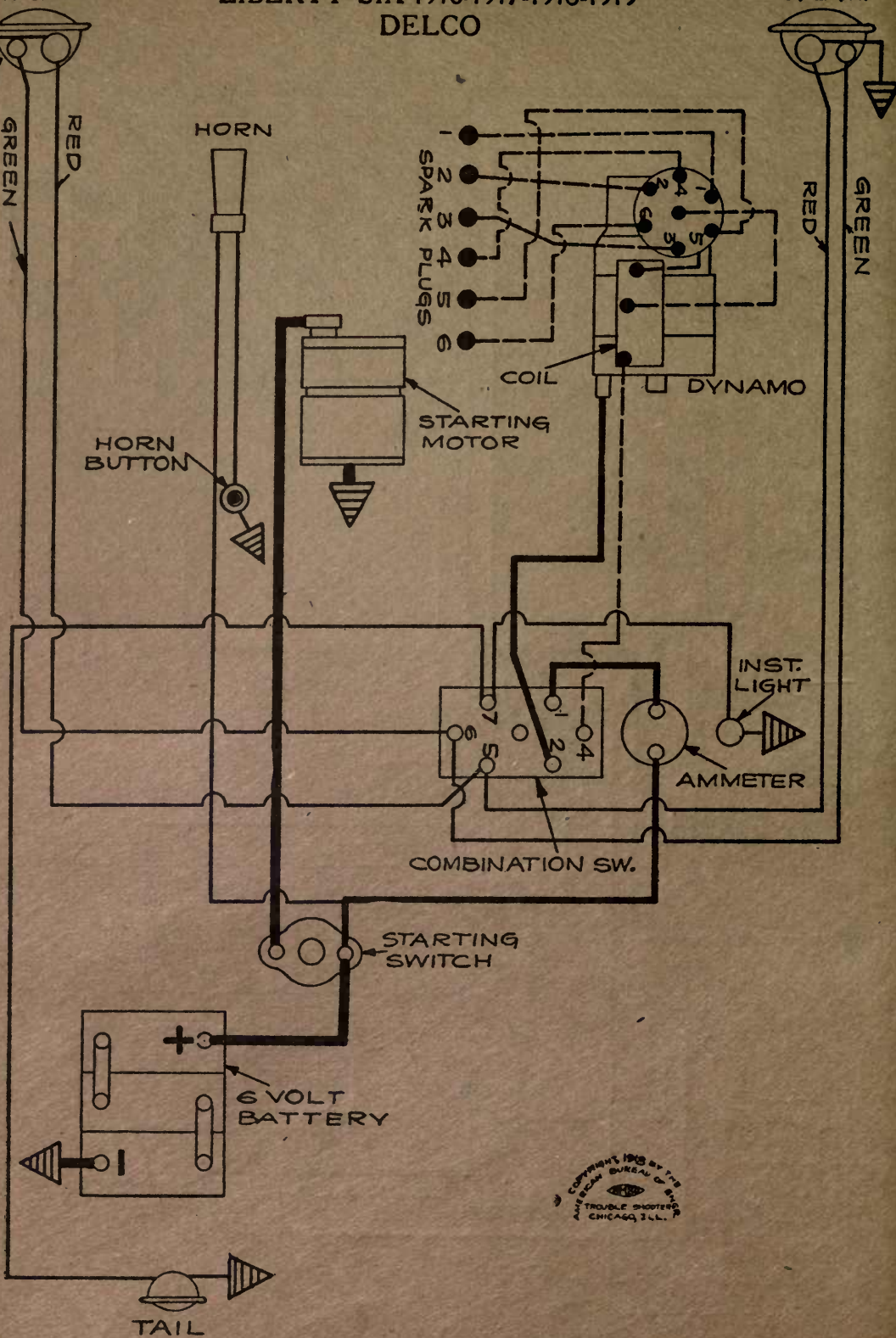
TAIL



HD. LAMP

LIBERTY SIX 1916-1917-1918-1919 DELCO

HD. LAMP

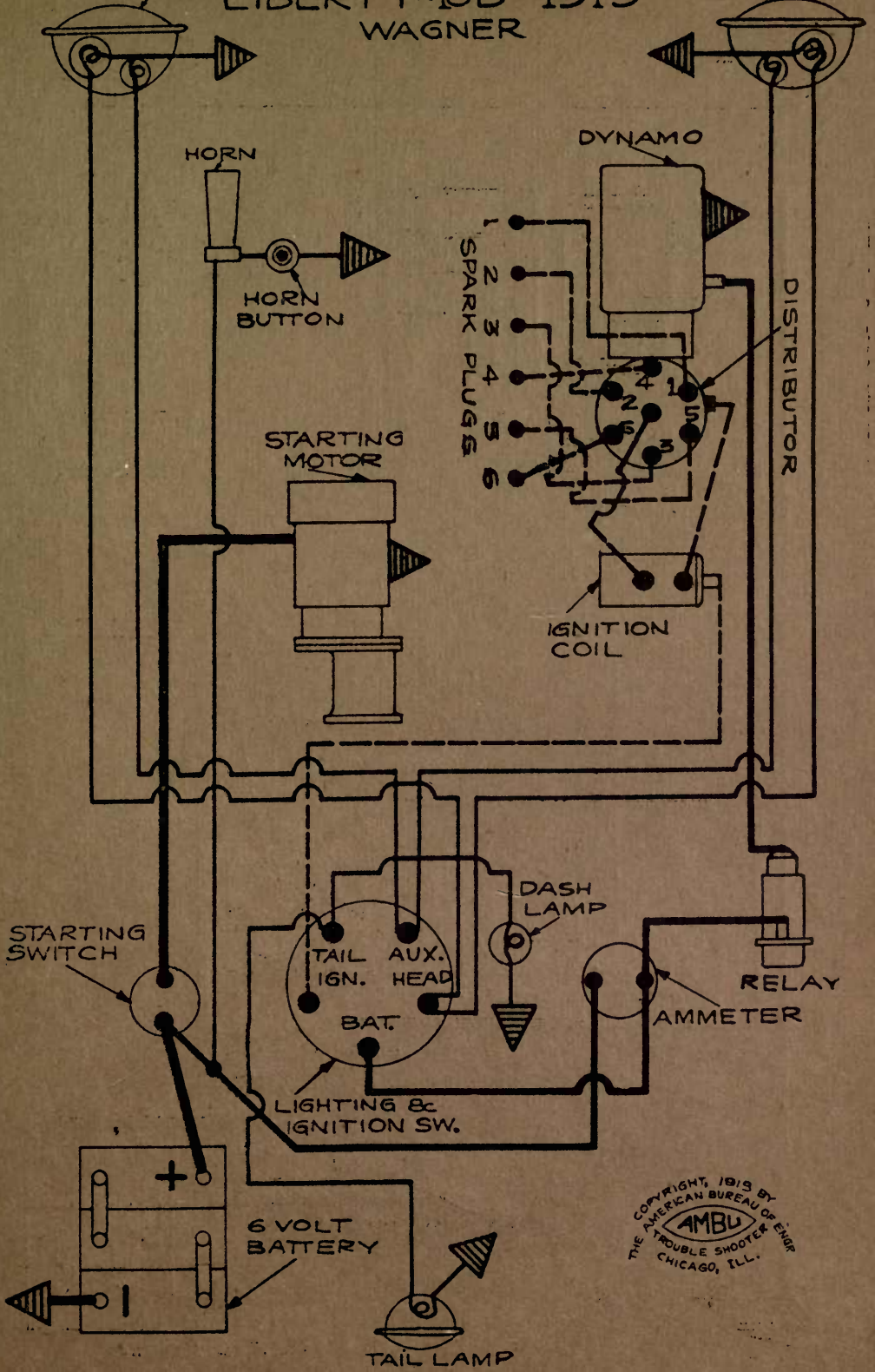


COPYRIGHT 1919 BY THE
 DELCO BUREAU & MFG.
 TROUBLE SHOOTERS
 CHICAGO, ILL.

HD. LAMP

LIBERTY-10B-1919 WAGNER

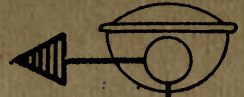
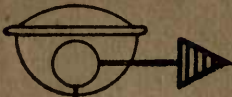
HD. LAMP



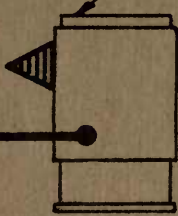
COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 TROUBLE SHOOTER
 CHICAGO, ILL.

HD LAMP LIPPARD STEWART TRUCK-M2-1917
REMY

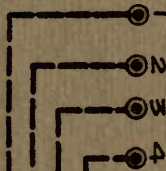
HD LAMP



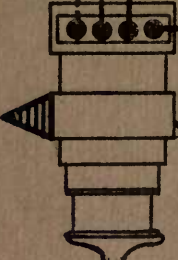
DYNAMO



FIRING ORDER 1-3-4-2
~ SPARK PLUGS ~

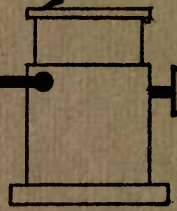


COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.



MAGNETO

STARTING MOTOR



AMMETER
RELAY
LIGHT SW.



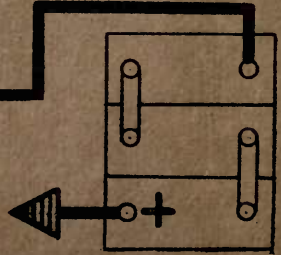
MAGNETO SWITCH



STARTING SWITCH



TAIL

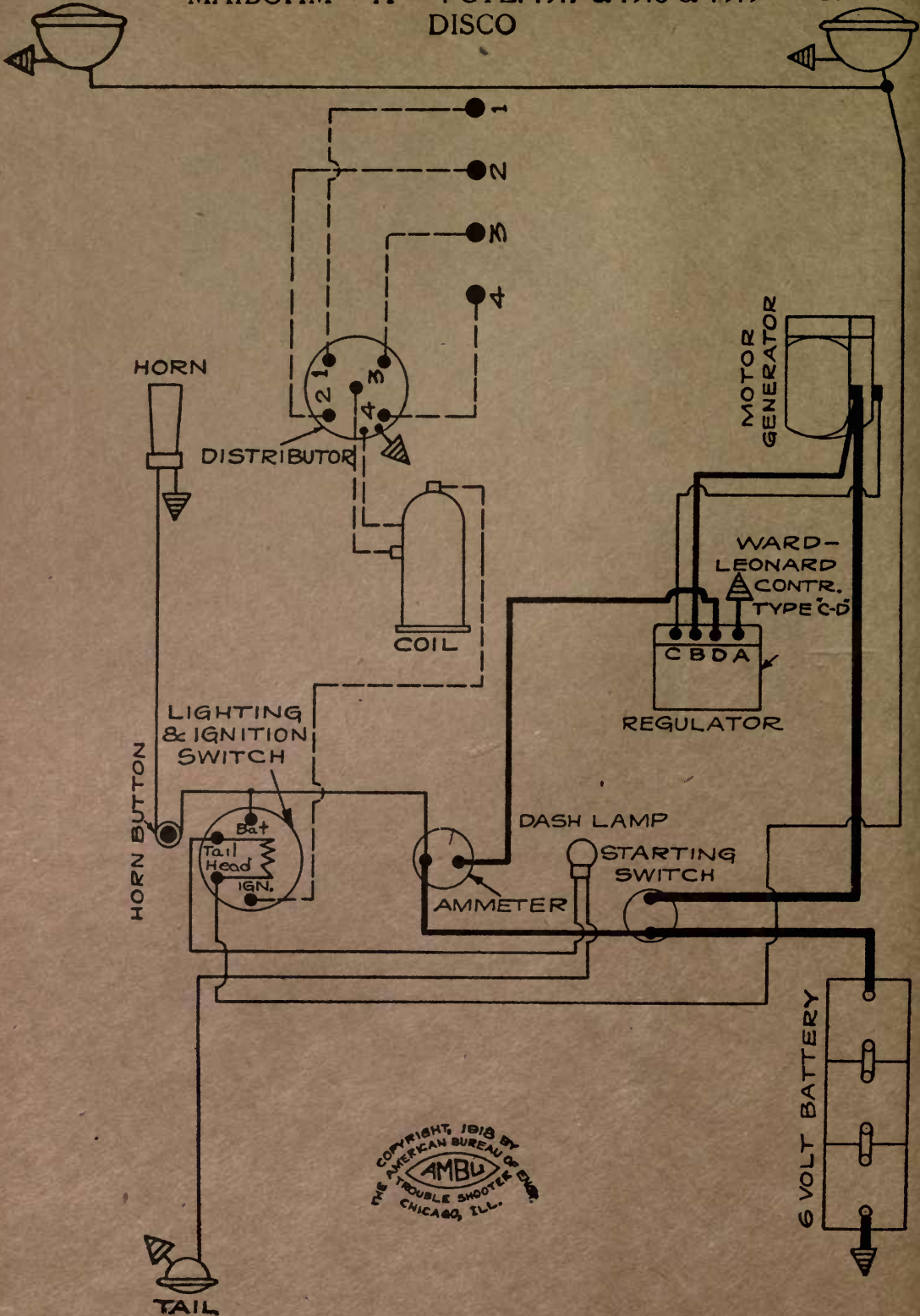


6 VOLT BATTERY

H'D. LAMP

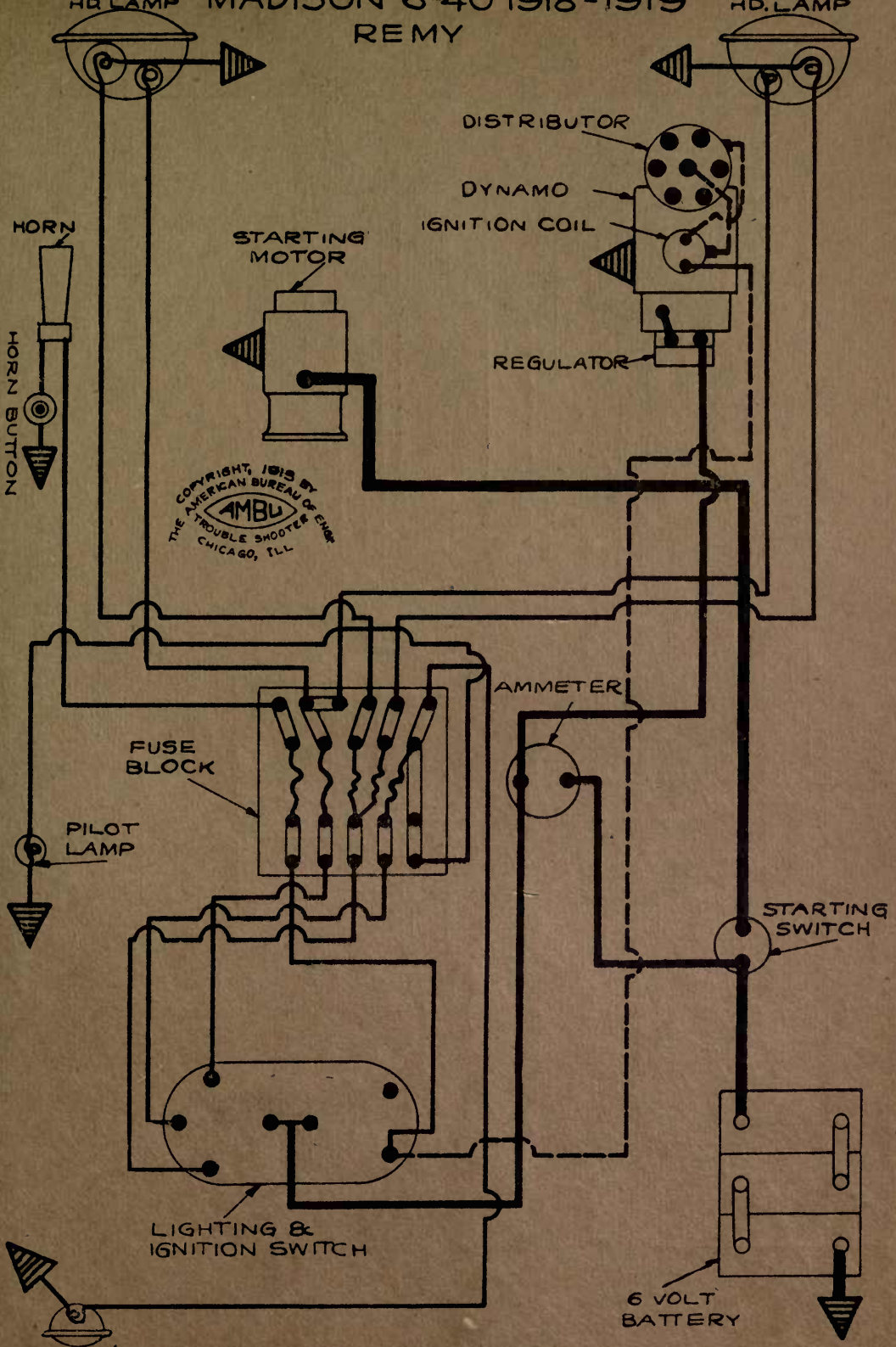
MAIBOHM "A"—4 CYL. 1917 & 1918 & 1919 DISCO

H'D. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ELECTRICAL
 TROUBLE SHOOTERS
 CHICAGO, ILL.

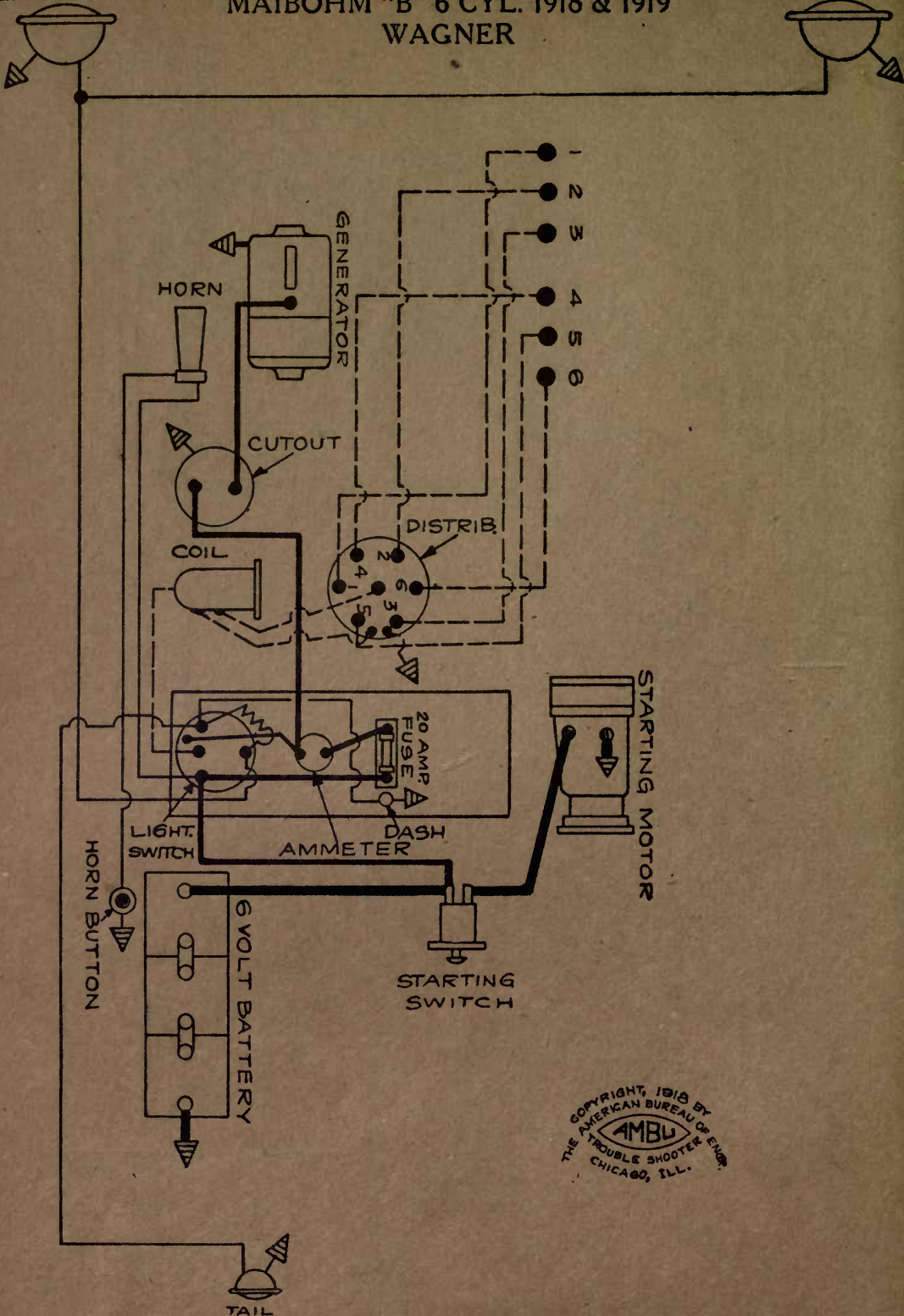
H.D. LAMP MADISON 6-40 1918-1919 REMY



L. HD. LAMP

MAIBOHM "B" 6 CYL. 1918 & 1919 WAGNER

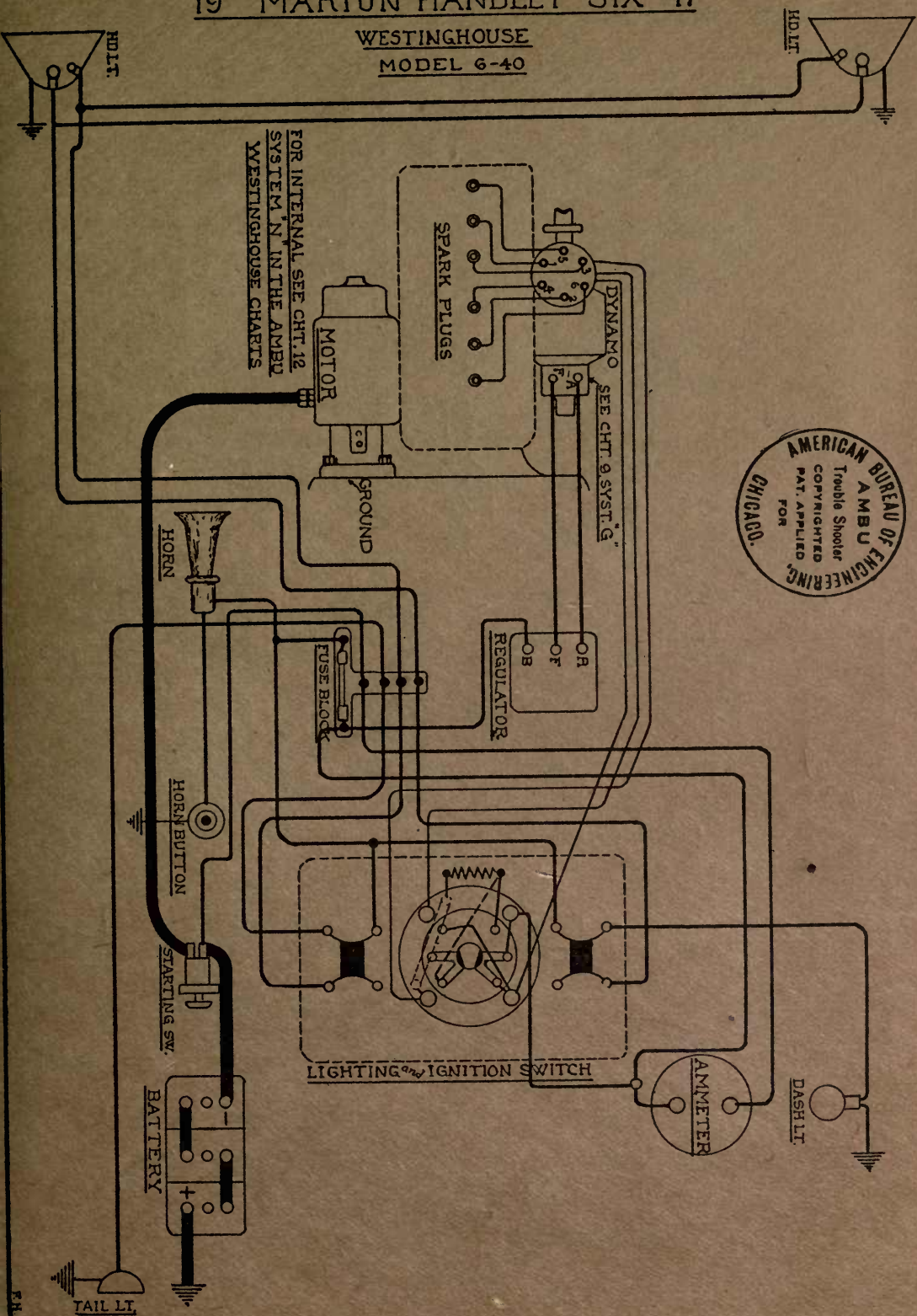
R. HD. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF EXHIB.
AMBU
 THE TROUBLE SHOOTER EXHIB.
 CHICAGO, ILL.

19 MARION-HANDLEY SIX 17

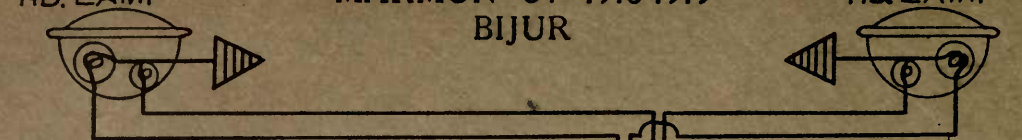
WESTINGHOUSE
MODEL 6-40



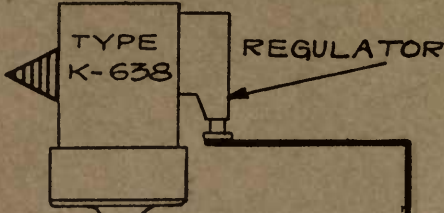
H.D. LAMP

MARMON "34" 1918-1919 BIJUR

H.D. LAMP



DYNAMO



HORN

MAGNETO

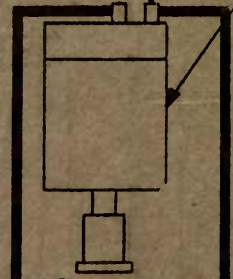


JUNCTION BLOCK

JUNCTION BLOCK

FUSE BLOCK

TYPE A.D. 200
STARTING MOTOR



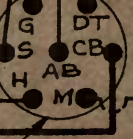
HORN BUTTON

TROUBLE LT.

DASH



AMMETER



LIGHTING SWITCH

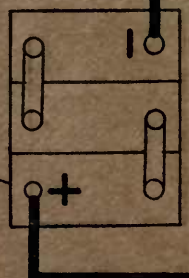
STARTING SWITCH

TONNEAU LAMP SWITCH

TONNEAU LAMP

DOOR SWITCH

6 VOLT BATTERY

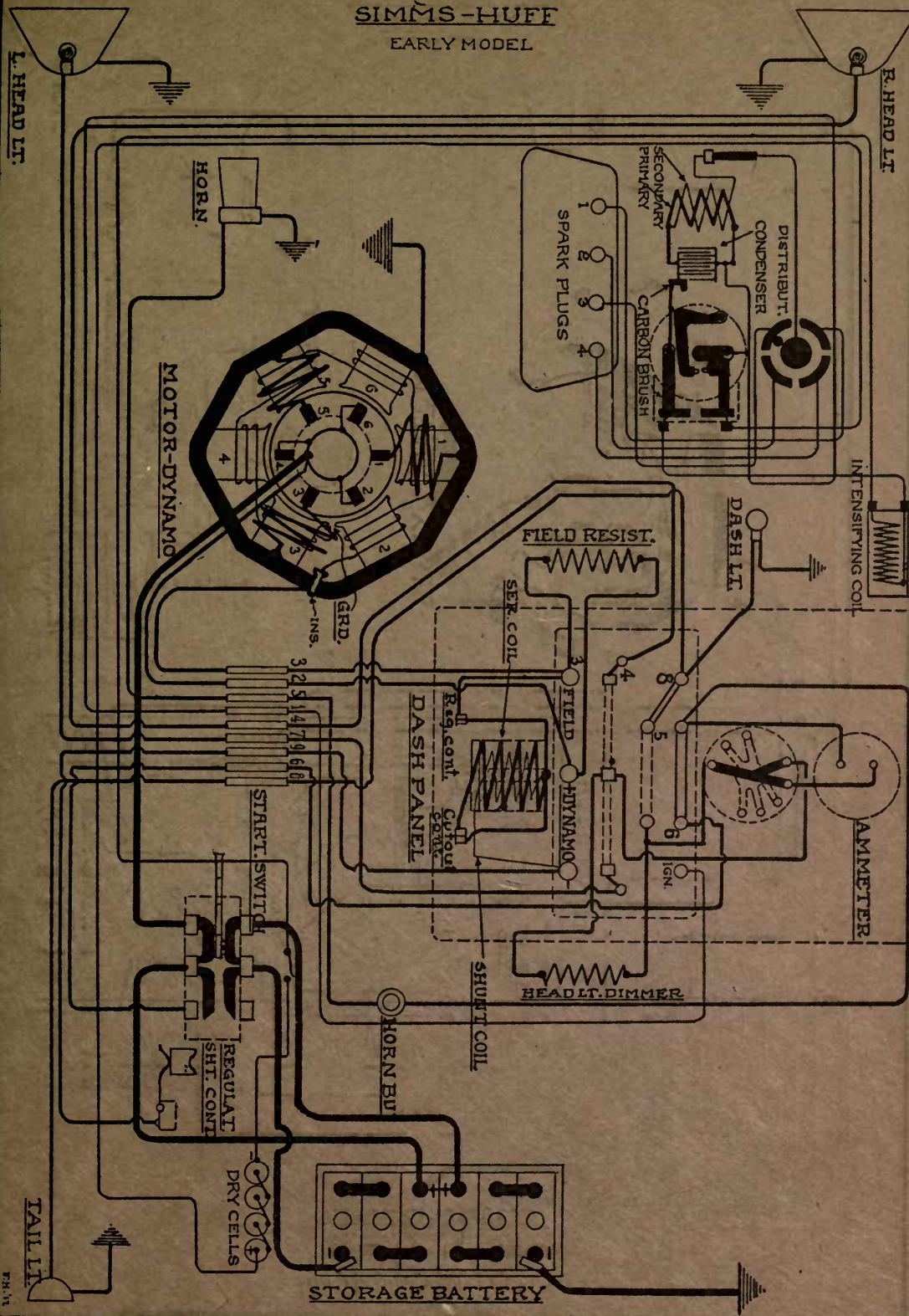


TAIL LAMP

COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF DIES
 CHICAGO, ILL.

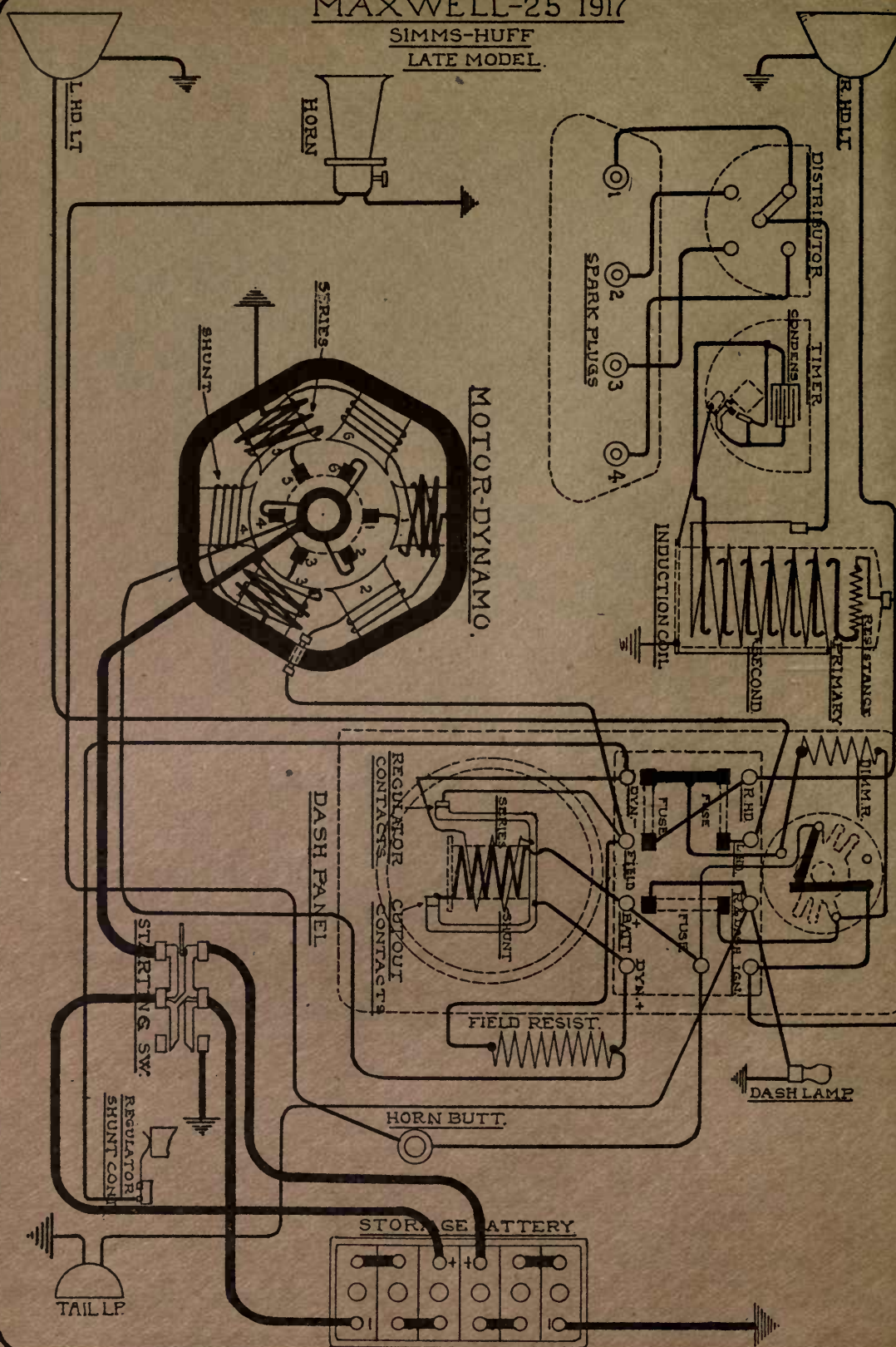
SIMMS-HUFF

EARLY MODEL



MAXWELL-25 1917

SIMMS-HUFF
LATE MODEL.



MAXWELL "25" 1918 & 1919
SIMMS-HUFF



ATWATER KENT
IGNITION SYSTEM

MOTOR-DYNAMO
TYPE H M

HORN

HORN BUTTON
DASH LAMP

CUTOUT &
REGULATOR
FLD. RES.

FUSE BLOCK

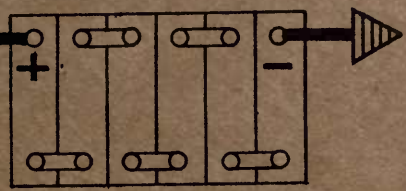
LIGHTING &
IGNITION SW.

STARTING
SWITCH LOCK

HEAD LIGHT DIMMER

SW. LOCK BUTTON

STARTING
SWITCH



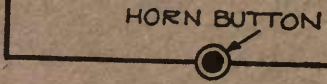
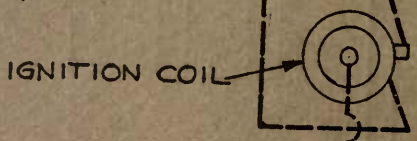
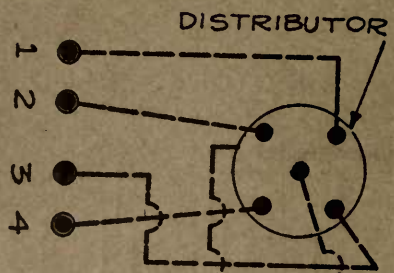
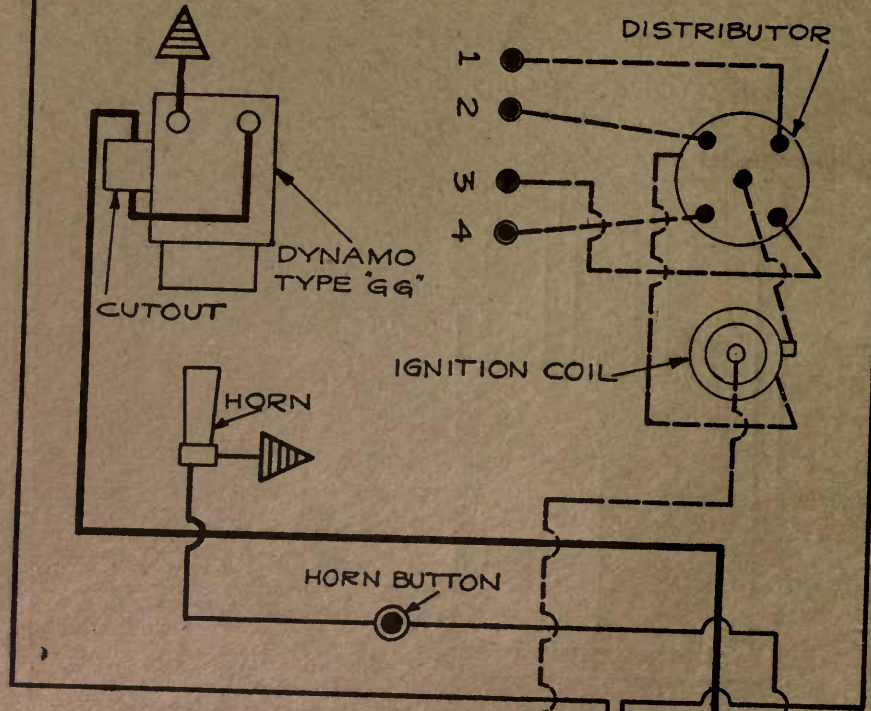
12 VOLT BATTERY

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF DESIGN
TROUBLE SHOOTER
CHICAGO, ILL.

HD. LAMP MAXWELL - ONE TON TRUCK '1917&'18

AUTOLITE.

HD. LAMP

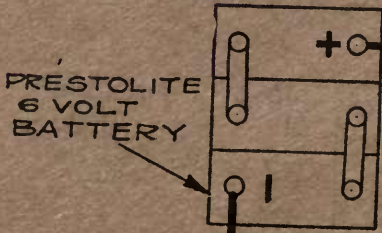


HEAD LIGHT DIMMER



LIGHTING & IGNITION SWITCH

COPYRIGHT 1918 BY THE
AMERICAN BUREAU OF
ELECTRICITY
TROUBLE SHOOTERS
CHICAGO, ILL.



PRESTOLITE
6 VOLT
BATTERY

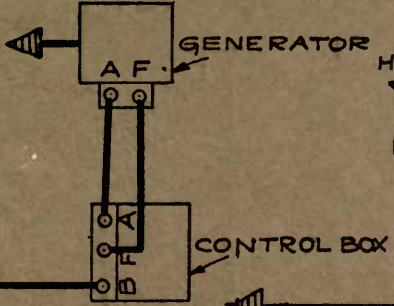
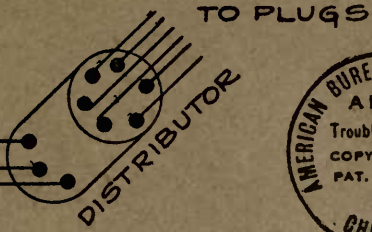


TAIL LIGHT

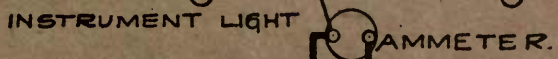
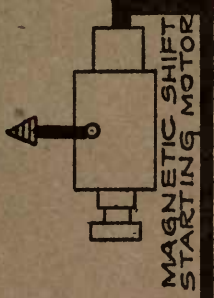
MS FARLAN-1917 & 1918 WESTINGHOUSE

H.D. LAMP

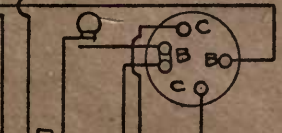
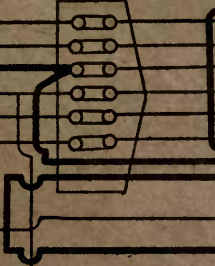
H.D. LAMP



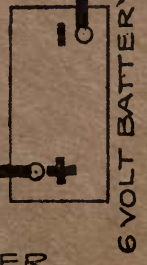
HORN



FUSE BLOCK & HOUSING



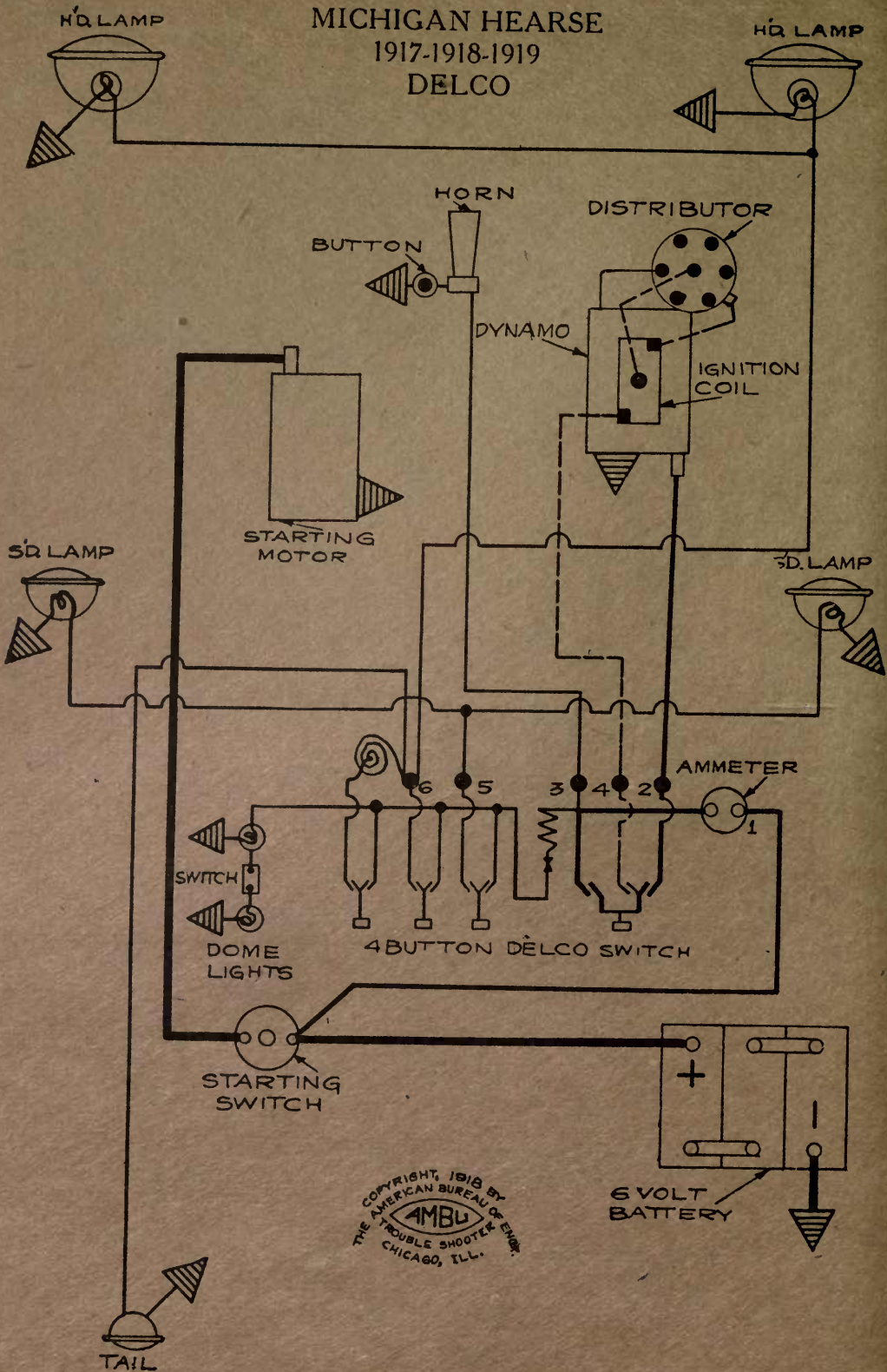
MAGNETIC SWITCH



SWITCH



MICHIGAN HEARSE 1917-1918-1919 DELCO



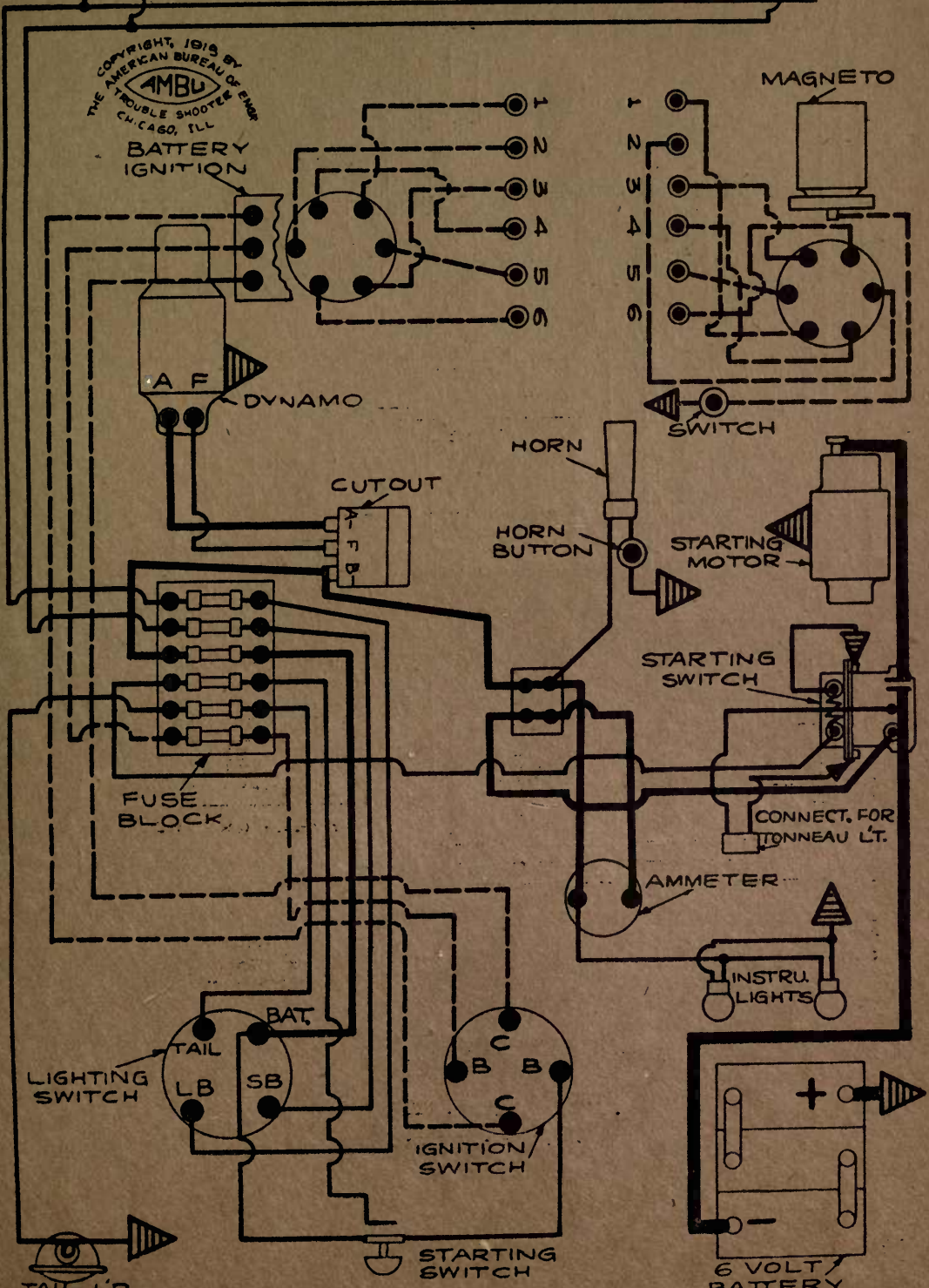
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
THE "TROUBLE SHOOTER"
CHICAGO, ILL.

H.D. LAMP MS FARLAN-6-1918-1919 H.D. LAMP
WESTINGHOUSE

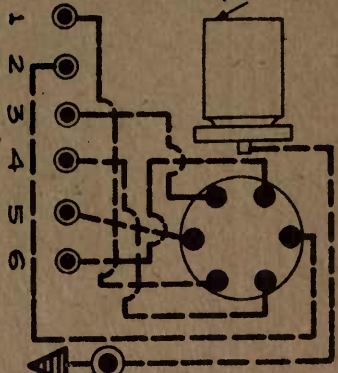


COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.

BATTERY IGNITION



MAGNETO



A F

DYNAMO

CUTOUT

HORN

HORN BUTTON

STARTING MOTOR

STARTING SWITCH

CONNECT. FOR TONNEAU LT.

AMMETER

INSTR. LIGHTS

LIGHTING SWITCH

TAIL

BAT.

LB

SB

IGNITION SWITCH

STARTING SWITCH

6 VOLT BATTERY



HD LIGHTS

MERCER—1917-1918

U. S. L.

HD. LIGHTS



HORN



SPARK PLUGS

MAGNETO

MOTOR-GENERATOR

MAGNETIC STARTING SWITCH

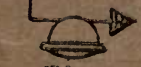
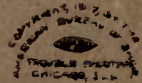
BUTTON

JUNCTION BOX

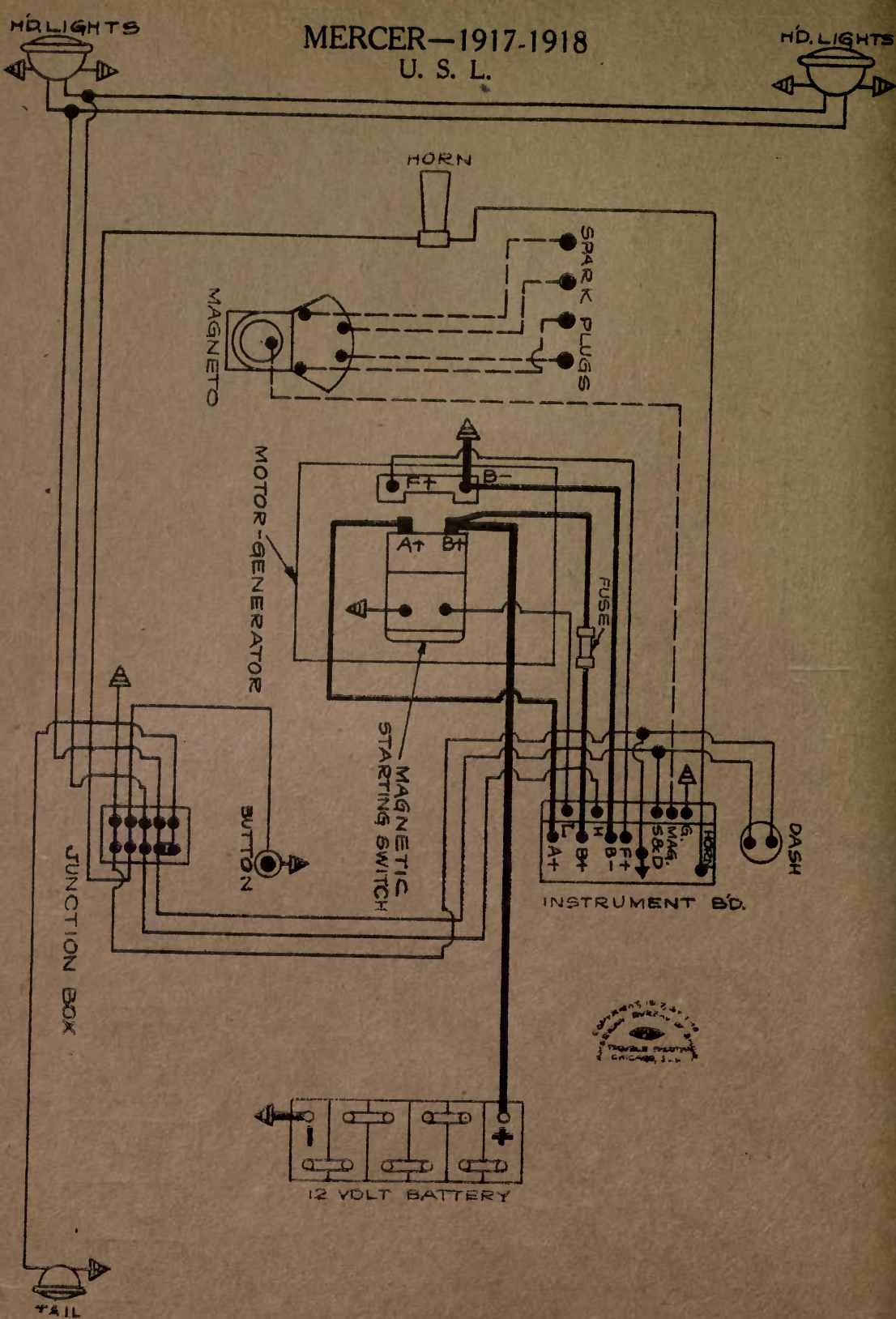
INSTRUMENT B'D.

DASH

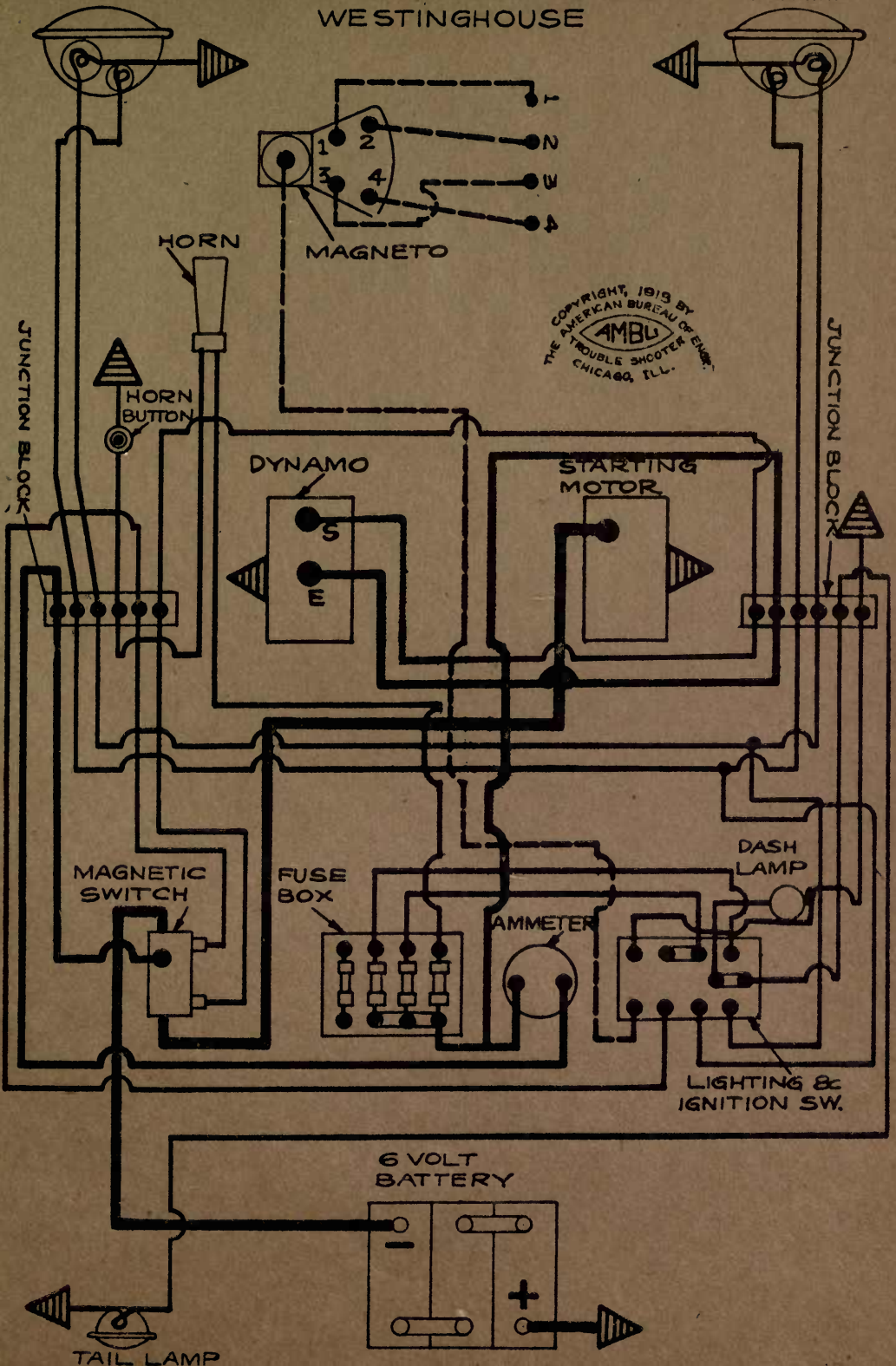
12 VOLT BATTERY



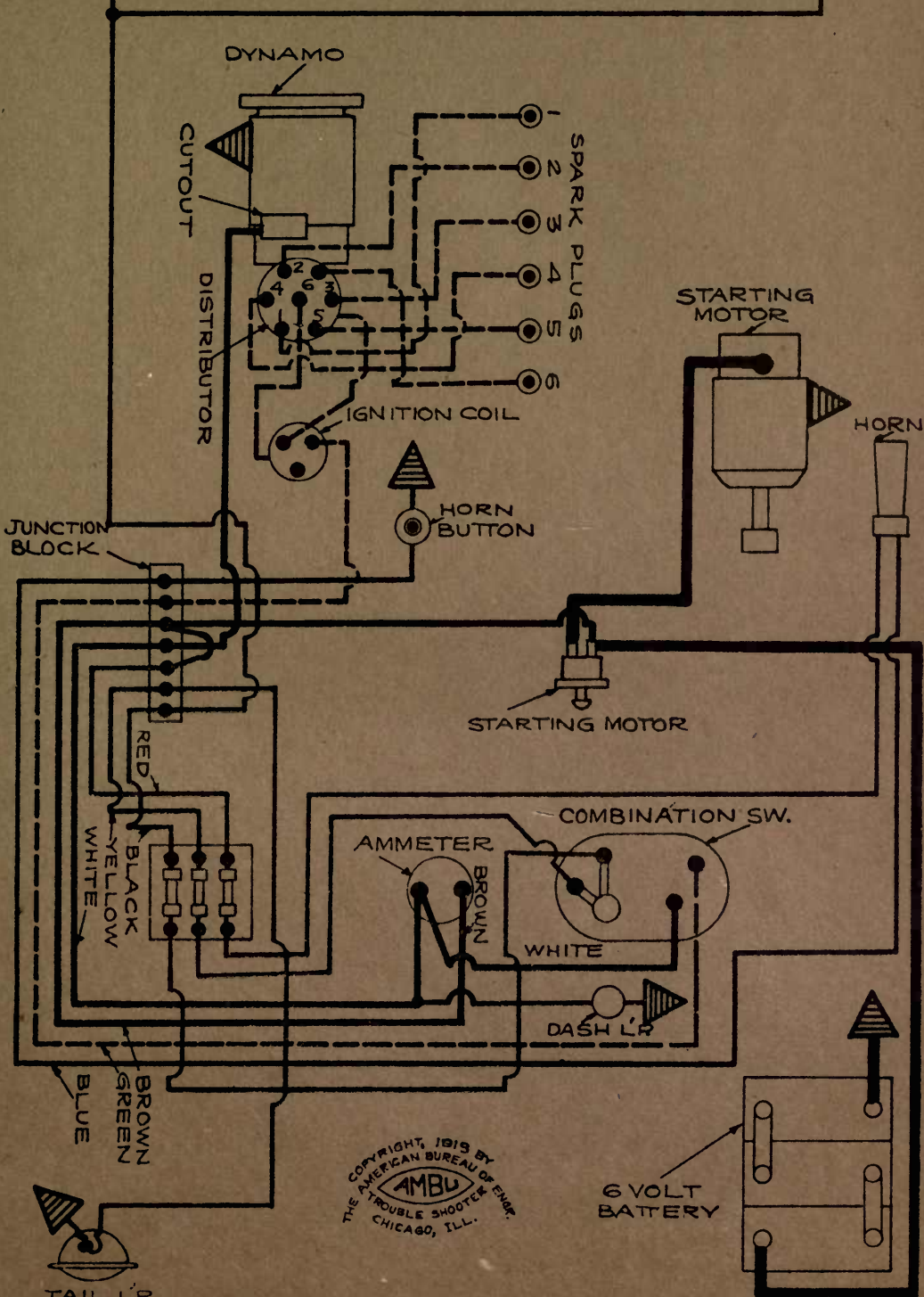
TAIL



HD. LAMP MERCER-SERIES-4 - '1918-1919' HD. LAMP
WESTINGHOUSE



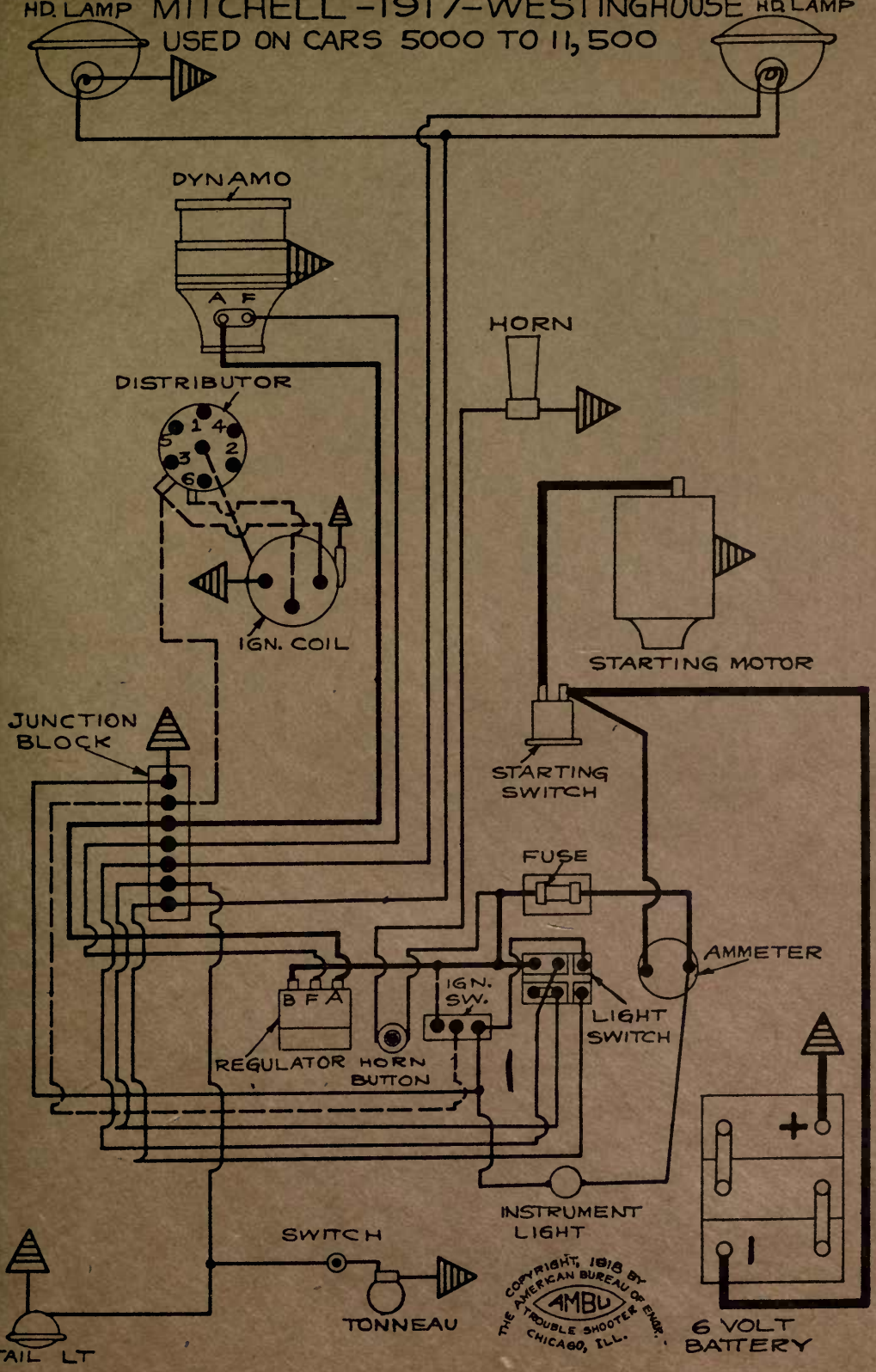
HD. LAMP MITCHELL "E-40" & "E-42" 1919 HD. LAMP
 VICTORY MODEL
 REMY



COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENG.
 TROUBLE SHOOTERS
AMBU
 CHICAGO, ILL.

6 VOLT BATTERY

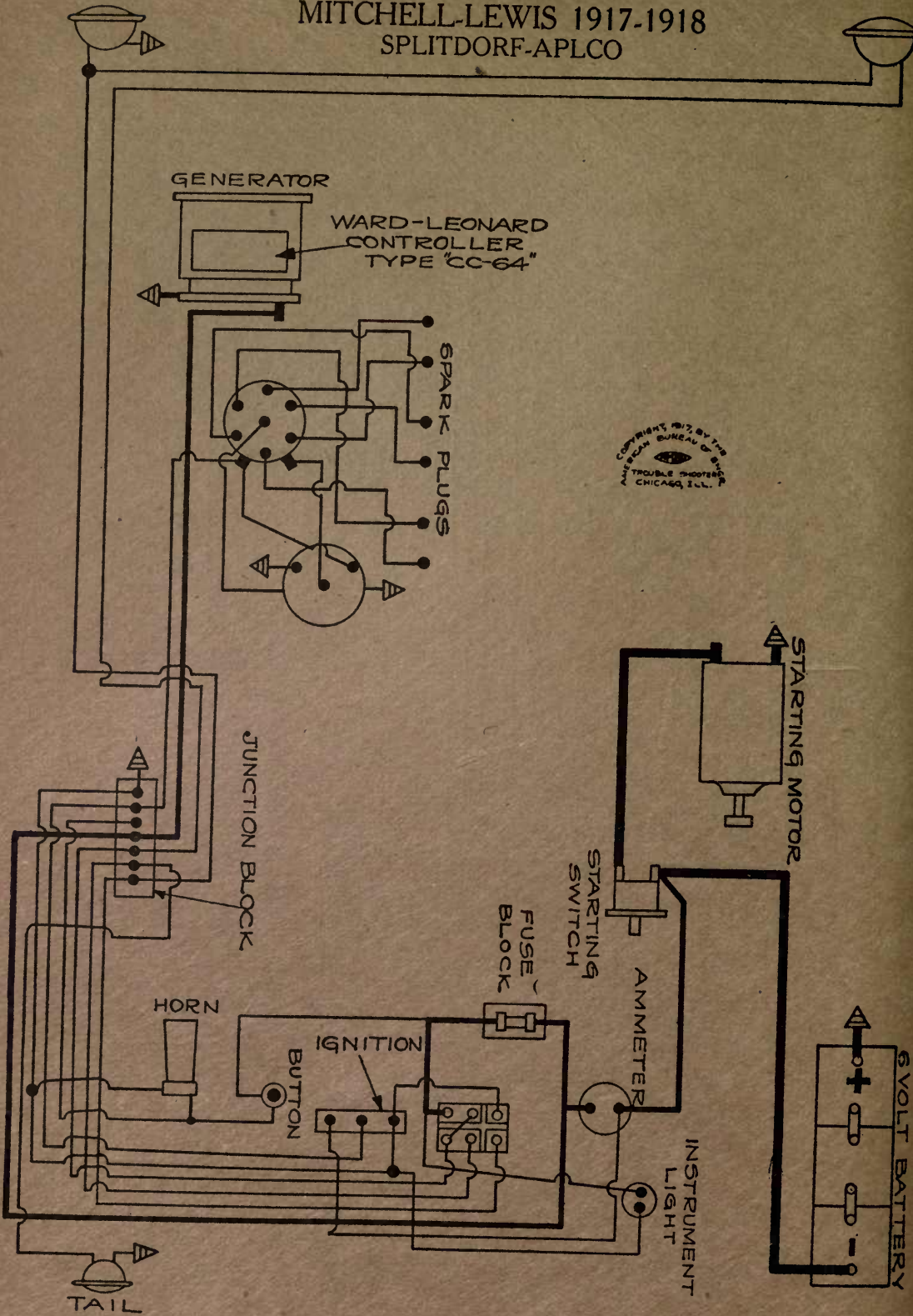
HD. LAMP MITCHELL -1917- WESTINGHOUSE HD. LAMP
 USED ON CARS 5000 TO 11,500



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENG'G.
 CHICAGO, ILL.

6 VOLT BATTERY

MITCHELL-LEWIS 1917-1918 SPLITDORF-APLCO

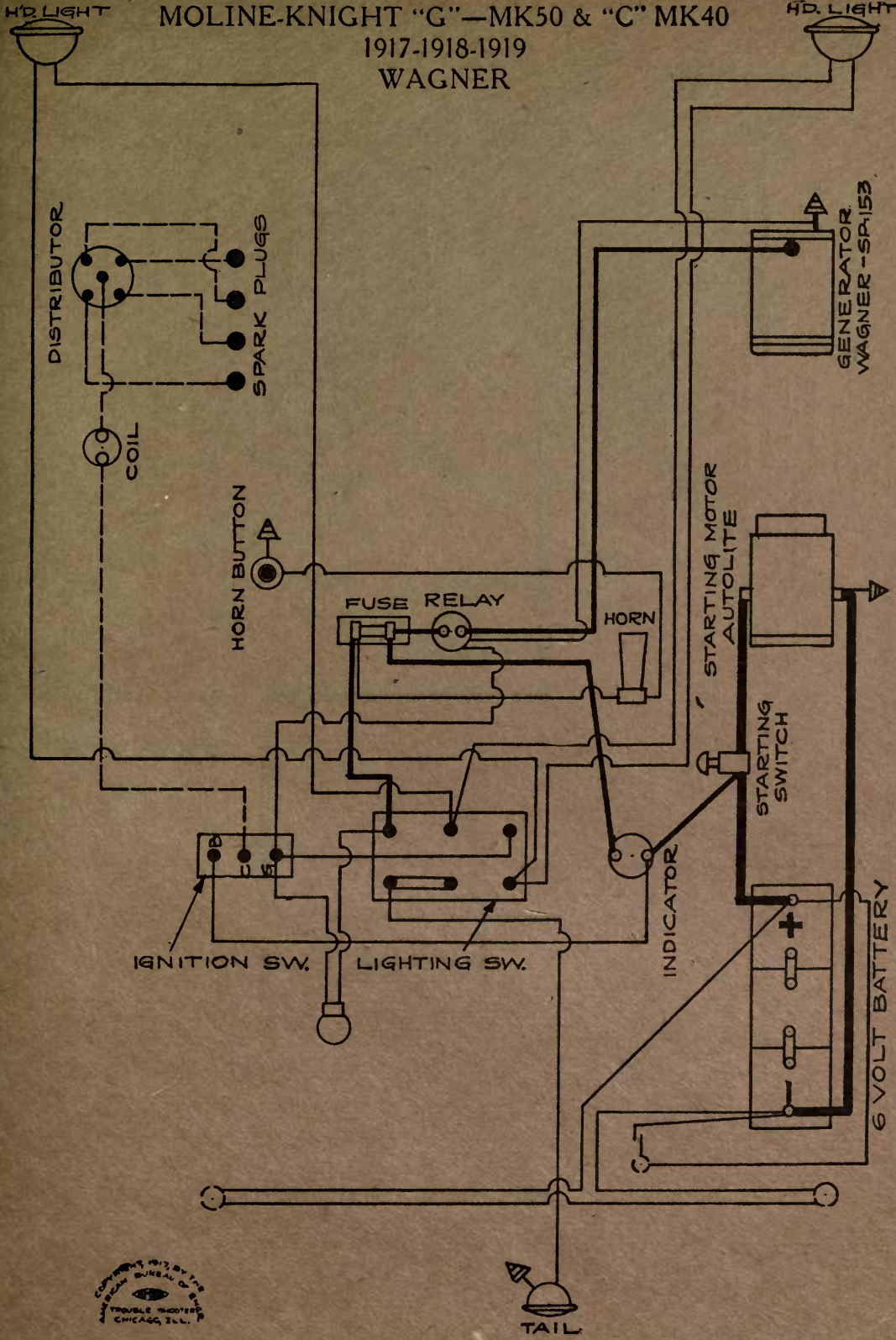


COPYRIGHT, 1917, BY THE
AMERICAN BUREAU OF
TRADE MARKS
CHICAGO, ILL.

MOLINE-KNIGHT "G"—MK50 & "C" MK40

1917-1918-1919

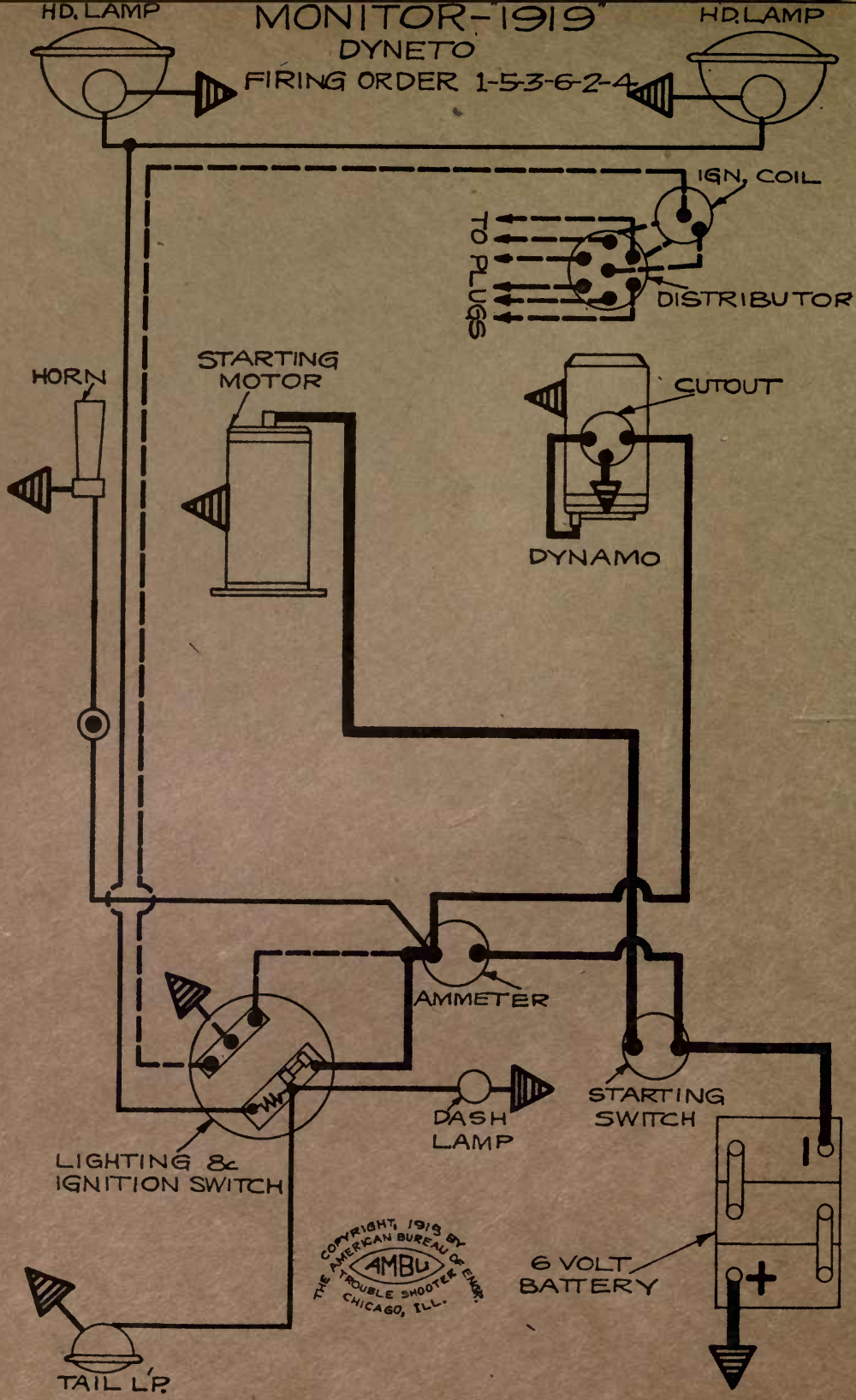
WAGNER



Copyright 1917, by The
Chicago Bureau of Auto
Trouble-Showers
CHICAGO, ILL.

MONITOR-1919 DYNETO

FIRING ORDER 1-5-3-6-2-4



COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERS
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

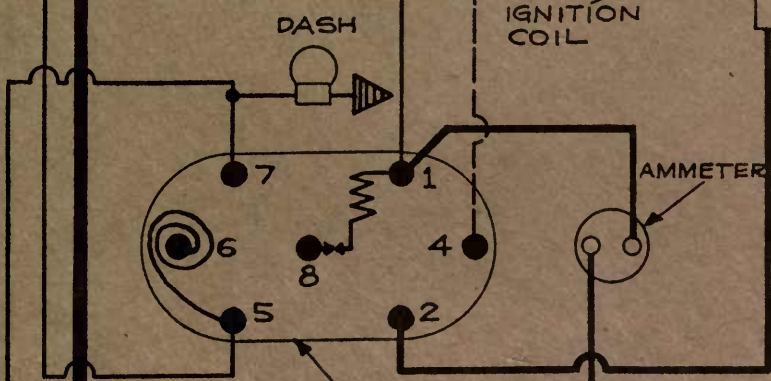
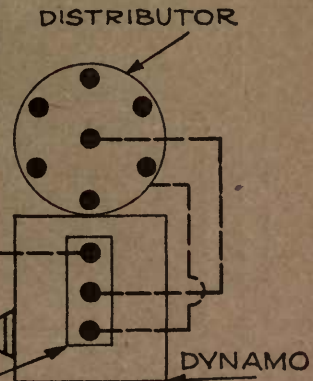
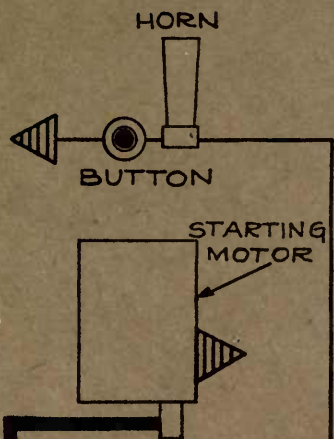
HD LAMP

MOON "6-66" 1918 & 1919

HD LAMP

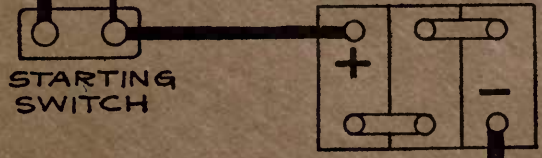
Two Button Switch

DELCO



LIGHTING & IGNITION SWITCH

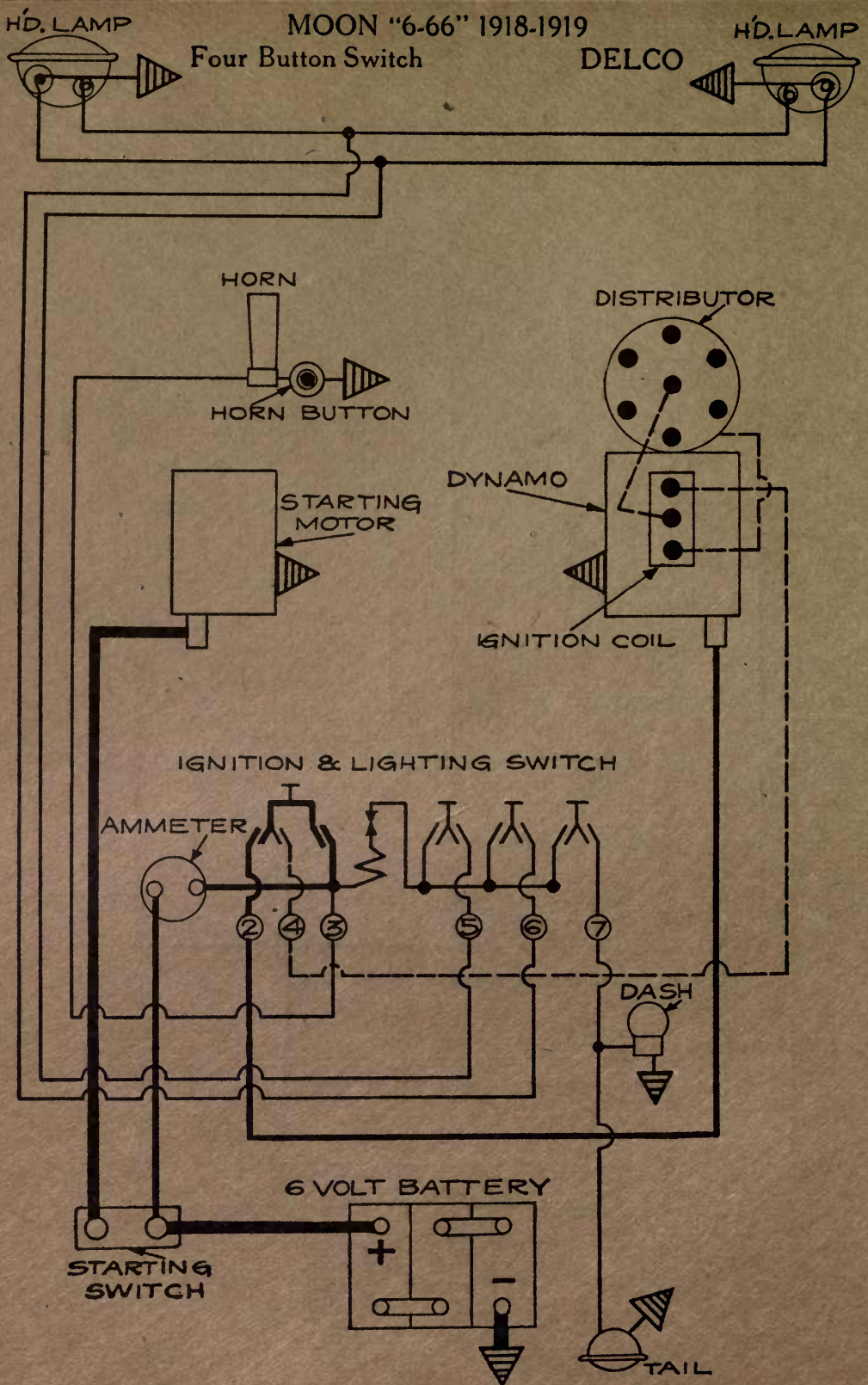
6 VOLT BATTERY



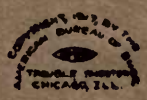
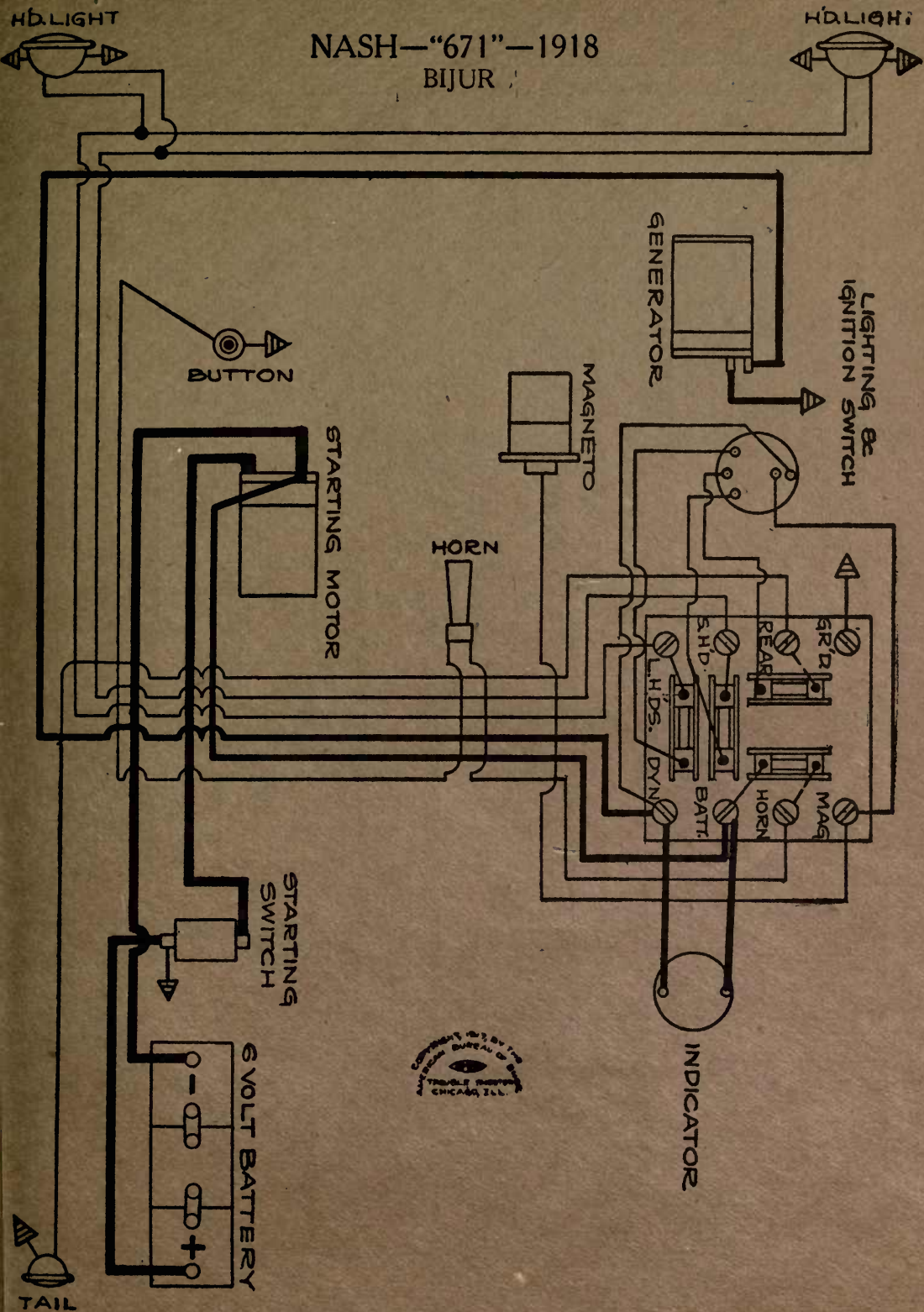
STARTING SWITCH



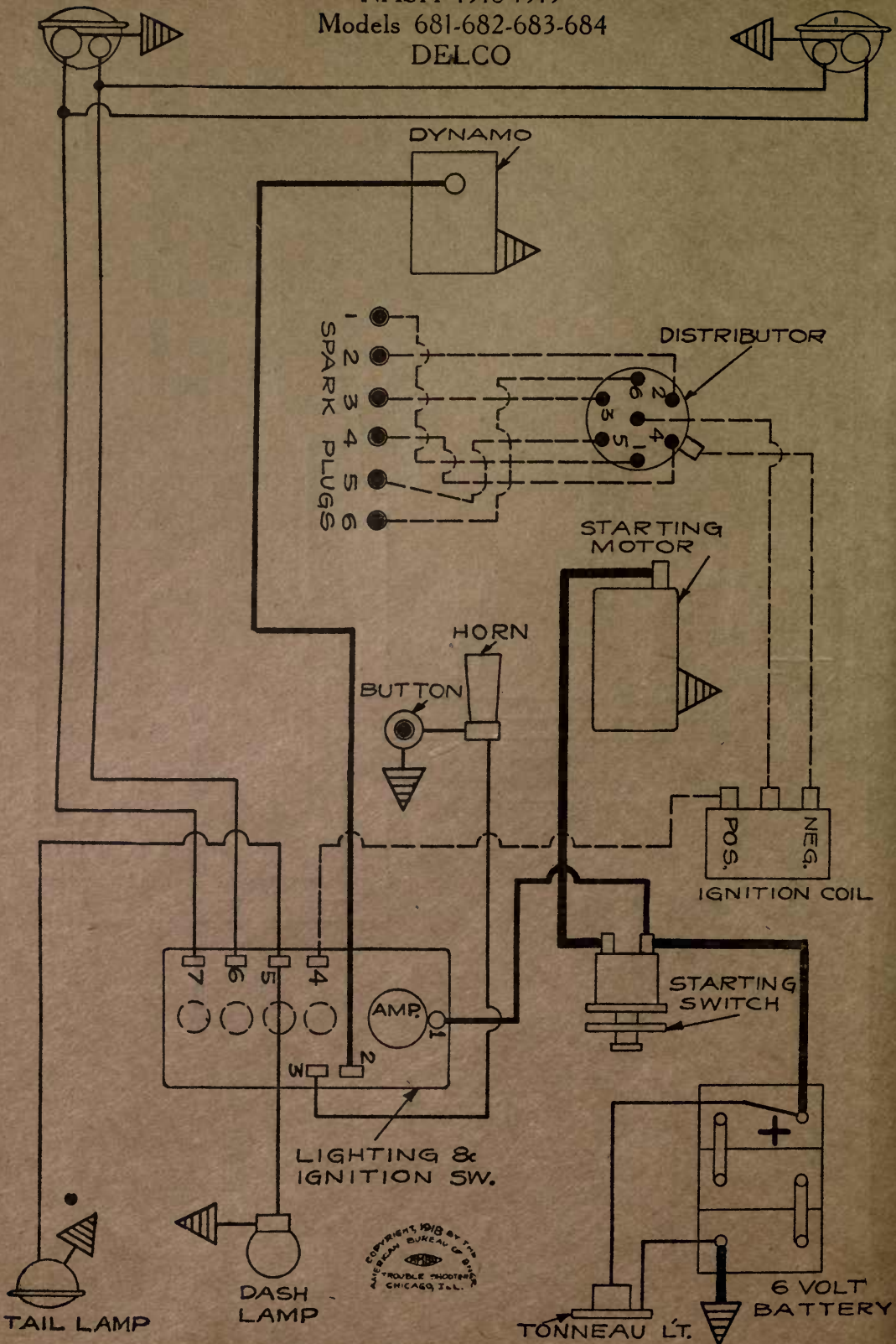
TAIL



NASH—"671"—1918
BIJUR



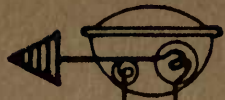
NASH 1918-1919
Models 681-682-683-684
DELCO



COPYRIGHT 1918 BY THE
AMERICAN BUKEAU OF BATTERY
PROVIDE PROTECTIVE
CHICAGO, ILL.

NATIONAL '6' 1918 WESTINGHOUSE

H'D LAMP



HORN

HORN BUTTON

DYNAMO
FRAME
208

DASH

STARTING
MOTOR

AMMETER

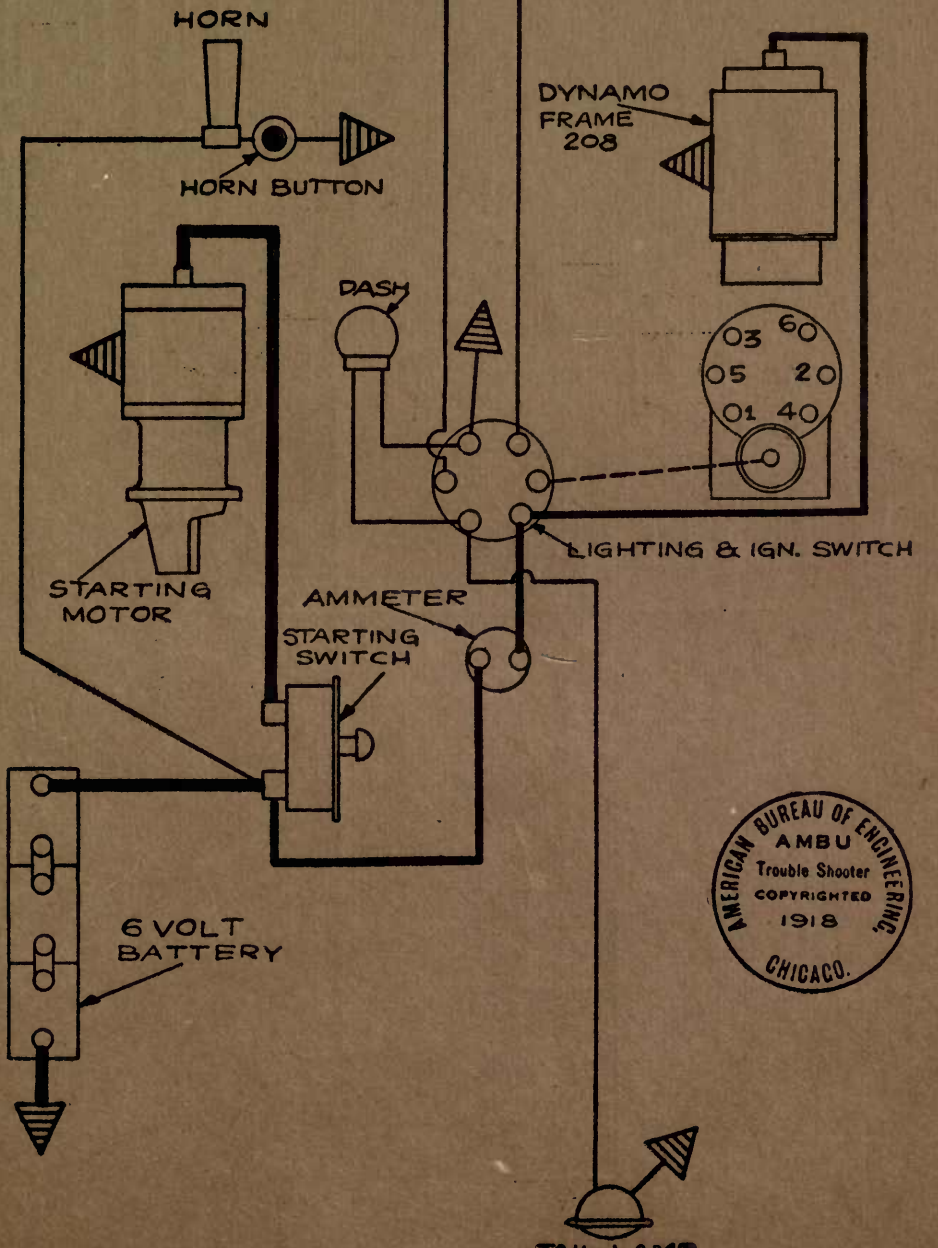
STARTING
SWITCH

LIGHTING & IGN. SWITCH

6 VOLT
BATTERY



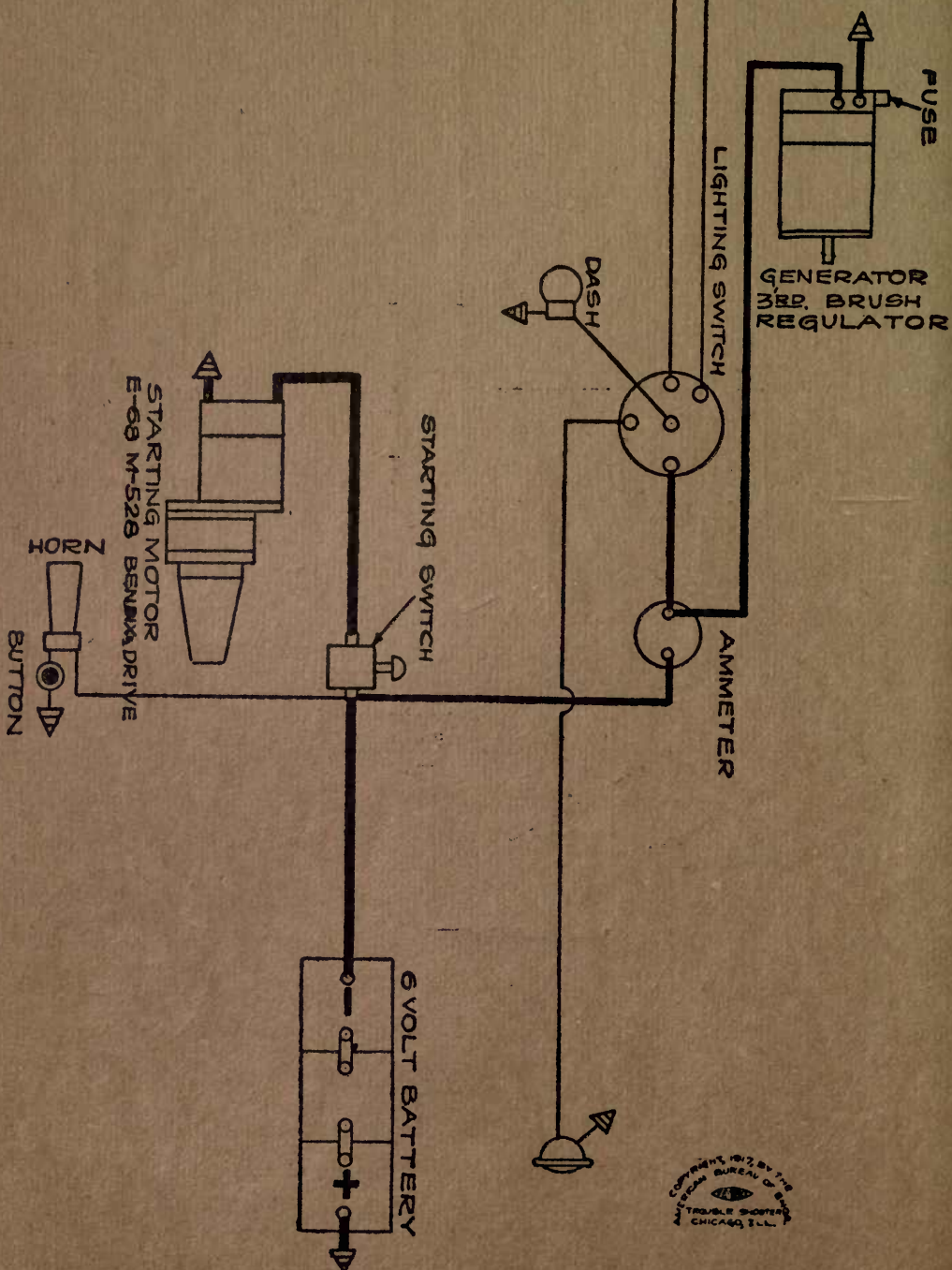
TAIL LAMP



HD. LIGHT

HD. LIGHT

BIJUR-1917 NATIONAL HIGHWAY '12"

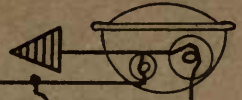


COPYRIGHT 1917 BY THE
 AUTOMOBILE BUREAU OF THE
 CHICAGO MOTOR CO.
 CHICAGO, ILL.

H.D. LAMP

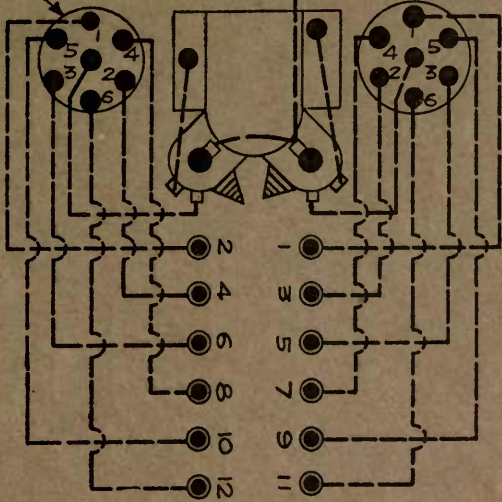
NATIONAL—12 CYL. 1918-1919 BIJUR

H.D. LAMP

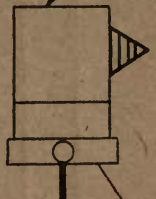


DISTRIBUTOR

DISTRIBUTOR



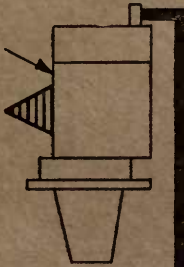
DYNAMO



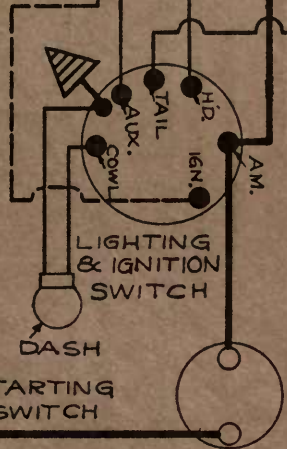
HORN



STARTING MOTOR



BUTTON

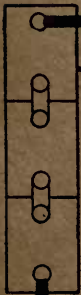


LIGHTING & IGNITION SWITCH

DASH

STARTING SWITCH

AMMETER



6 VOLT BATTERY



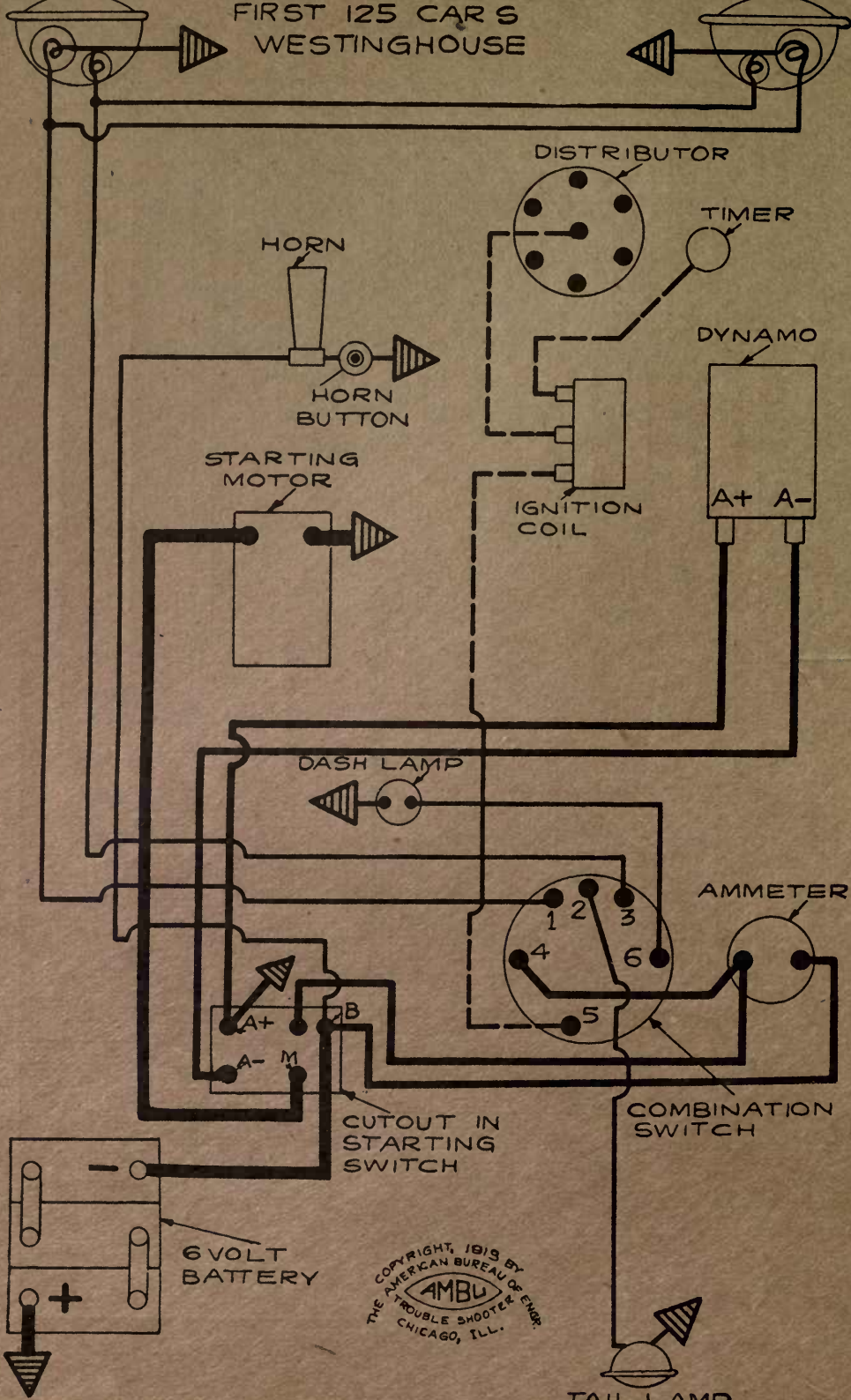
TAIL

Copyright, 1918, by
THE AMERICAN BUREAU OF EXP.
AMBU
THE TROUBLE SHOOTER, ETC.
CHICAGO, ILL.

H.D. LAMP NATIONAL - SER. AF 3-1919

H.D. LAMP

FIRST 125 CARS
WESTINGHOUSE



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENG'G.

 THE TROUBLE SHOOTER
 CHICAGO, ILL.

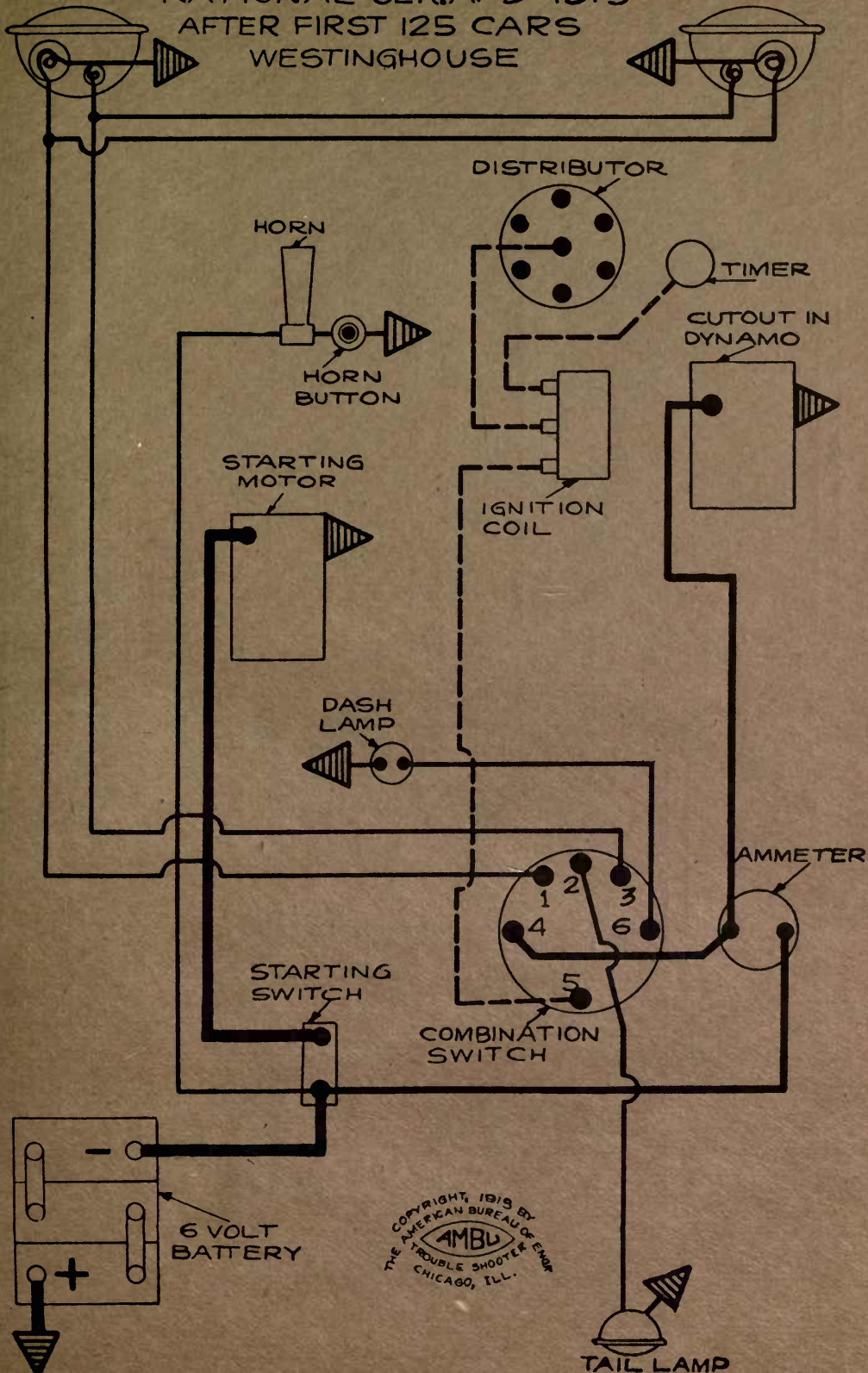
H.D. LAMP

NATIONAL-SER. AF3"-1919

H.D. LAMP

AFTER FIRST 125 CARS

WESTINGHOUSE



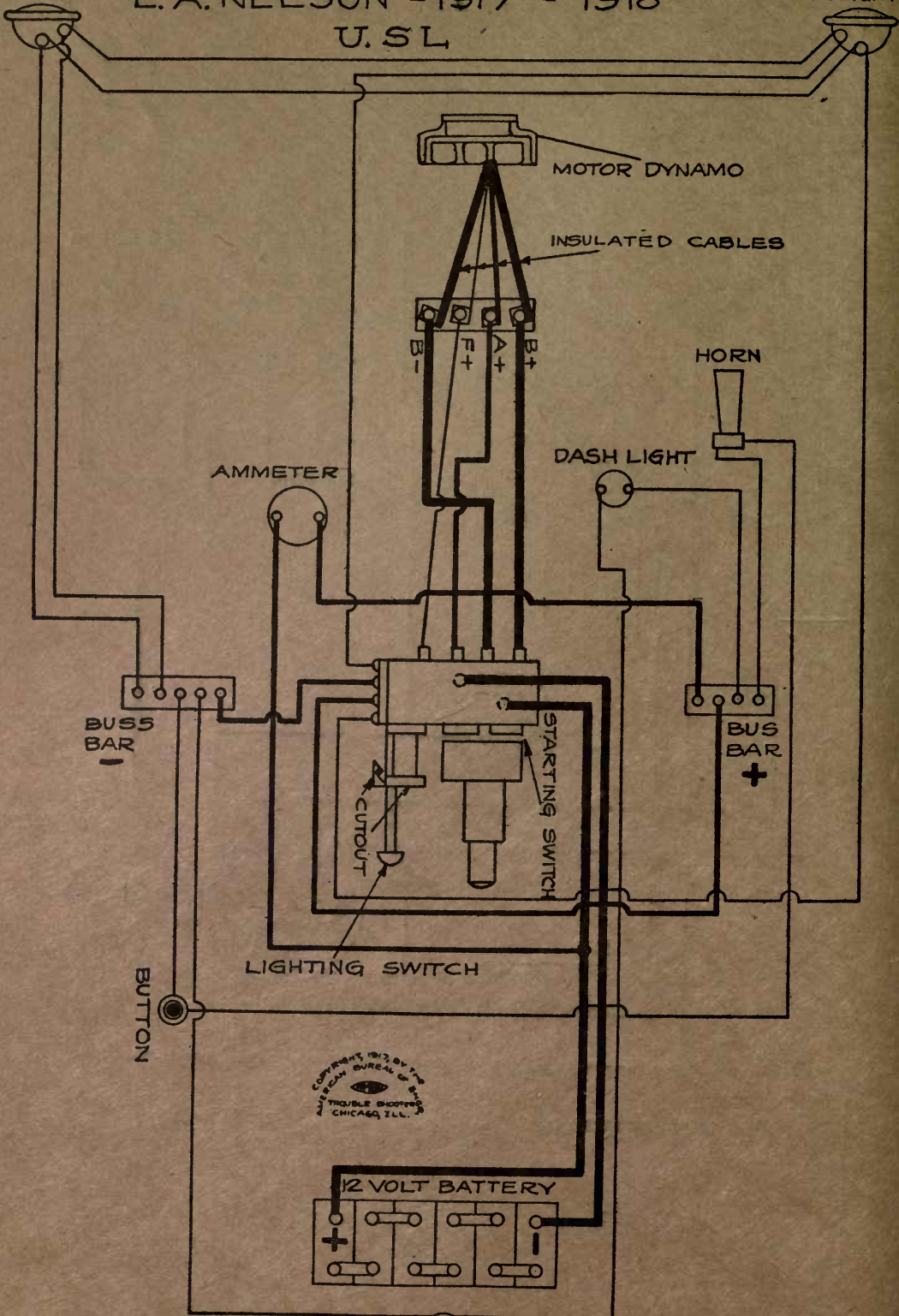
COPYRIGHT, 1919 BY
 THE AMERICAN BUREAU OF ENGINEERING
 TROUBLE SHOOTERS
 CHICAGO, ILL.

HD. LIGHT

E. A. NELSON - '1917' - '1918'

HD. LIGHT

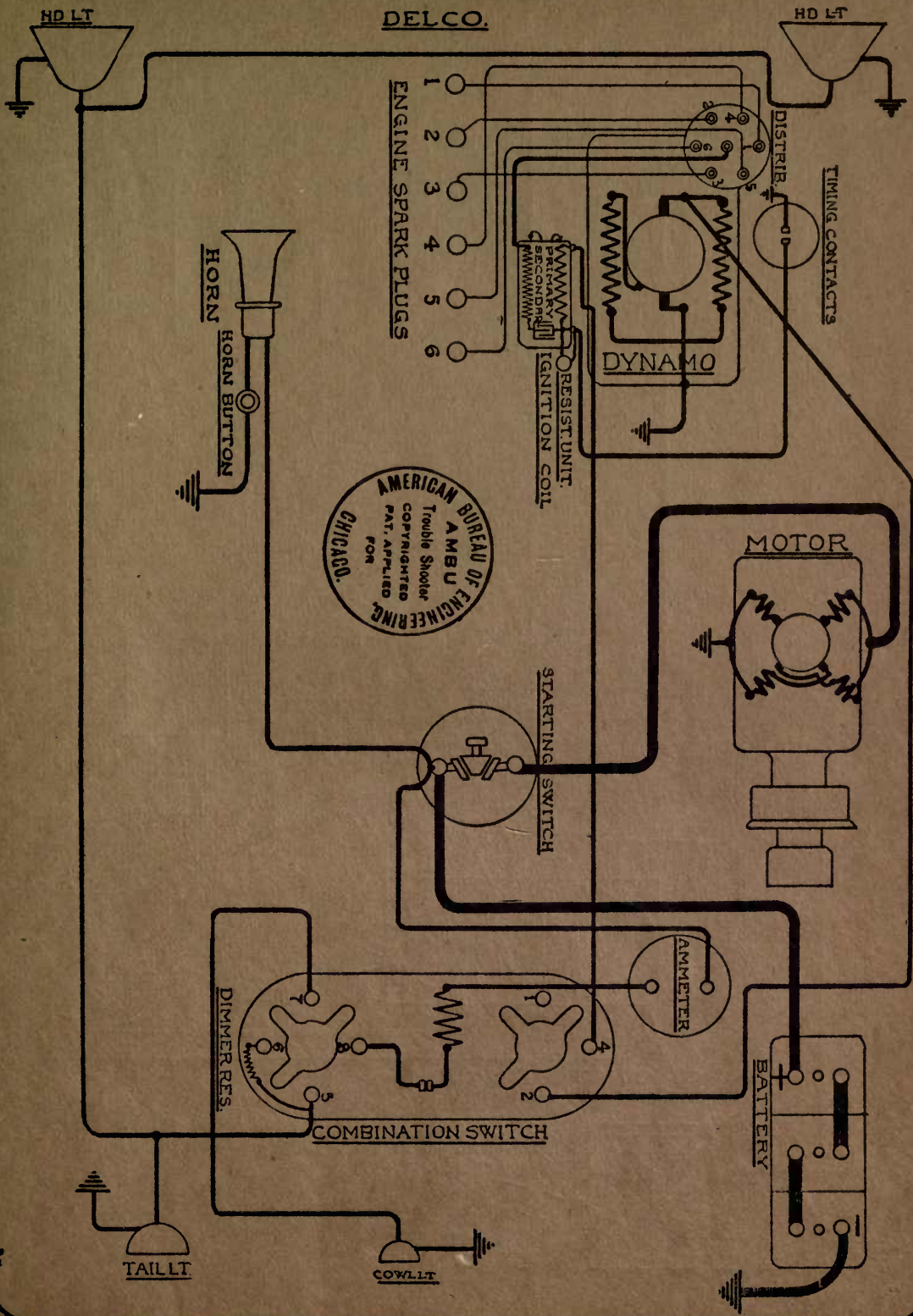
U. S. L.



COPYRIGHT, 1917, BY THE
 AMERICAN BUREAU OF SAFETY
 EQUIPMENT CO., CHICAGO, ILL.

OAKLAND 32-B & 34

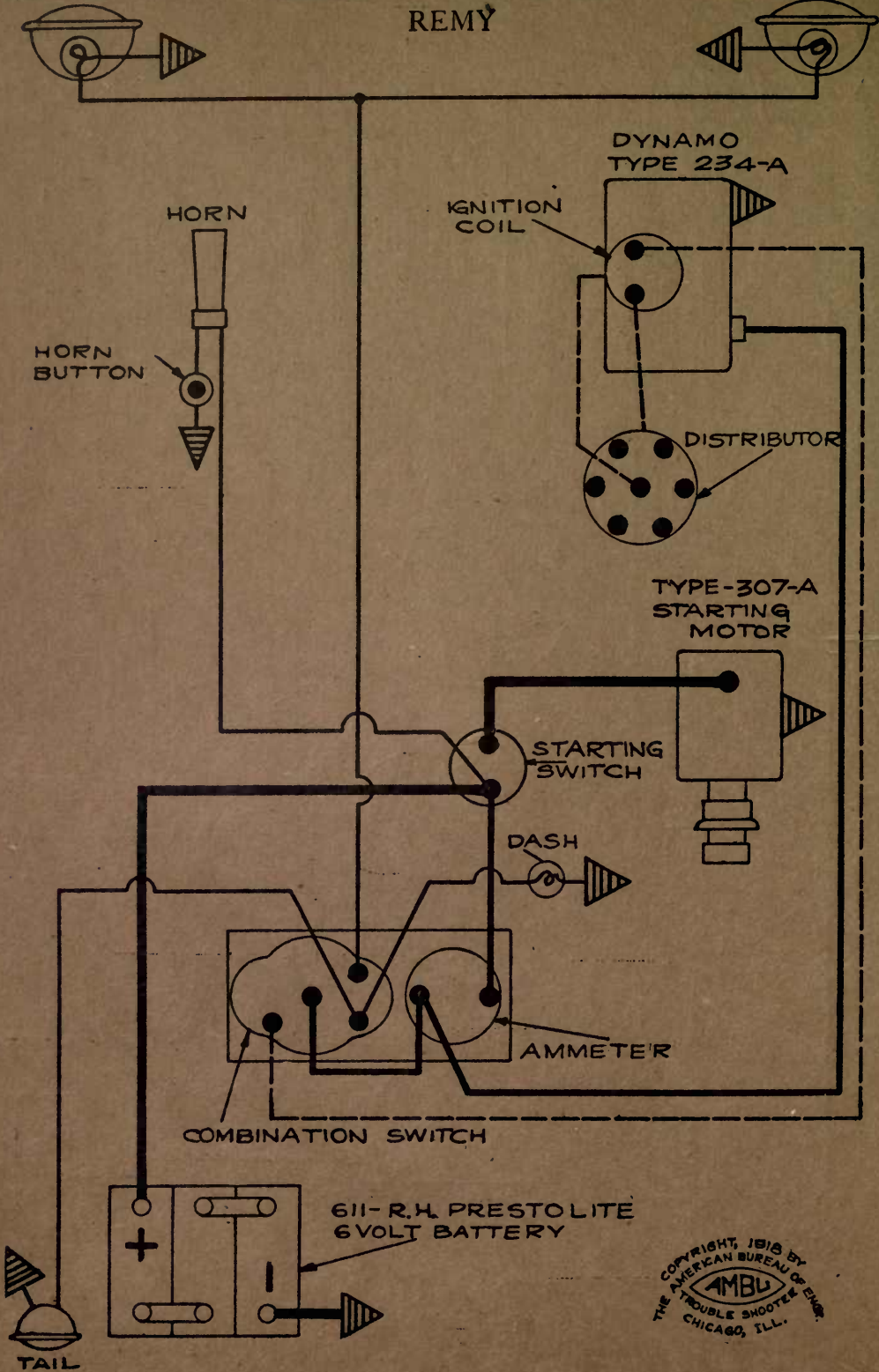
DELCO.



H'D. LAMP

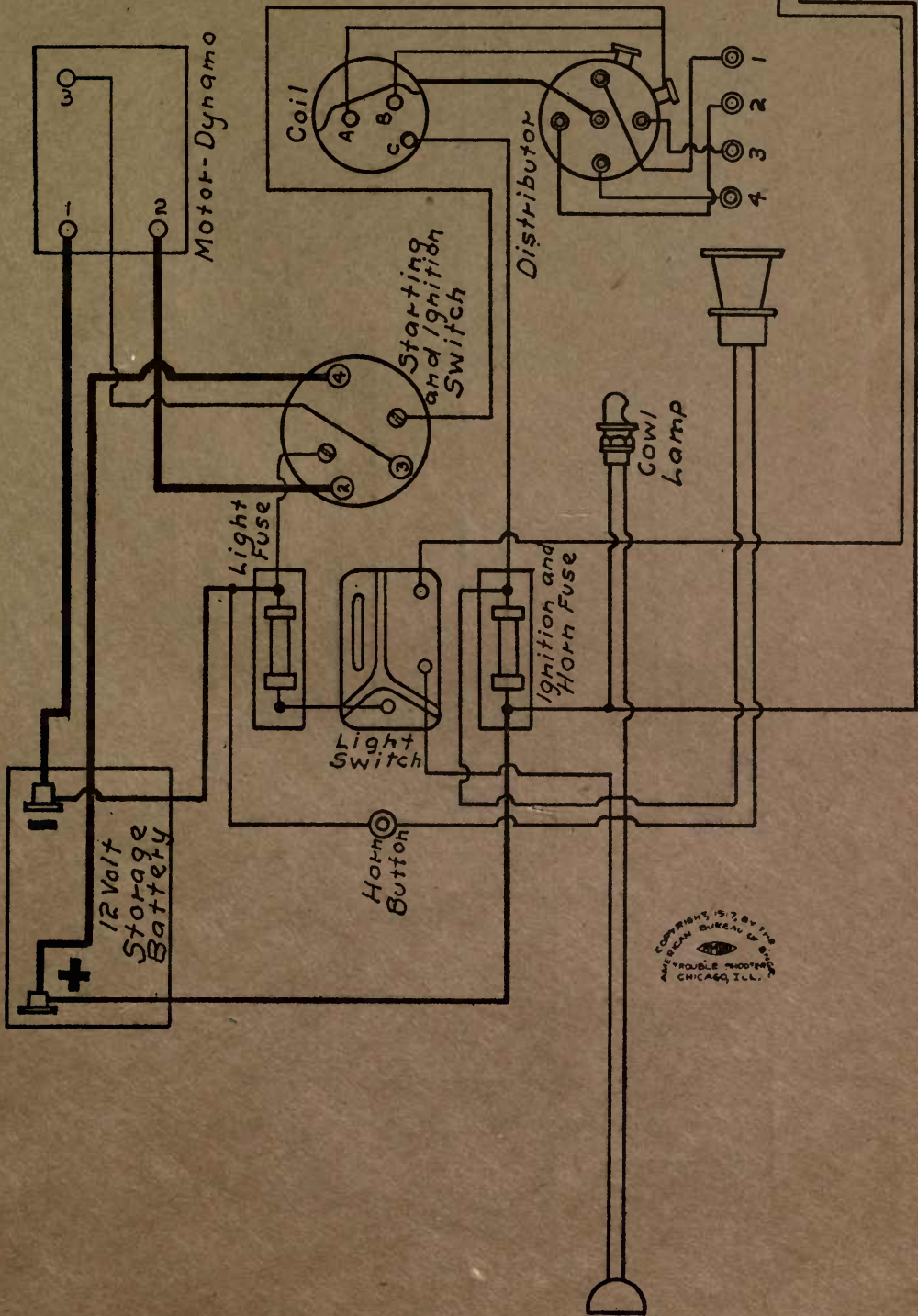
OAKLAND "34-B" 1918-1919 REMY

H'D. LAMP



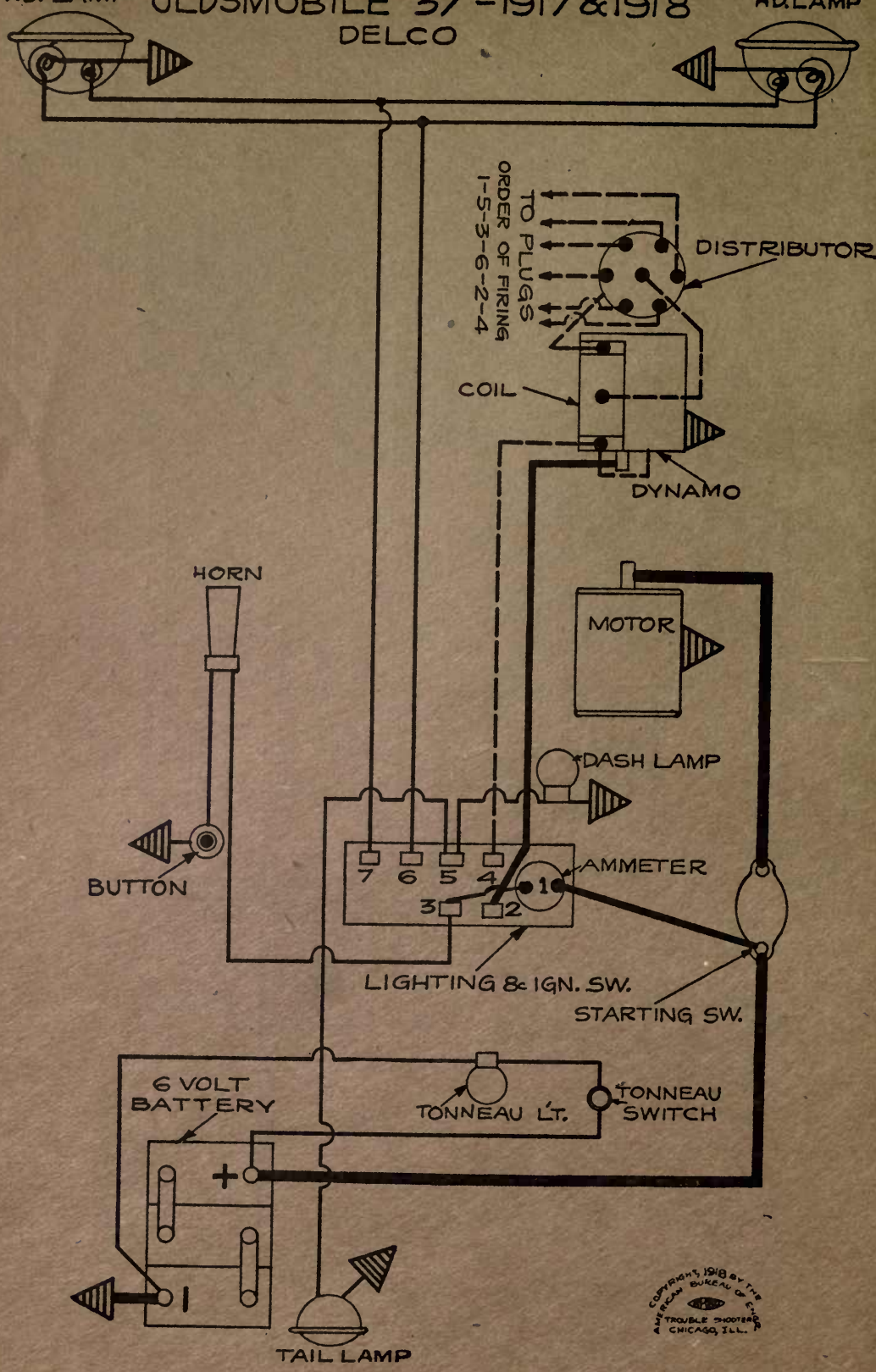
COPYRIGHT, 1918 BY
 AMBL
 THE TROUBLE SHOOTER
 CHICAGO, ILL.

DIXIE CARS TO No. 2200
AND OLD HICKORY TRUCKS
1916-1917-1918—DYNETO



COPYRIGHT, 1917, BY THE
AMERICAN BUREAU OF LIGHT
AND HEAVY TRUCKS
PROBLEME TRUCKING
CHICAGO, ILL.

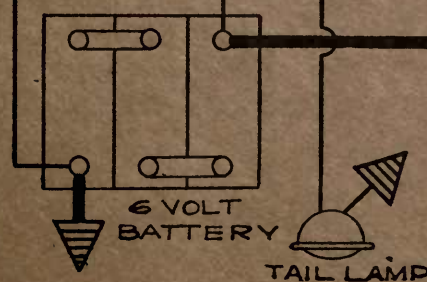
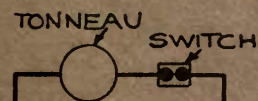
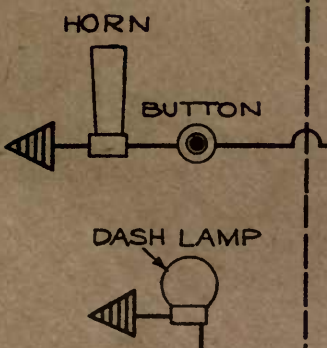
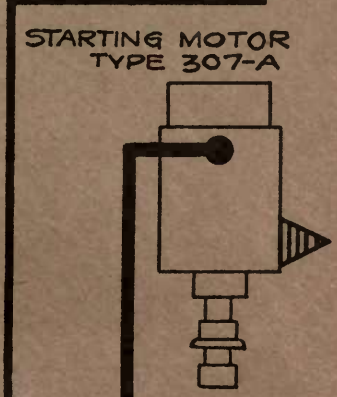
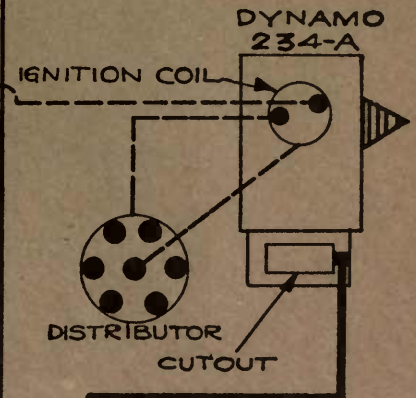
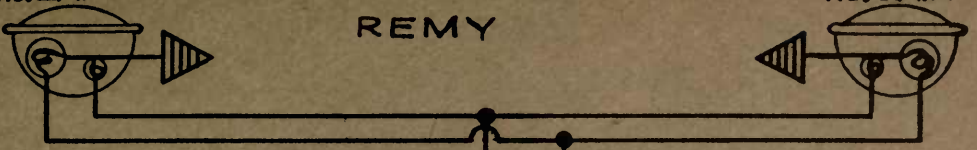
HD. LAMP OLDSMOBILE '37 - 1917 & 1918 DELCO HD. LAMP



COPYRIGHT 1918 BY THE
AMERICAN BUREAU OF ELECTRICITY
TROUBLE SHOOTERS
CHICAGO, ILL.

HQ LAMP OLDSMOBILE - "37" - 37A. 1918-1919
REMY

HQ LAMP

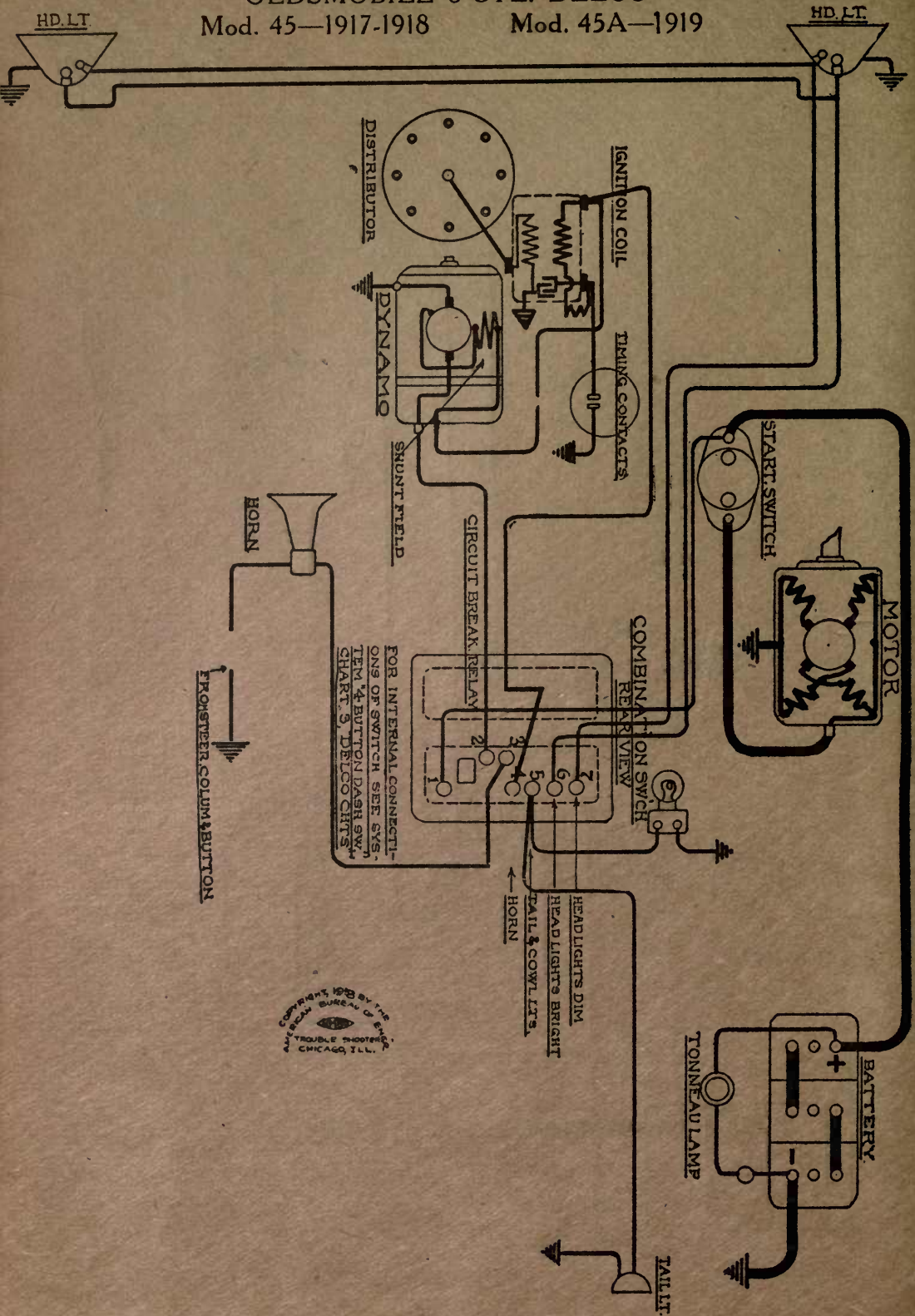


COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERS
TROUBLE SHOOTER
CHICAGO, ILL.

OLDSMOBILE 8 CYL. DELCO

Mod. 45—1917-1918

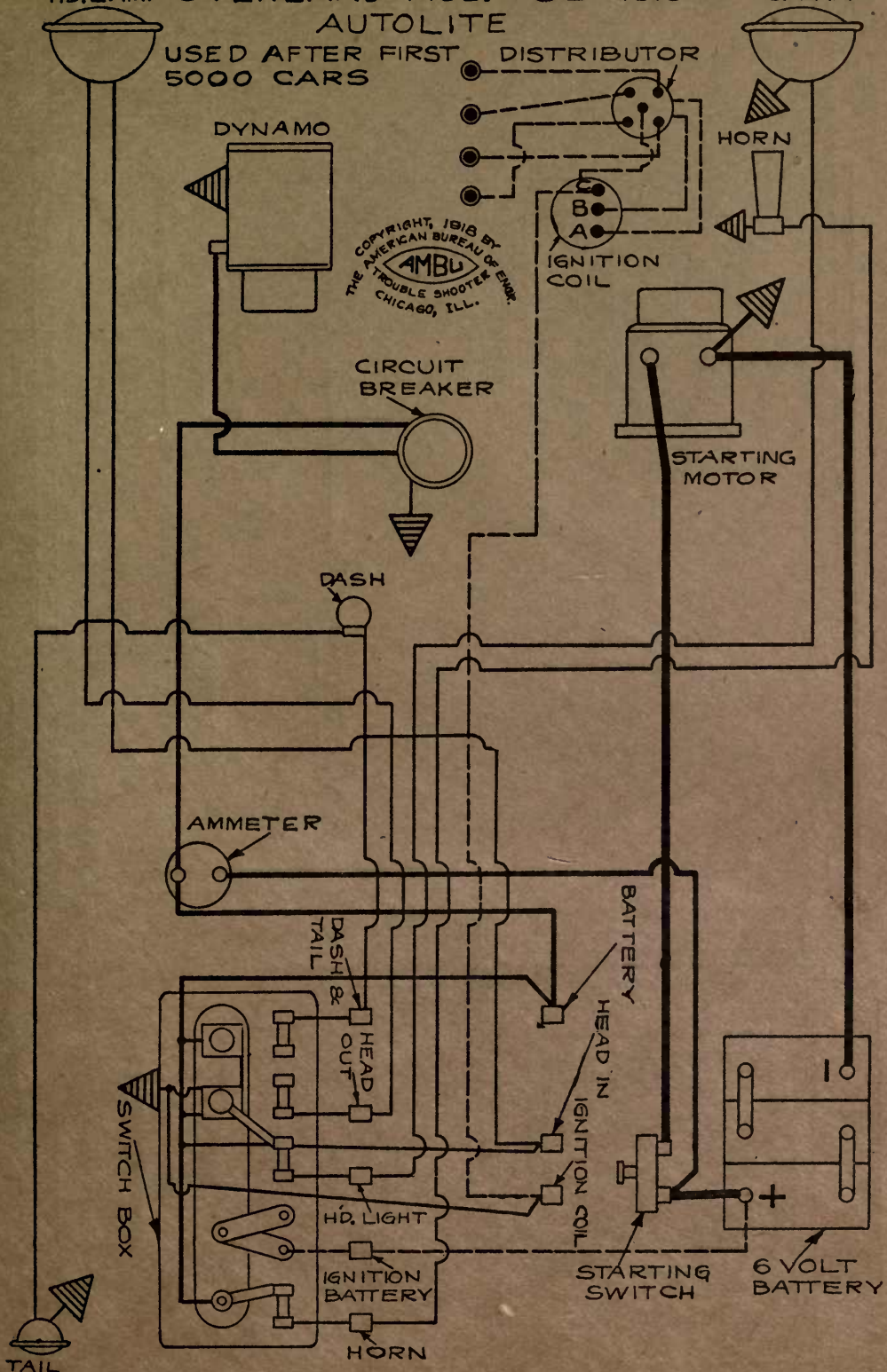
Mod. 45A—1919



COPYRIGHT 1919 BY THE
AMERICAN BUREAU OF LIGHTS
& TROUBLE SHOOTERS
CHICAGO, ILL.

HD. LAMP OVERLAND-MOD. 75B -1916-'17 HD. LAMP
AUTOLITE

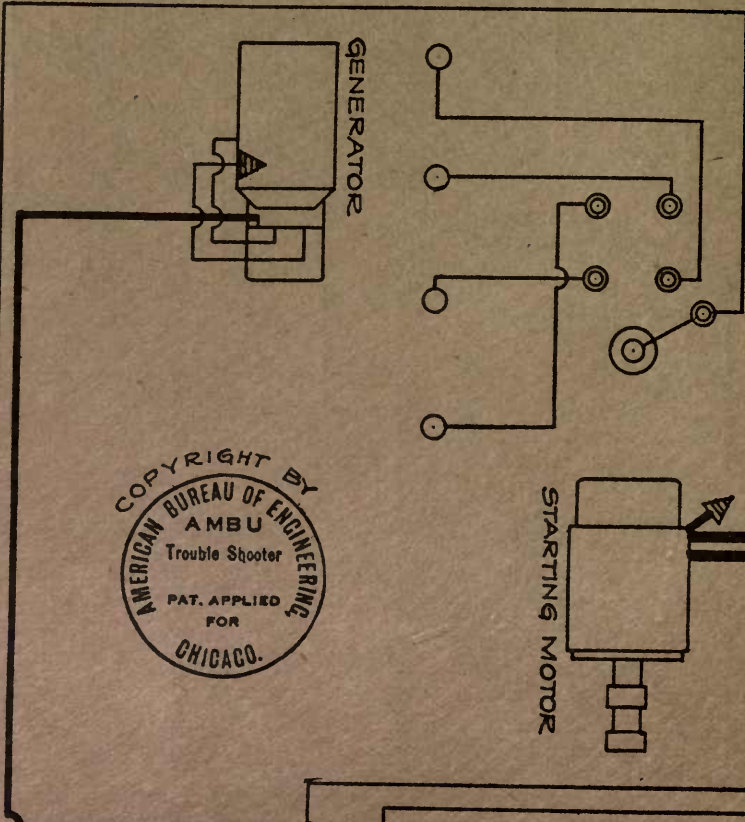
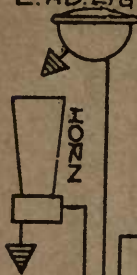
USED AFTER FIRST 5000 CARS



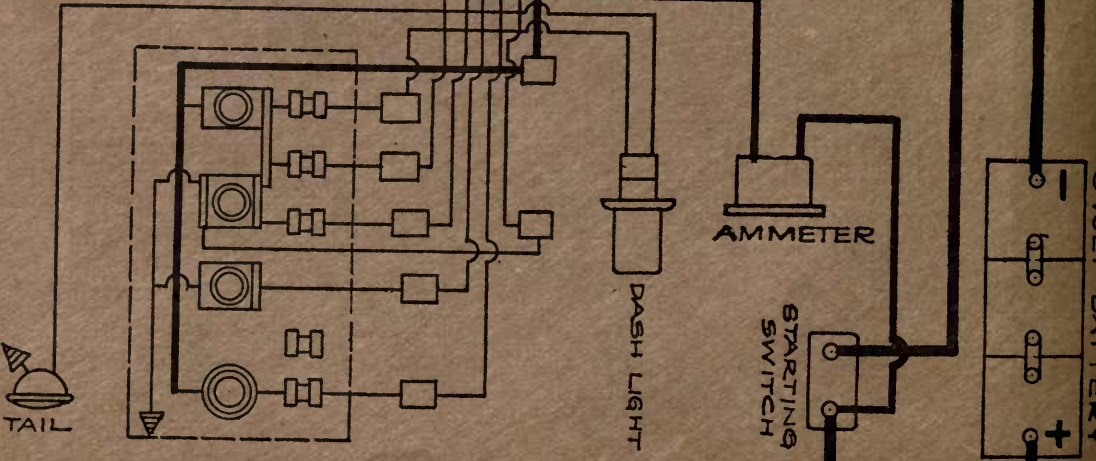
AUTOLITE - OVERLAND "1917"
MODEL 83-DE

L. HD. LIGHT

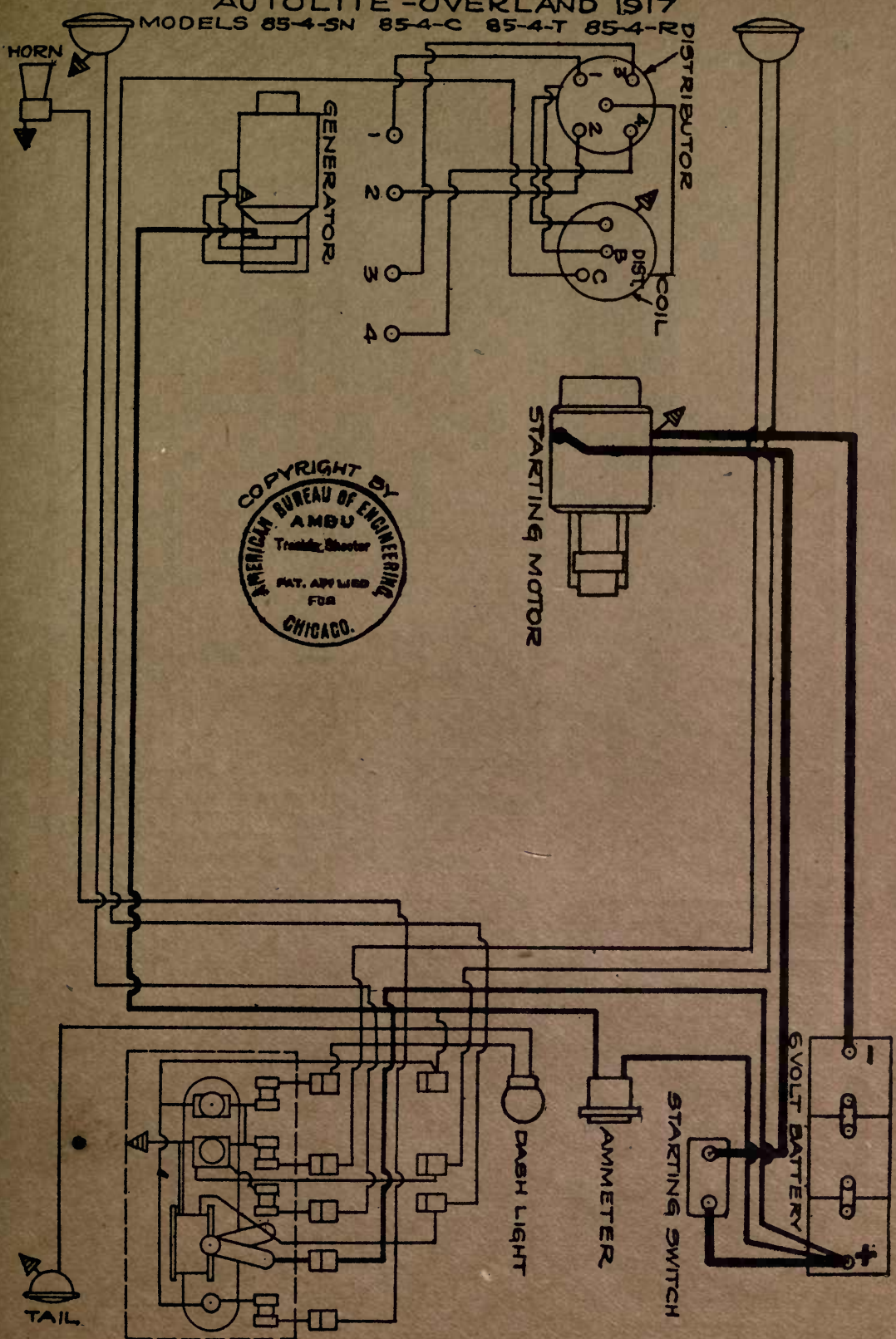
R. HD. LIGHT



COPYRIGHT BY
AMERICAN BUREAU OF ENGINEERING
AMBU
Trouble Shooter
PAT. APPLIED FOR
FOR
CHICAGO.



AUTOLITE -OVERLAND 1917
MODELS 85-4-SN 85-4-C 85-4-T 85-4-R

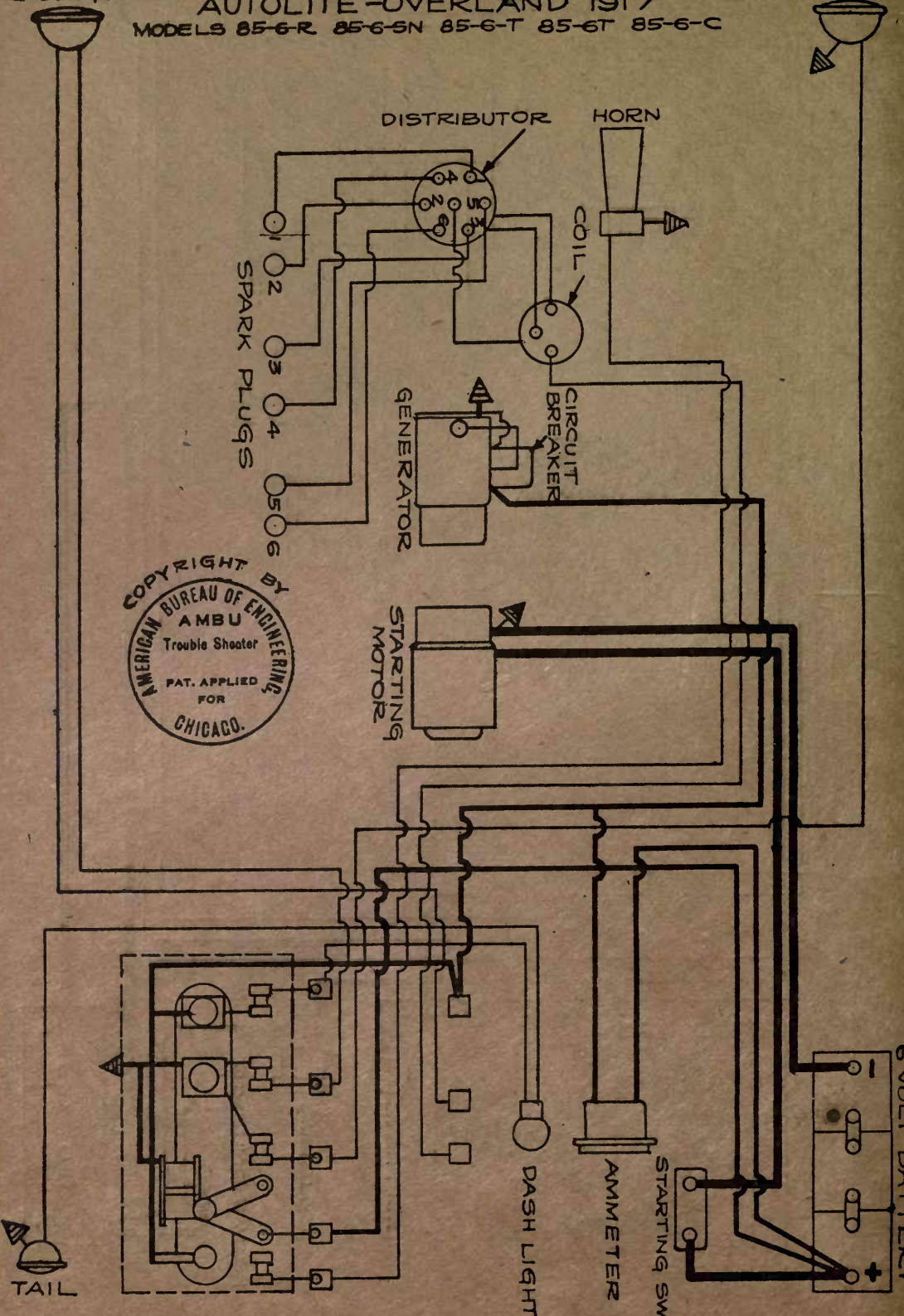


L.H.D. LIGHT

R.H.D. LIGHT

AUTOLITE - OVERLAND '1917'

MODELS 85-6-R 85-6-SN 85-6-T 85-6T 85-6-C



COPYRIGHT BY
 AMBU
 Trouble Shooter
 PAT. APPLIED FOR
 CHICAGO.

TAIL LIGHT

6 VOLT BATTERY

STARTING SW.

AMMETER

DASH LIGHT

STARTING MOTOR

GENERATOR

CIRCUIT BREAKER

COIL

HORN

DISTRIBUTOR

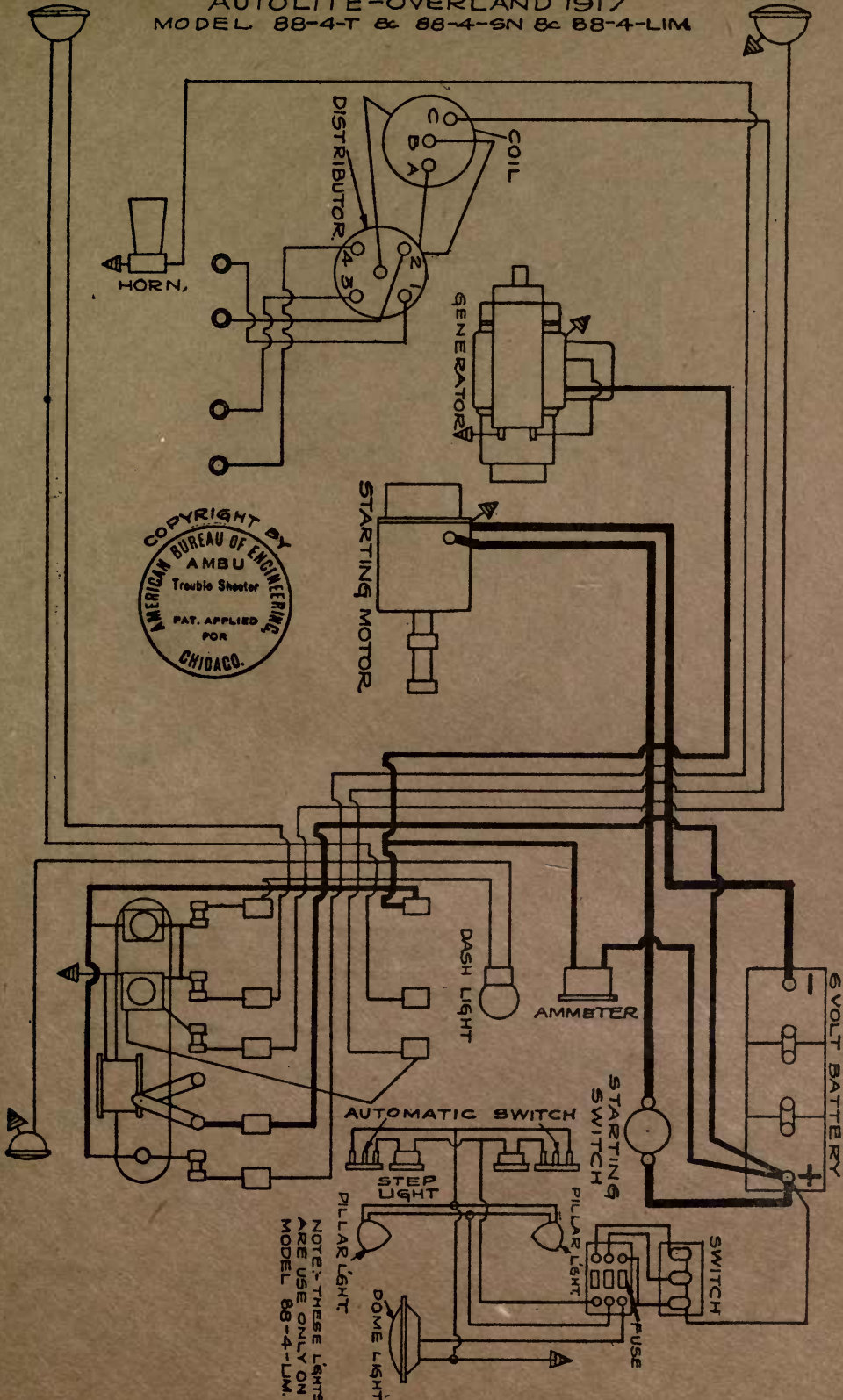
SPARK PLUGS

LHD LIGHT

R.H. LIGHT

AUTOLITE-OVERLAND '1917'

MODEL 88-4-T & 88-4-SN & 88-4-LIM



COPYRIGHT BY
 AMERICAN BUREAU OF ENGINEERING
 AMBU
 Trouble Shooter
 PAT. APPLIED FOR
 CHICAGO.

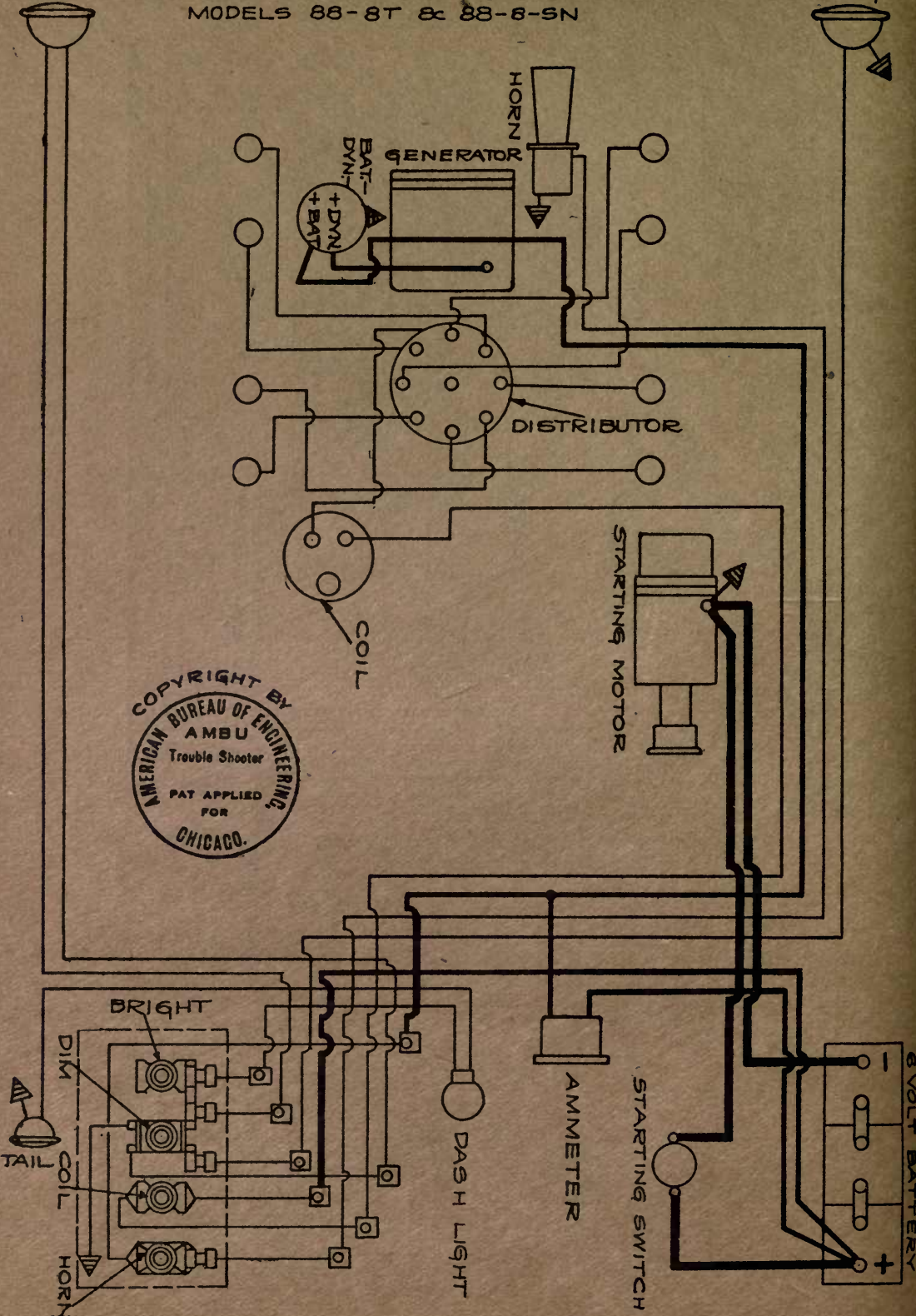
NOTE: THESE LIGHTS
 ARE USE ONLY ON
 MODEL 88-4-LIM.

L.H.D. LIGHT

AUTOLITE - OVERLAND '1917'

MODELS 88-8T & 88-8-9N

R.H.D. LIGHT



COPYRIGHT BY
 AMBU
 Trouble Shooter
 AMERICAN BUREAU OF ENGINEERING
 PAT APPLIED FOR
 CHICAGO.

BRIGHT

DIM

TAIL

COIL

HORN

DASH LIGHT

AMMETER

STARTING SWITCH

6 VOLT BATTERY

BAT-
DYN-
+ DYN
+ BAT

GENERATOR

HORN

DISTRIBUTOR

COIL

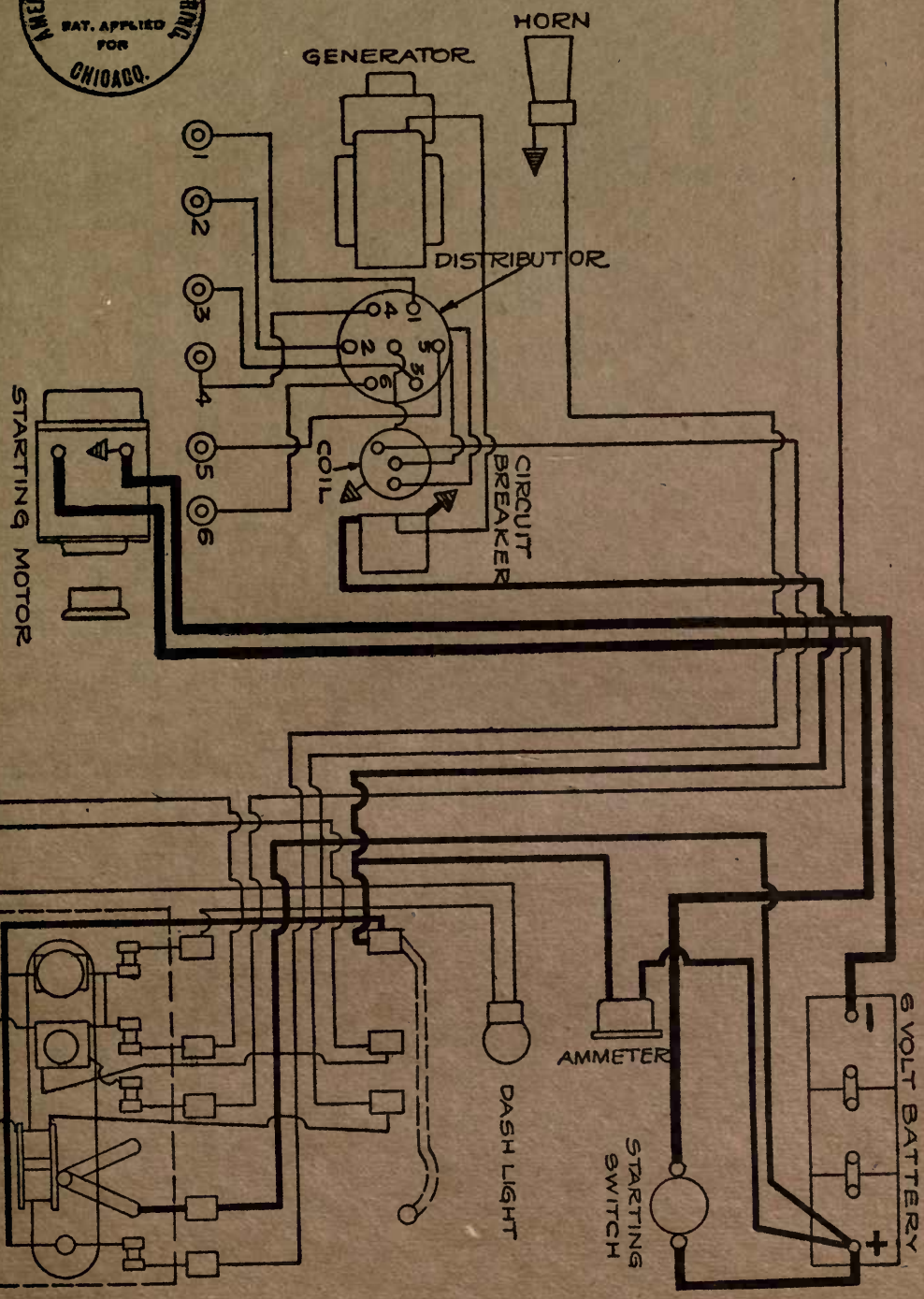
STARTING MOTOR

L. HD LIGHT

AUTOLITE-OVERLAND '1917'

MODEL 89-CLR & 89T & 86-B

R. HD LIGHT



STARTING MOTOR

GENERATOR

HORN

DISTRIBUTOR

COIL

CIRCUIT BREAKER

DASH LIGHT

AMMETER

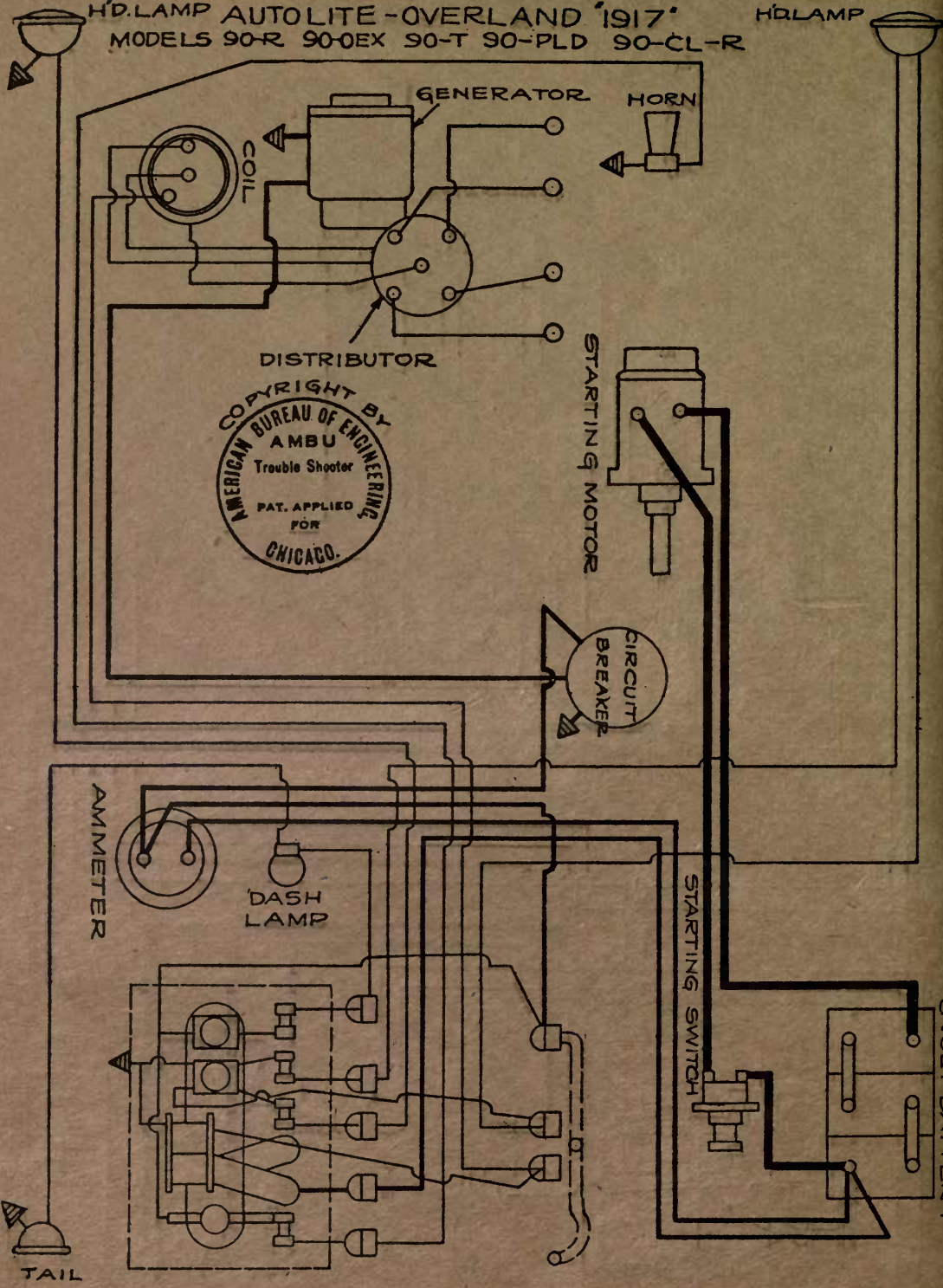
STARTING SWITCH

6 VOLT BATTERY

TAIL

H'D. LAMP AUTO LITE - OVERLAND '1917'
MODELS 90-R 90-0EX 90-T 90-PLD 90-CL-R

H'D. LAMP



COPYRIGHT BY
AMBU
Trouble Shooter
AMERICAN BUREAU OF ENGINEERING
PAT. APPLIED FOR
CHICAGO.

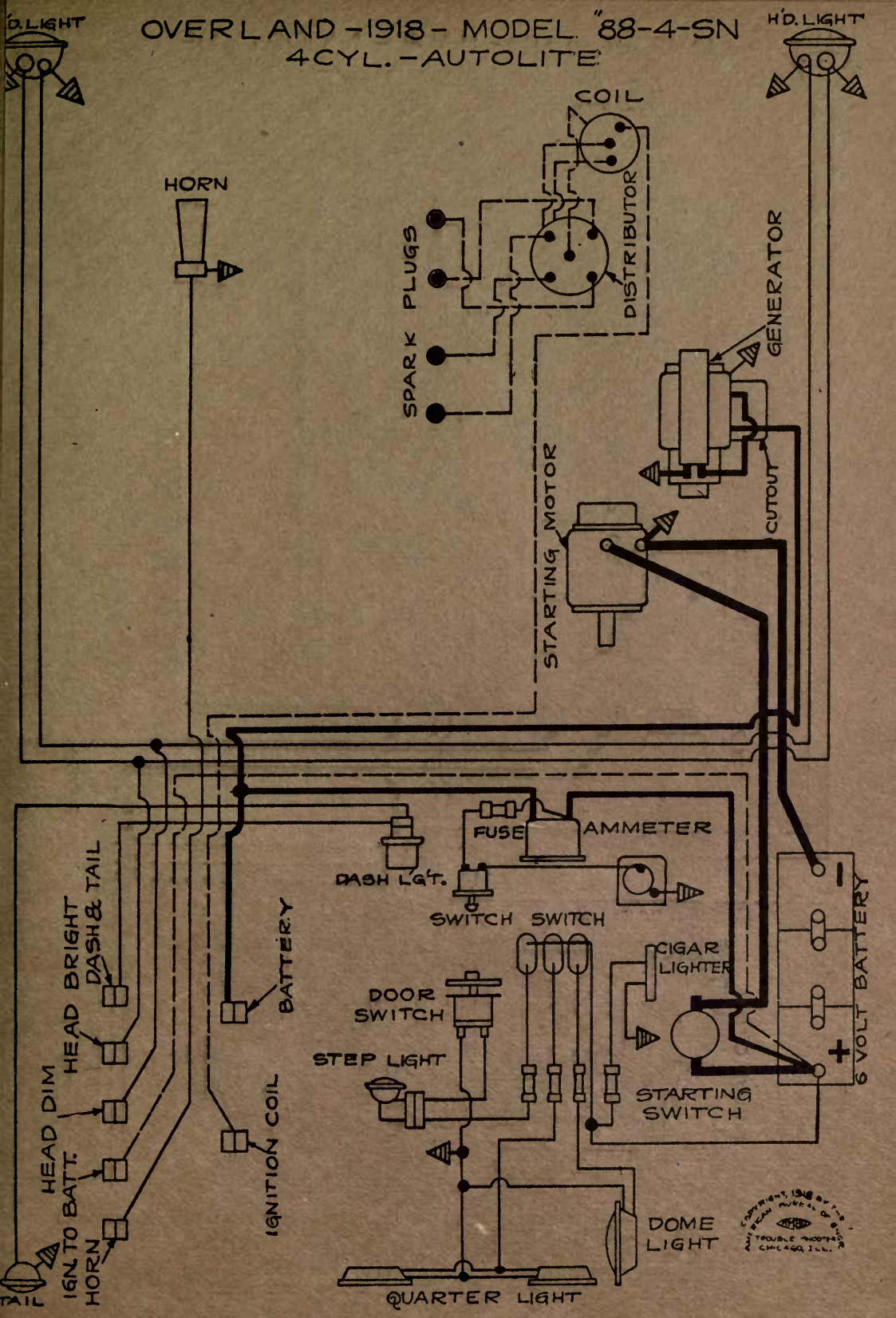
AMMETER

DASH LAMP

TAIL

6 VOLT BATTERY

OVERLAND - 1918 - MODEL "88-4-SN" 4CYL. - AUTOLITE



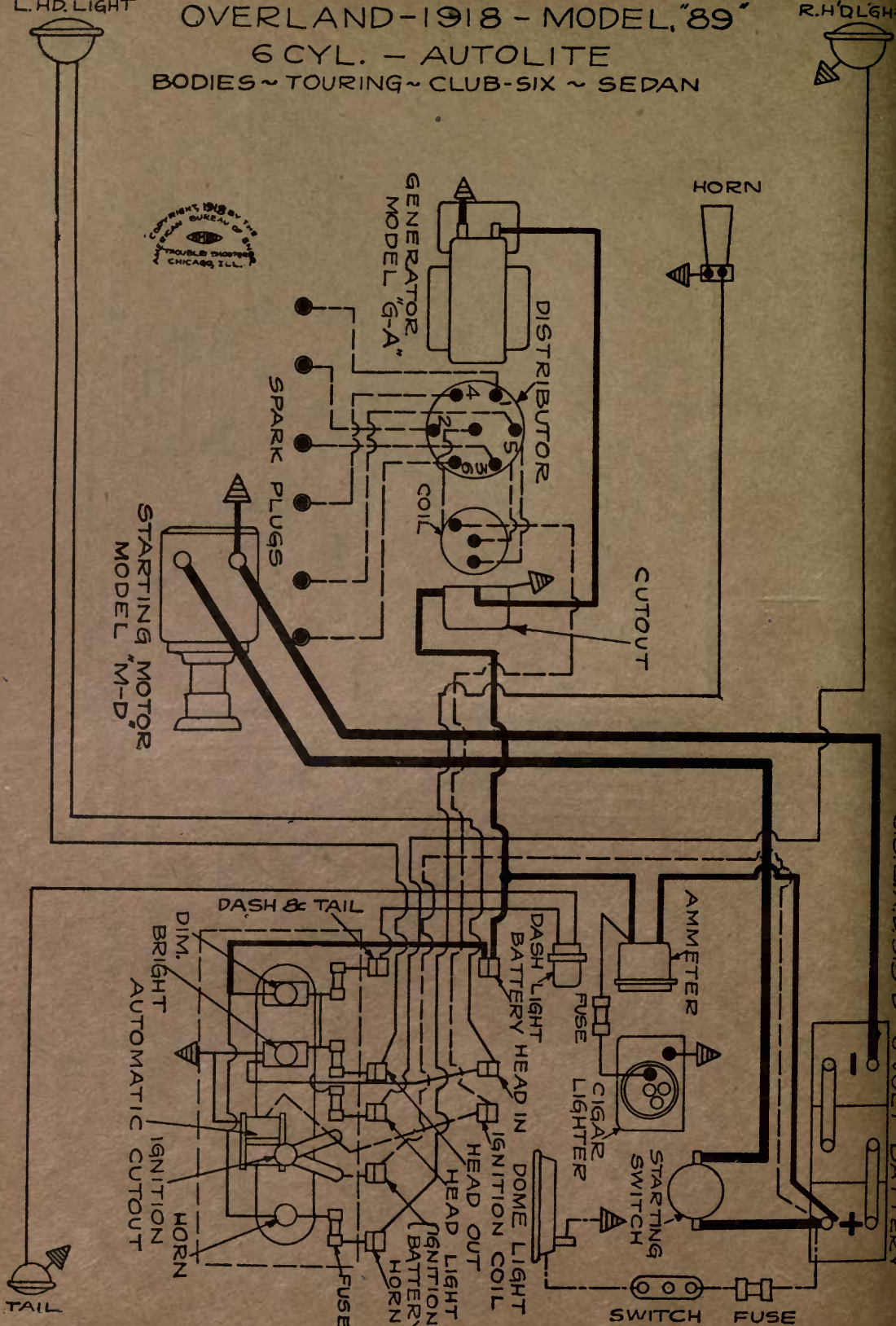
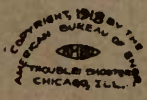
COPYRIGHT, 1918 BY THE
FORD MOTOR CO.
TROUBLE SHOOTER
CHICAGO, ILL.

L.H.D. LIGHT

R.H.D. LIGHT

OVERLAND-1918 - MODEL "89"

6 CYL. - AUTOLITE
BODIES ~ TOURING ~ CLUB-SIX ~ SEDAN



L.H.D. LIGHT

OVERLAND-1918-MODEL "90" 4 CYL.-AUTOLITE.

R.H.D. LIGHT

~ BODIES ~
TOURING
ROADSTER
SEDAN
EXPRESS
COUNTRY CLUB
PANEL DELIVERY

MODEL G-H
GENERATOR

COIL

SPARK PLUGS

DISTRIBUTOR

HORN

COPYRIGHT, 1918 BY THE
AMERICAN BUREAU OF BATTERY
TROUBLE SHOOTERS
CHICAGO, ILL.

STARTING MOTOR
MODEL M-F

CUT-OUT

BAT+
DYN

BAT-
DYN

DOME LIGHT
ON SEDAN

AMMETER

DASH LIGHT

BATTERY

STARTING SWITCH

SWITCH

HEAD OUT

HEAD IN

HEAD LIGHT

IGNITION COIL

IGNITION BAT.

HORN

HEAD DIM.

HEAD BR'T.

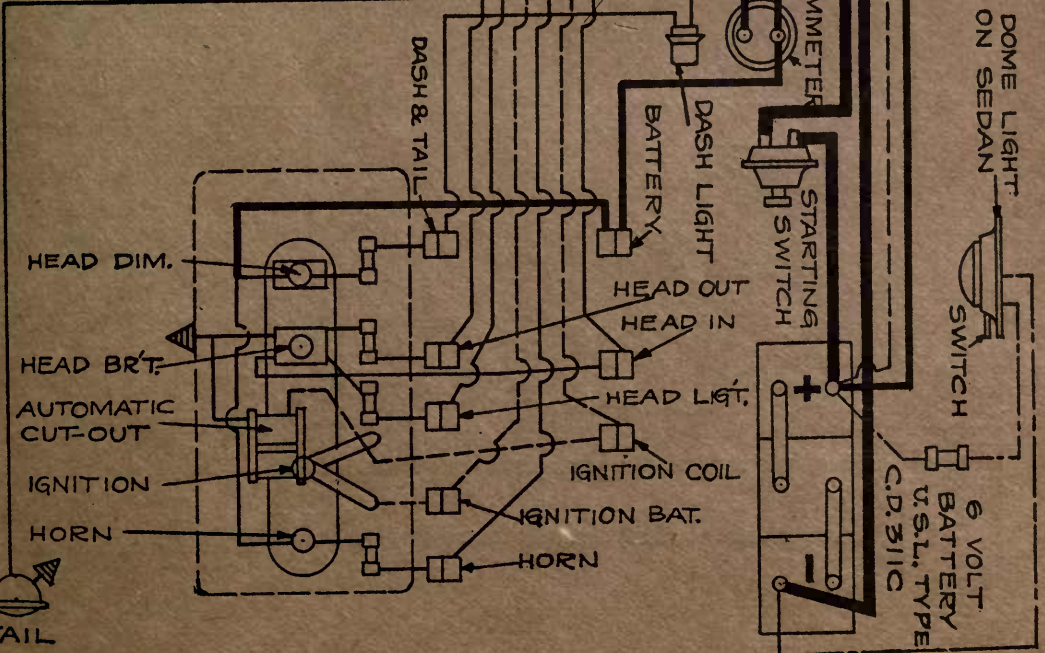
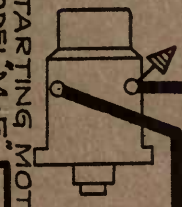
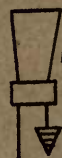
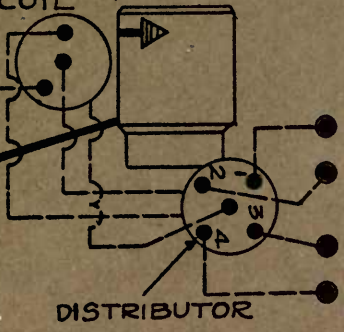
AUTOMATIC
CUT-OUT

IGNITION

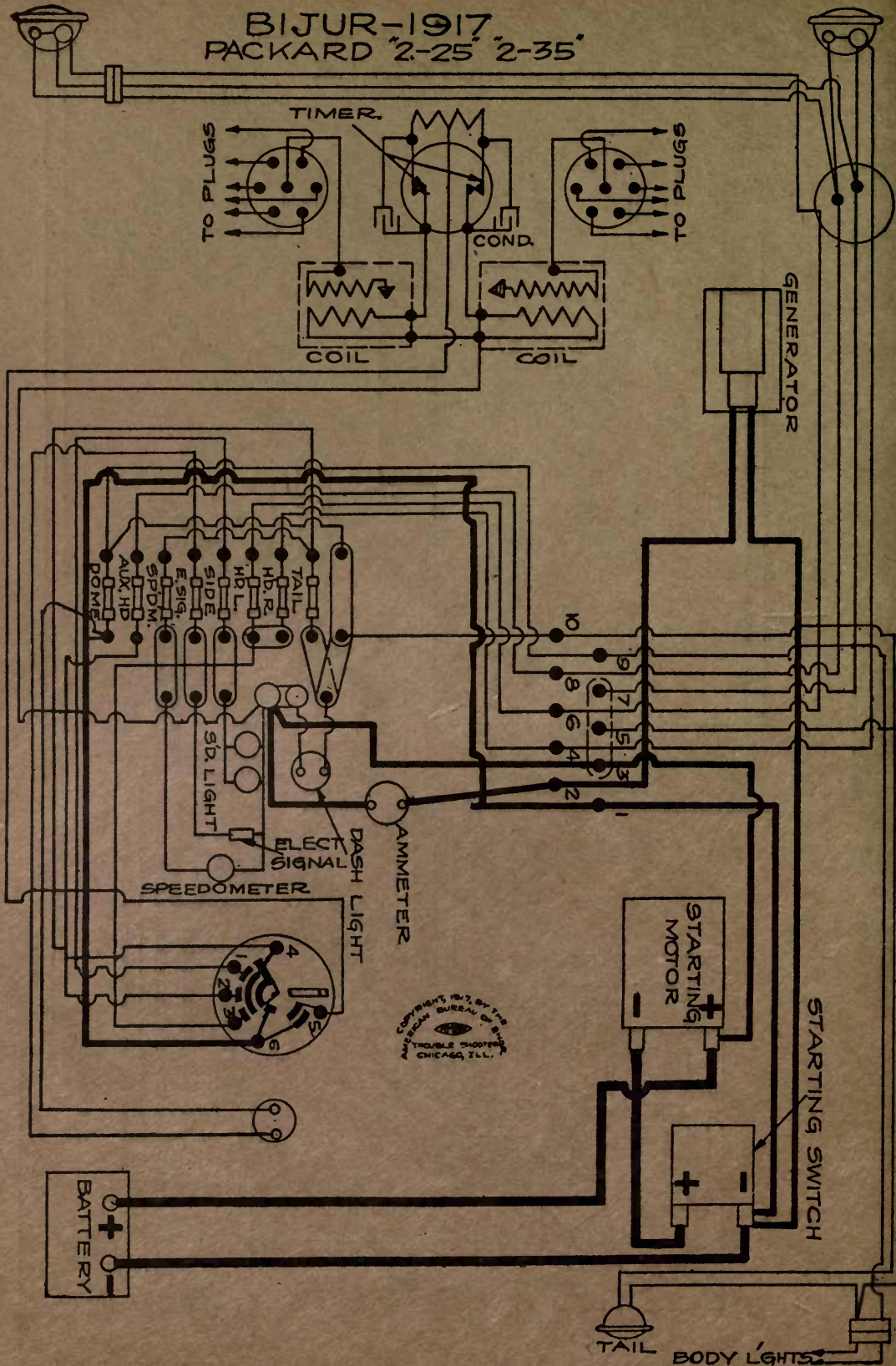
HORN

6 VOLT
BATTERY
U.S.I. TYPE
C.D. 311C

TAIL



BIJUR-1917 PACKARD "2-25" "2-35"



FT. HD. AUX. HD

PACKARD-12 CYL. 1918-1919 MODEL 325 & 335

AUX. HD. RGT HD

BIJUR

DELCO DISTRIBUTOR

SPARK PLUGS

GENERATOR
TYPE K-646M-718

POSITIVE GENERATOR TERMINAL
GROUNDED IN DISCONNECT RECEPTACLE

HORN BUTTON

COIL

COIL

REG.

SIDE LAMP

STARTING MOTOR
TYPE E-160M-800

HORN

AMMETER

INSTRUMENT BOARD LIGHT

LIGHTING & IGNITION SW.

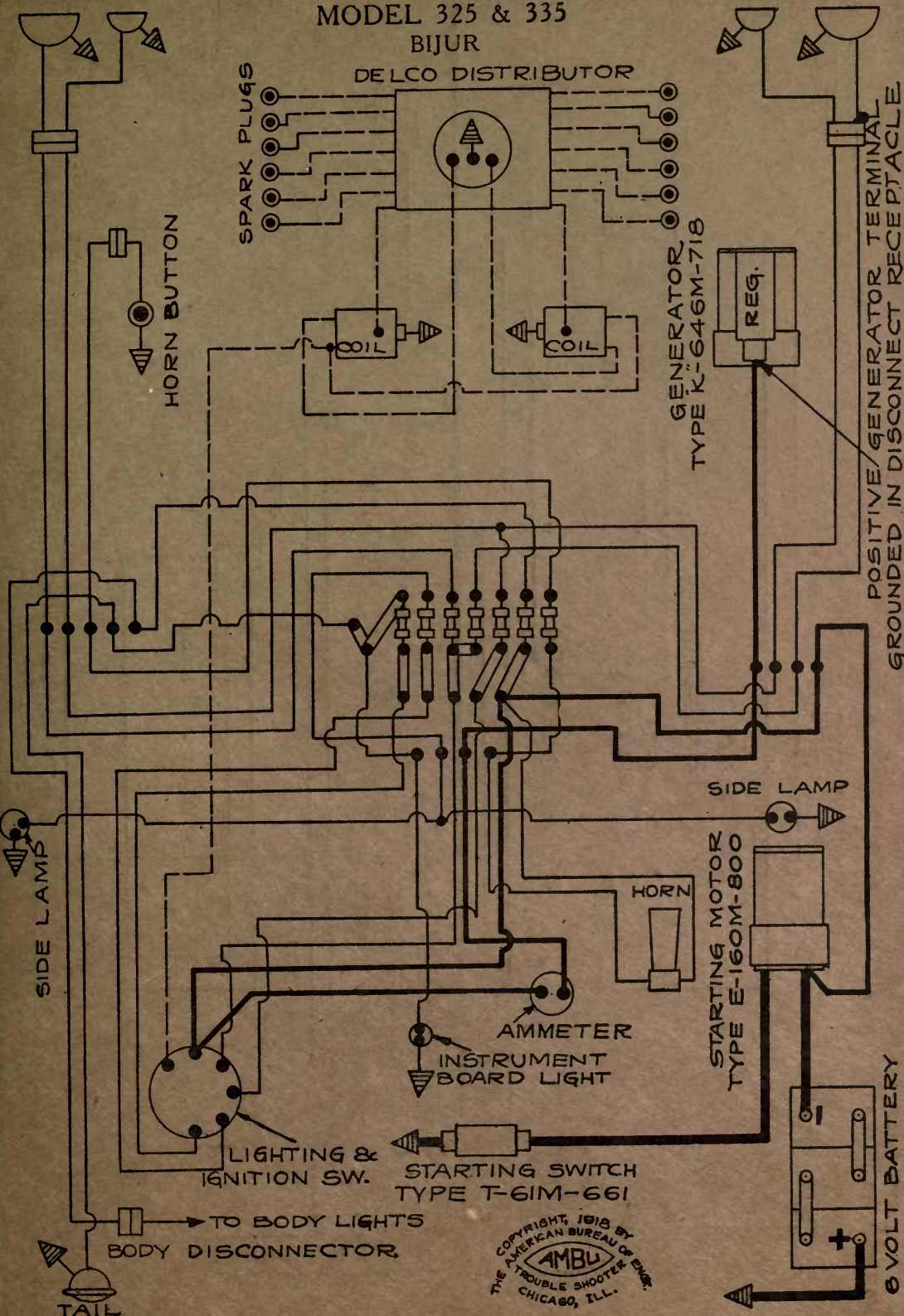
STARTING SWITCH
TYPE T-61M-661

TO BODY LIGHTS

BODY DISCONNECTOR

6 VOLT BATTERY

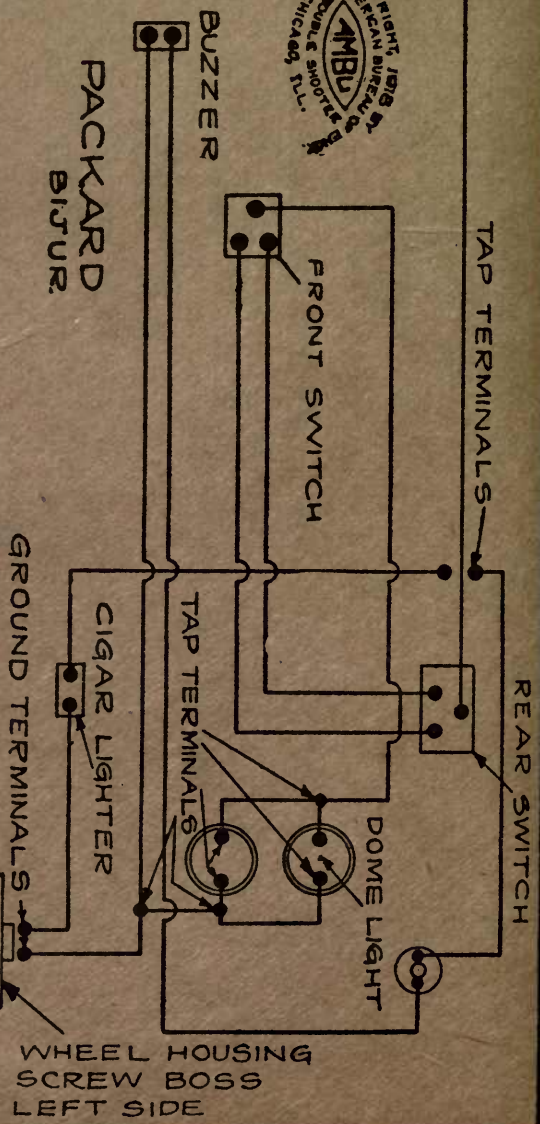
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.



7 PASSENGER LAND-AULET MODELS 173 & 180

PACKARD BUJUR

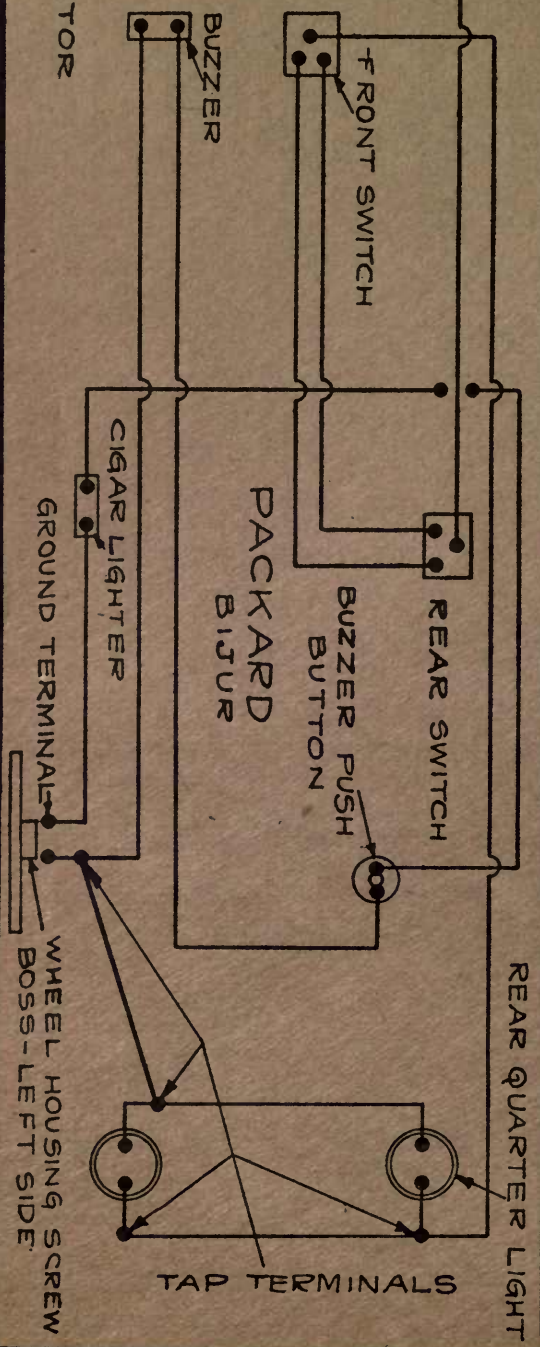
DISCONNECTOR



7 PASS. IMP. LIMOUSINE MODEL 175-178

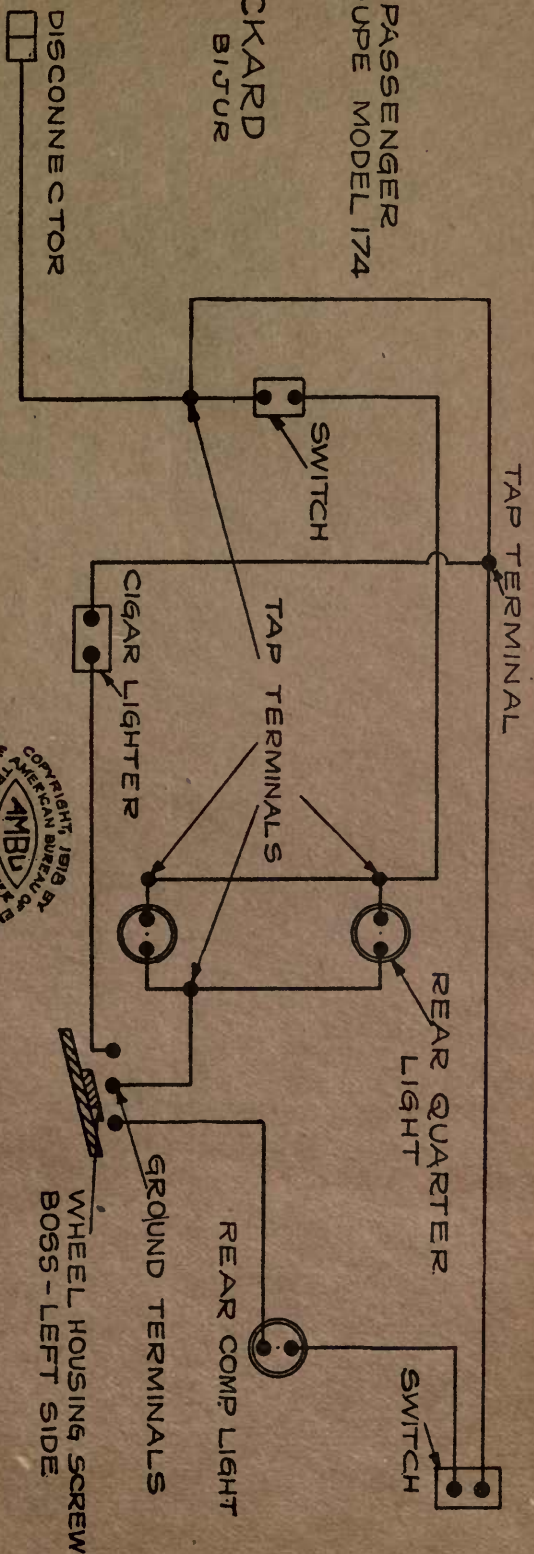
7 PASS. LIMOUSINE MODELS 172-179

DISCONNECTOR

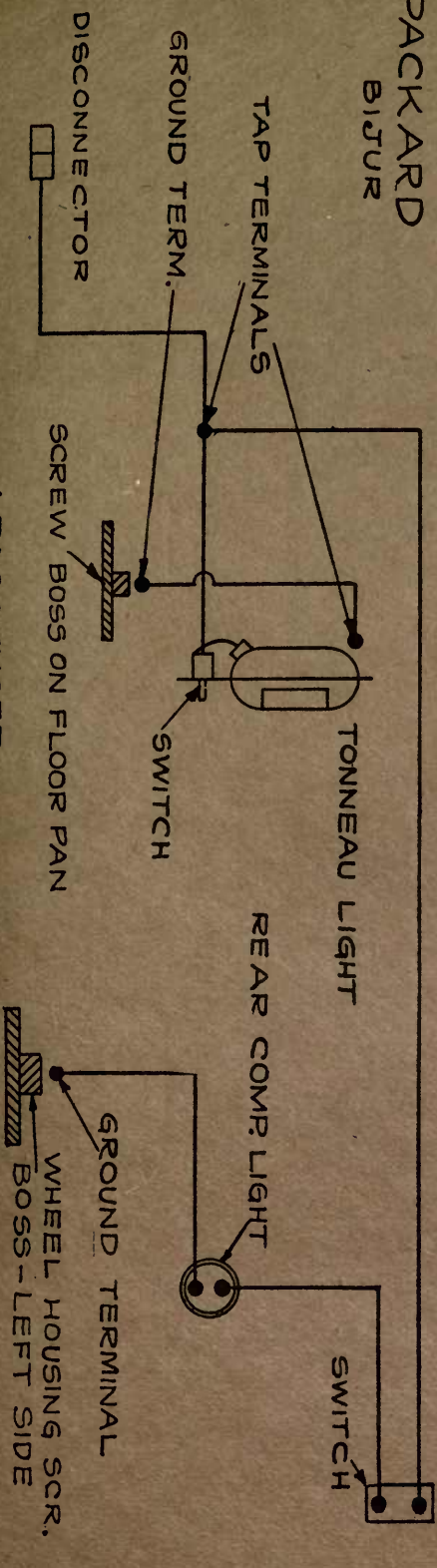


4 PASSENGER
COUPE MODEL 174

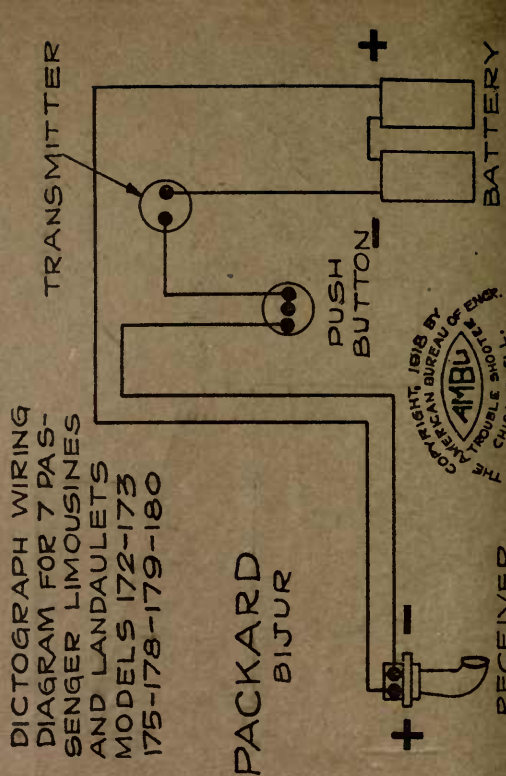
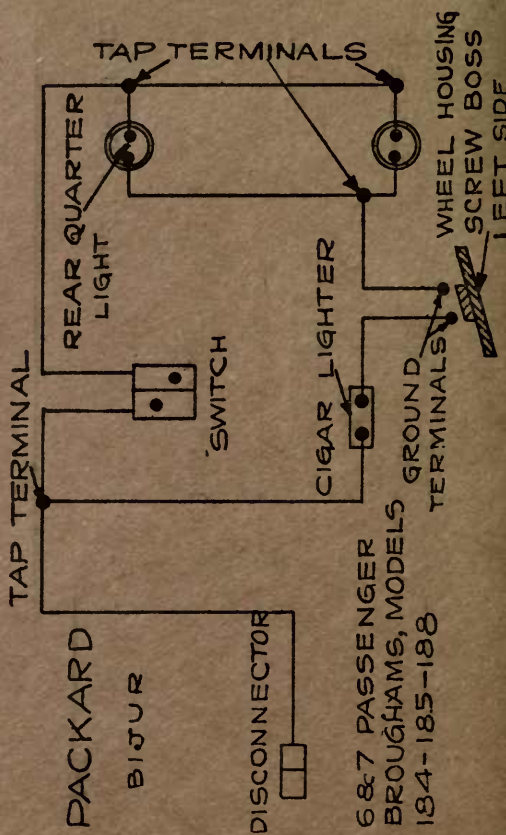
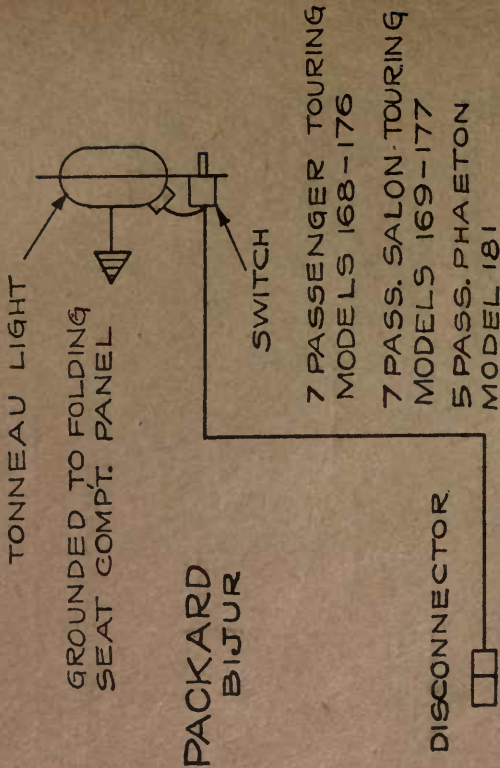
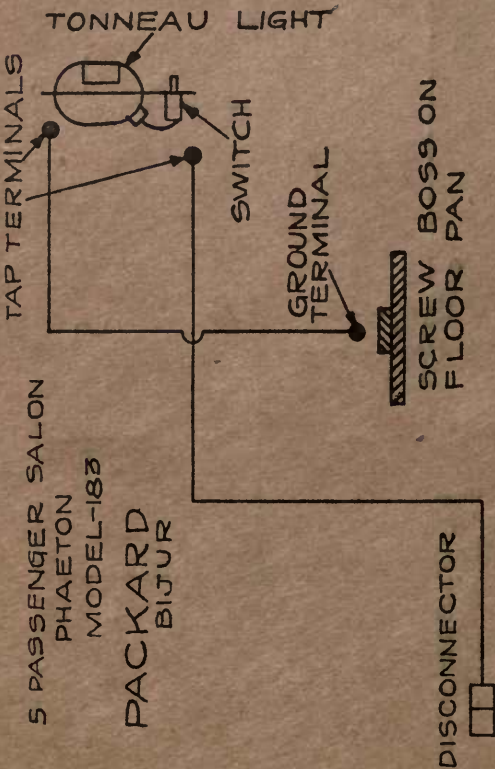
PACKARD
BIJOUR



PACKARD
BIJOUR



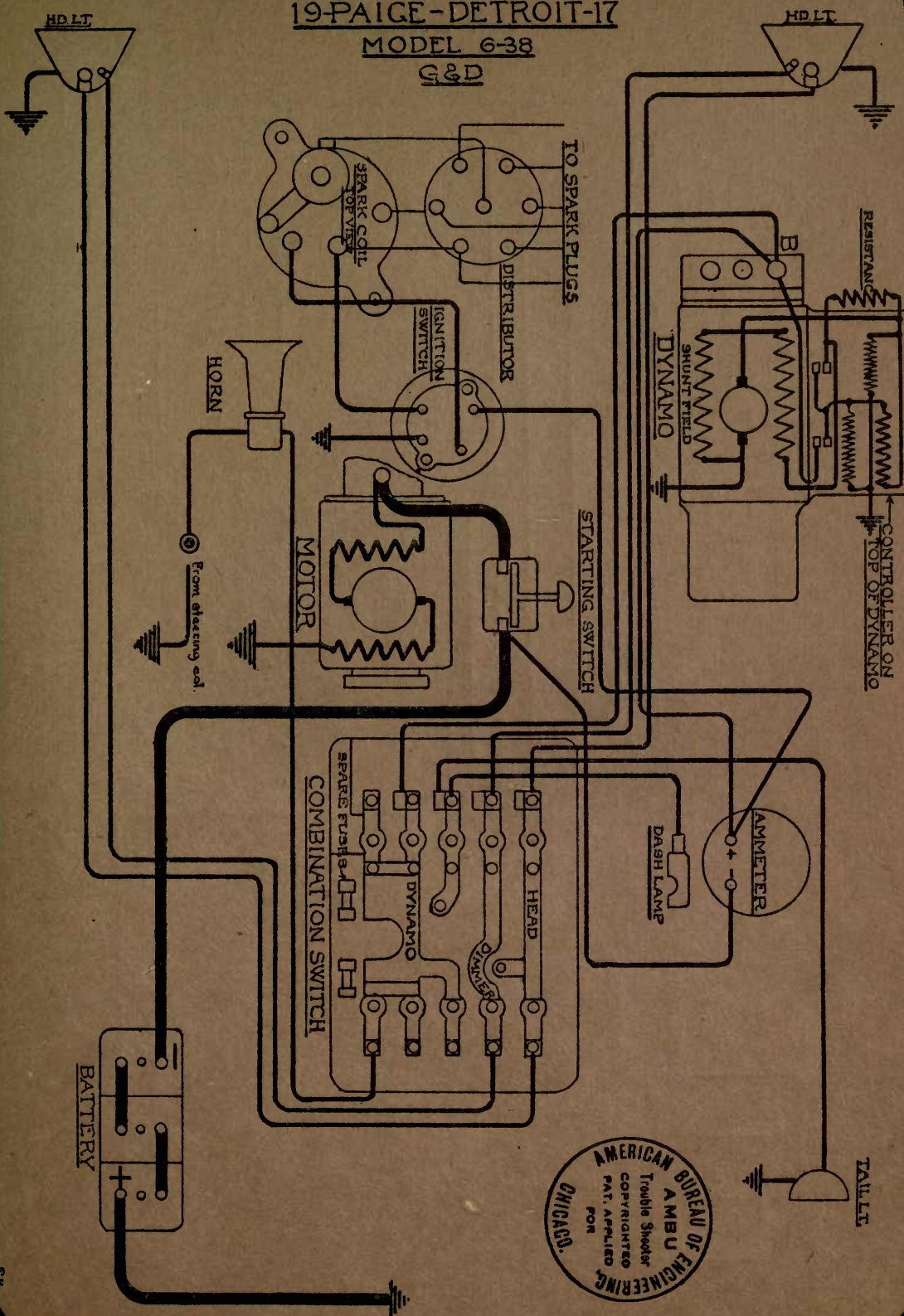
4 PASSENGER,
RUNABOUT MODEL 171



19-PAIGE-DETROIT-17

MODEL 6-38

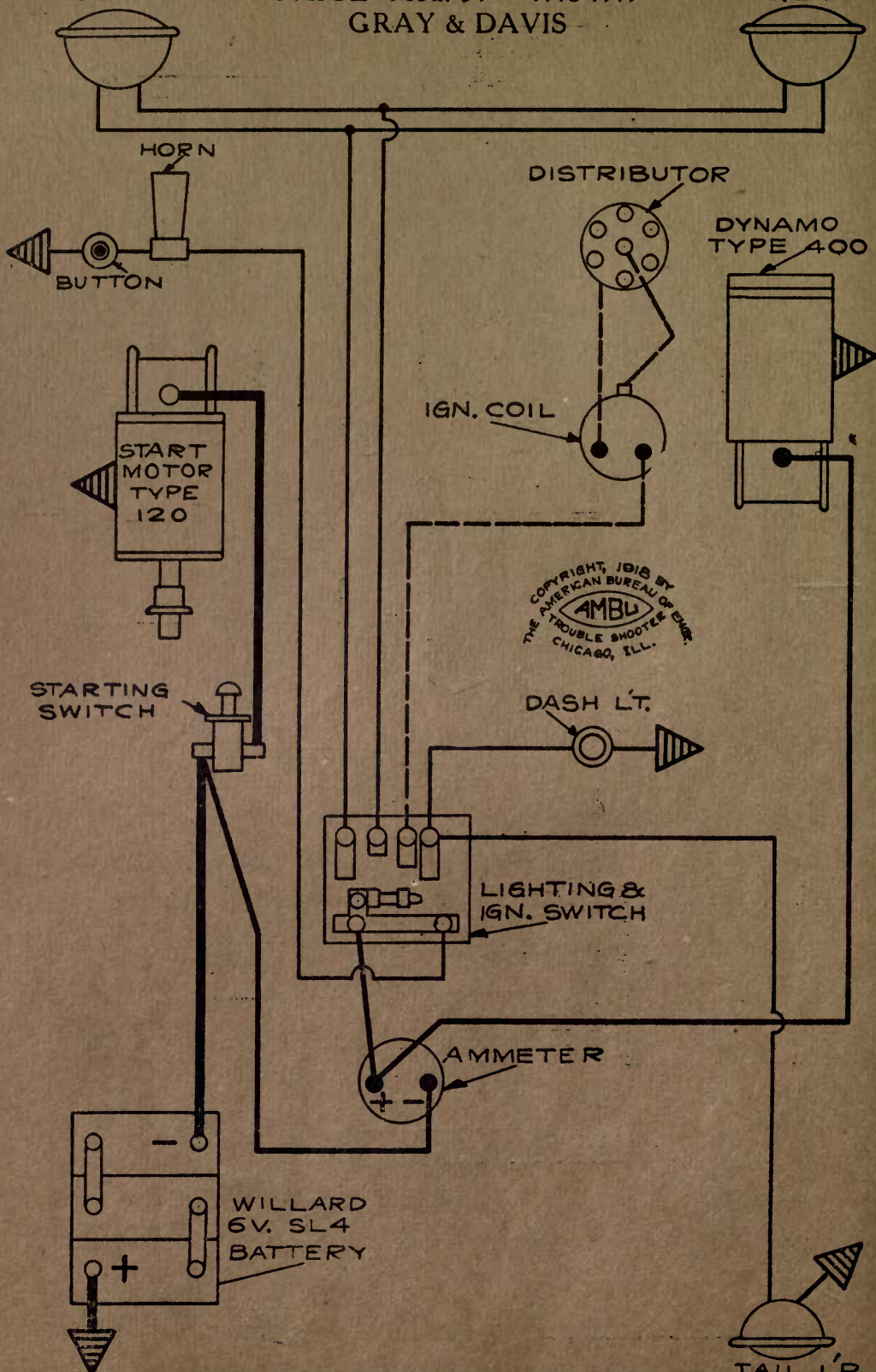
G&D



HD. LAMP

PAIGE "Mod. 39"—1918-1919
GRAY & DAVIS

HQ. LAMP



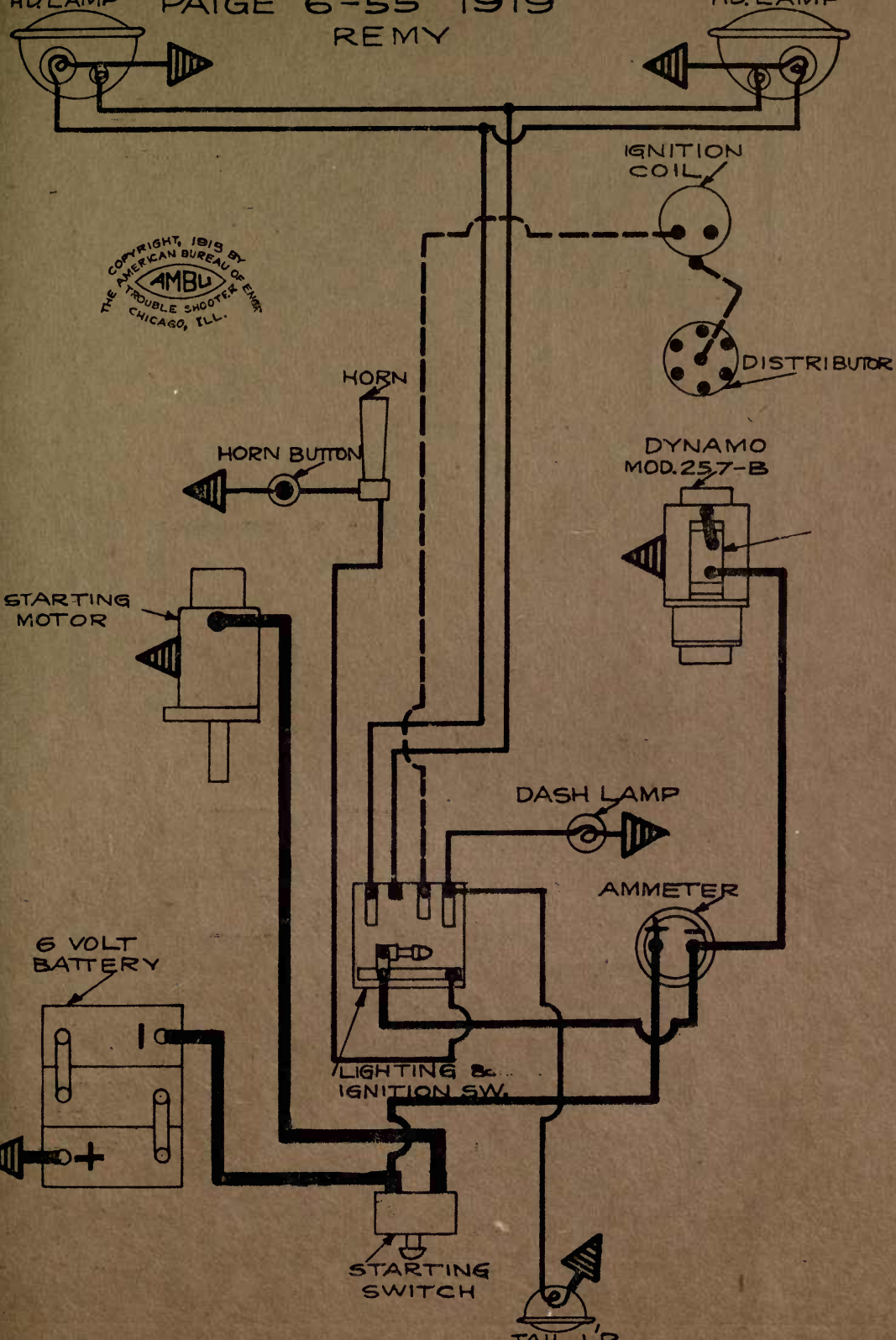
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
CHICAGO, ILL.
AMBL
THE TROUBLE SHOOTER

WILLARD
6V. SL4
BATTERY

TAIL L.P.

HD LAMP PAIGE 6-55 '1919' REMY HD LAMP

COPYRIGHT, 1915 BY THE AMERICAN BUREAU OF ENGINEERING TROUBLE SHOOTERS CHICAGO, ILL.



HORN

HORN BUTTON

STARTING MOTOR

IGNITION COIL

DISTRIBUTOR

DYNAMO MOD. 257-B

DASH LAMP

AMMETER

LIGHTING & IGNITION SW.

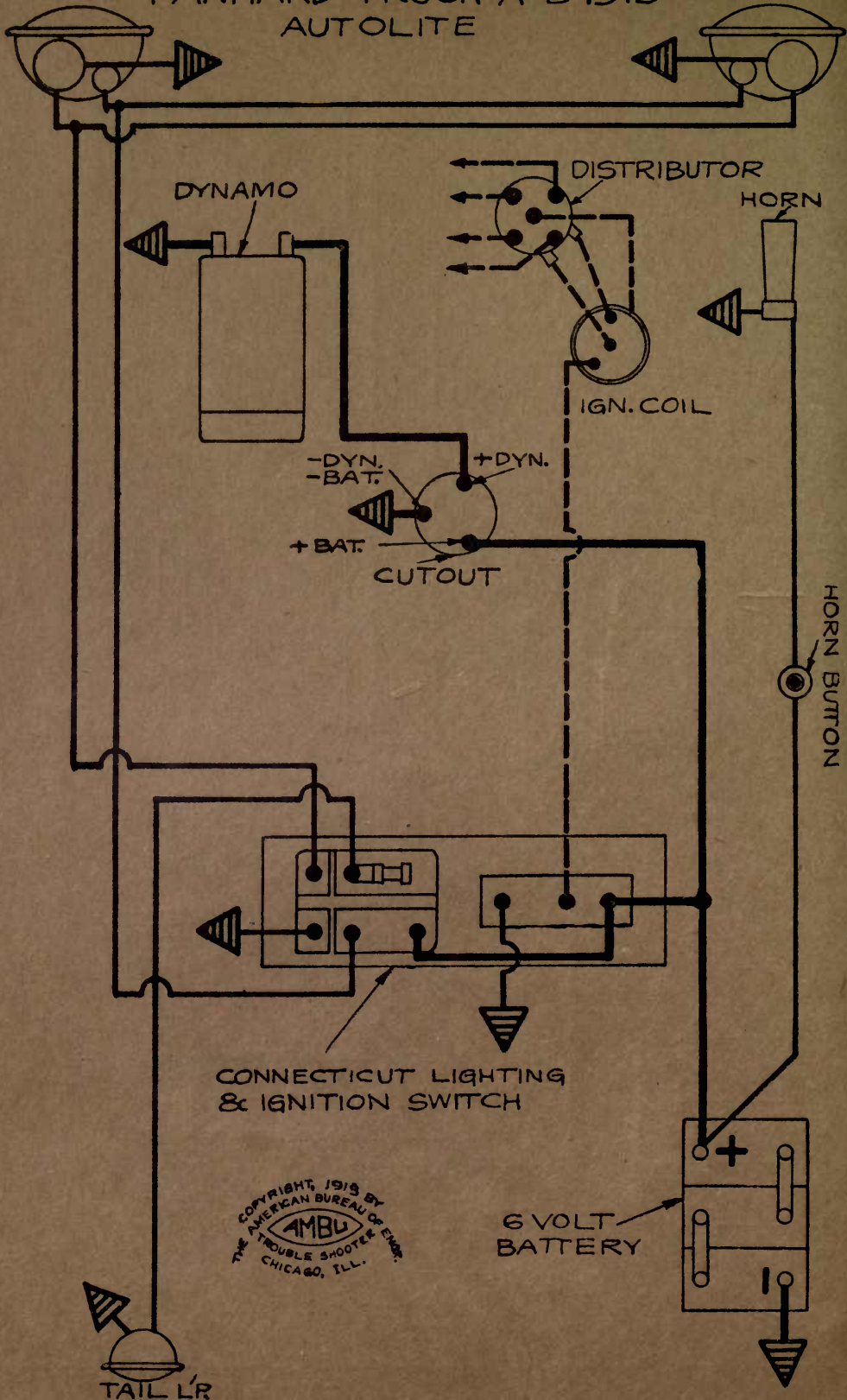
STARTING SWITCH

TAIL LP

6 VOLT BATTERY

HD. LAMP PANHARD TRUCK "A-B" 1919
AUTOLITE

HD. LAMP



CONNECTICUT LIGHTING & IGNITION SWITCH

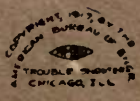
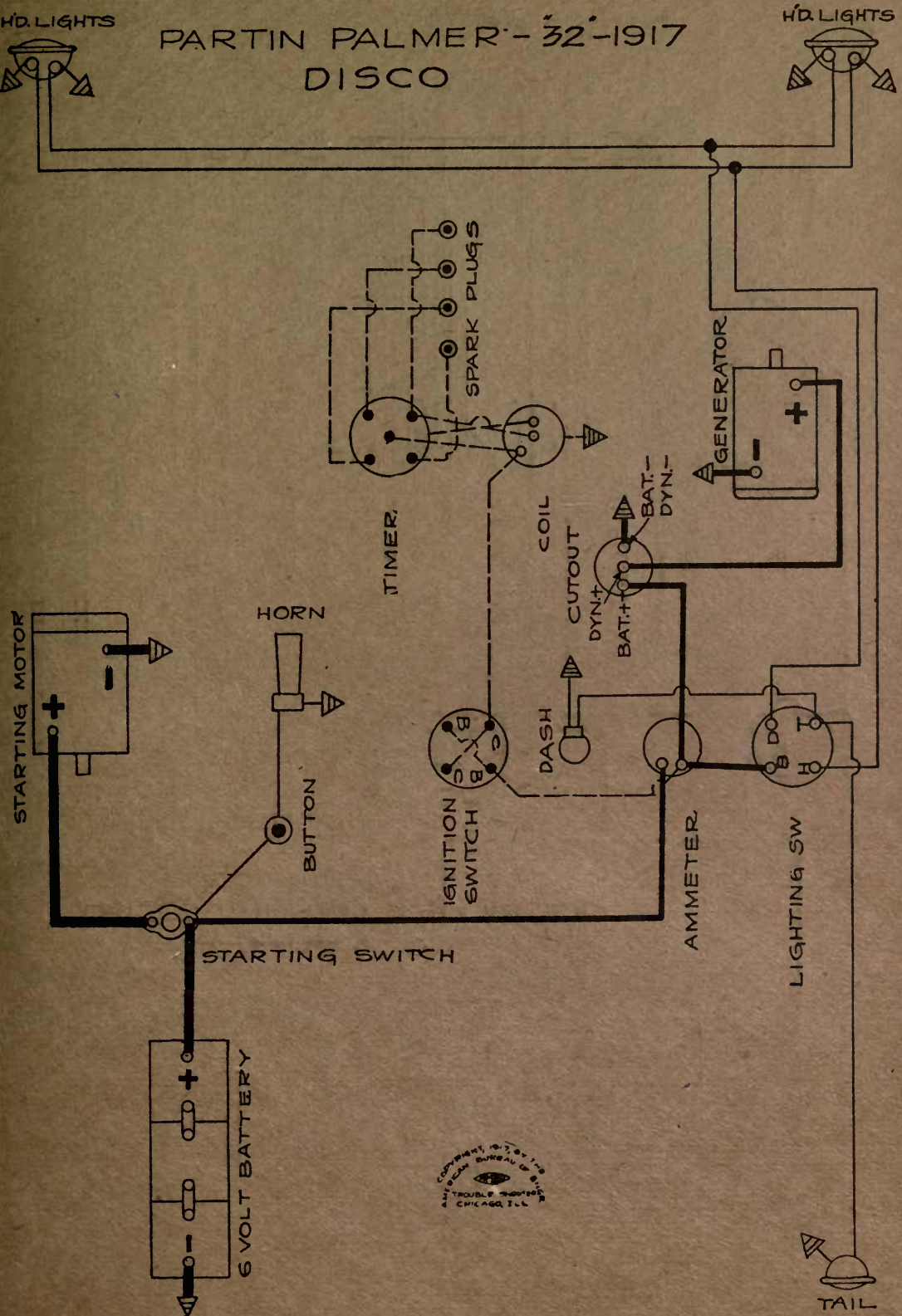
COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENG'G.
THE TROUBLE SHOOTER
CHICAGO, ILL.

6 VOLT BATTERY

TAIL LR

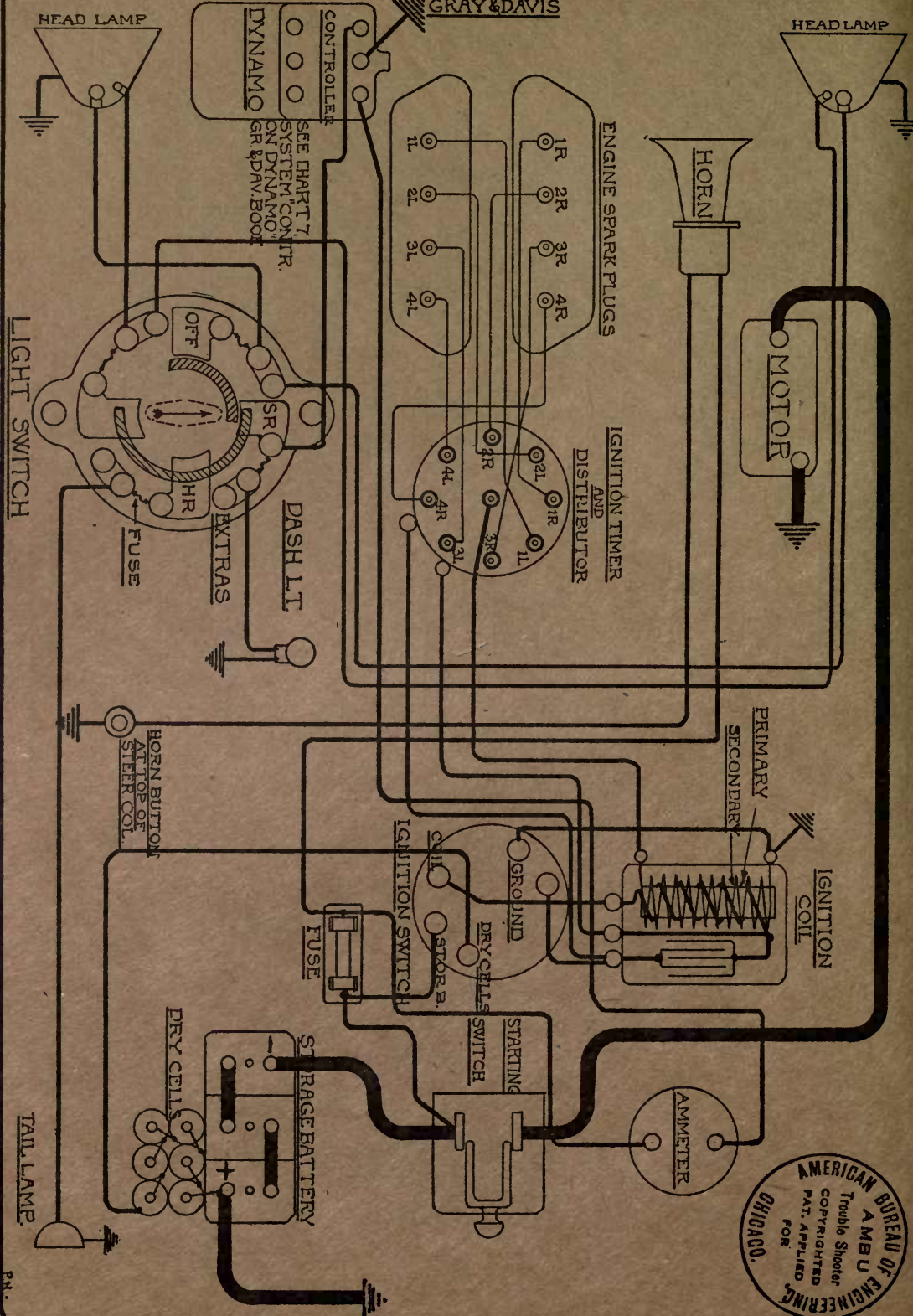
HORN BUTTON

PARTIN PALMER - '32 - 1917 DISCO



PEERLESS "56" 8 CYL-1917

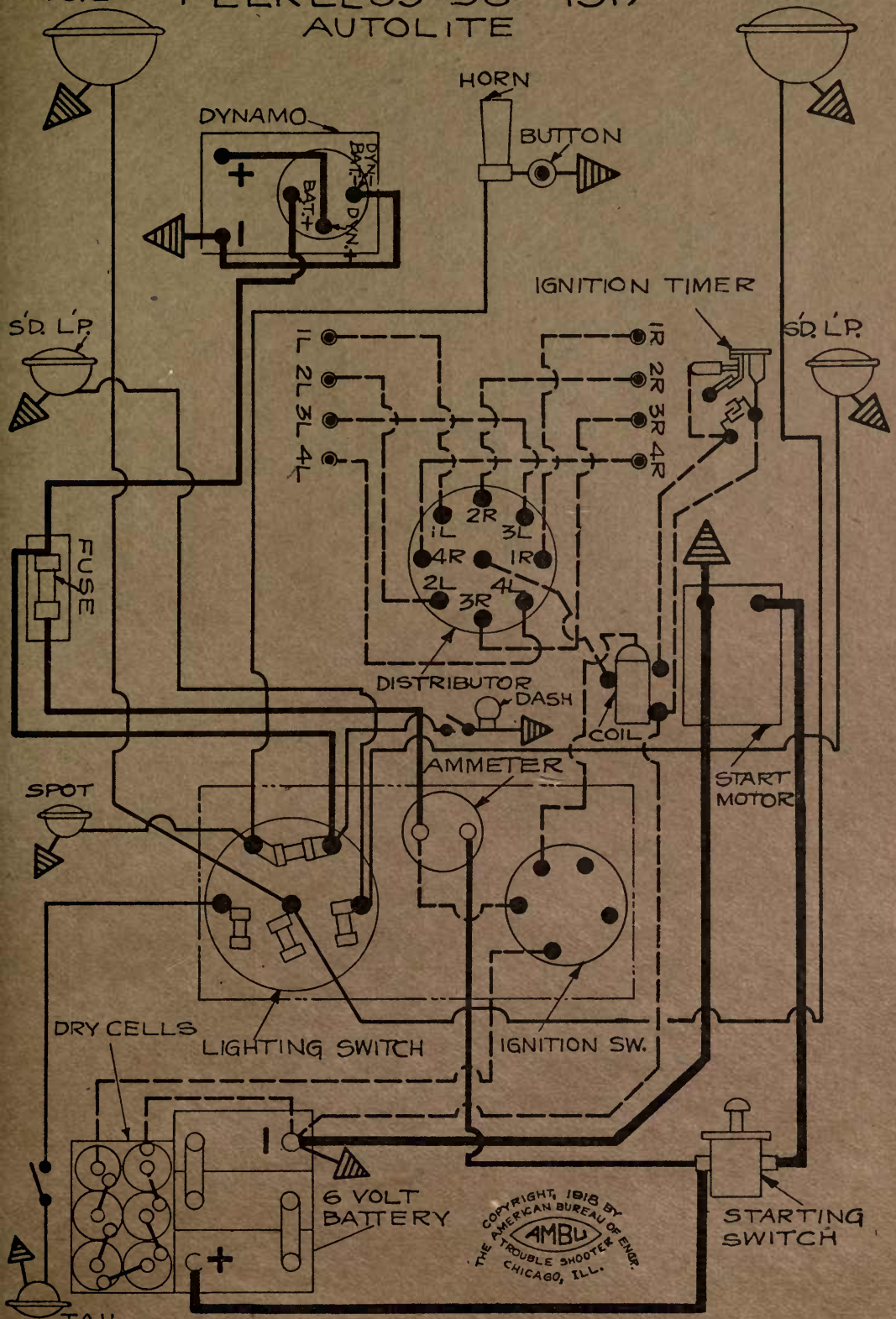
GRAY & DAVIS



AMERICAN BUREAU OF ENGINEERING
A M B U
Trouble Shooter
COPYRIGHTED
PAT. APPLIED
FOR
CHICAGO.

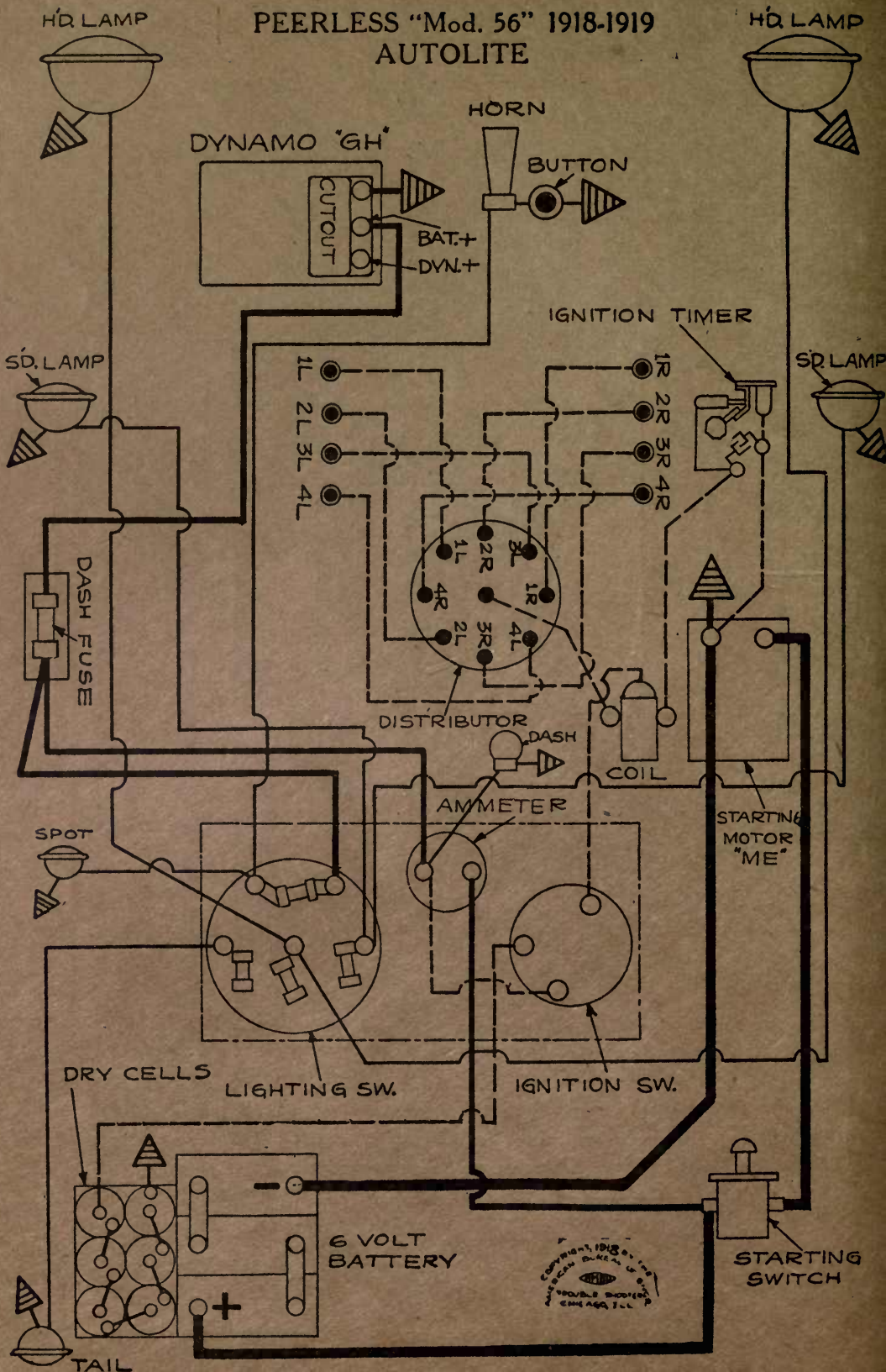
HD. LAMP PEERLESS-56" - 1917 AUTOLITE

HD LAMP



COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENG.
AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.

PEERLESS "Mod. 56" 1918-1919 AUTOLITE



COPYRIGHT 1918 BY THE
 PEERLESS BUCKEYE CO. OHIO
 "DOUBLE SHOOTING"
 GAGE AND T.L.L.

HD. LAMP

PHIANNNA - '1918'

WD. LEONARD

HD LAMP

DYNAMO

CONTROLLER

COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
CHICAGO, ILL.

A D B C

STARTING
MOTOR

C D A

B H D T

BODY L.T.

DASH
LAMP

B T D H

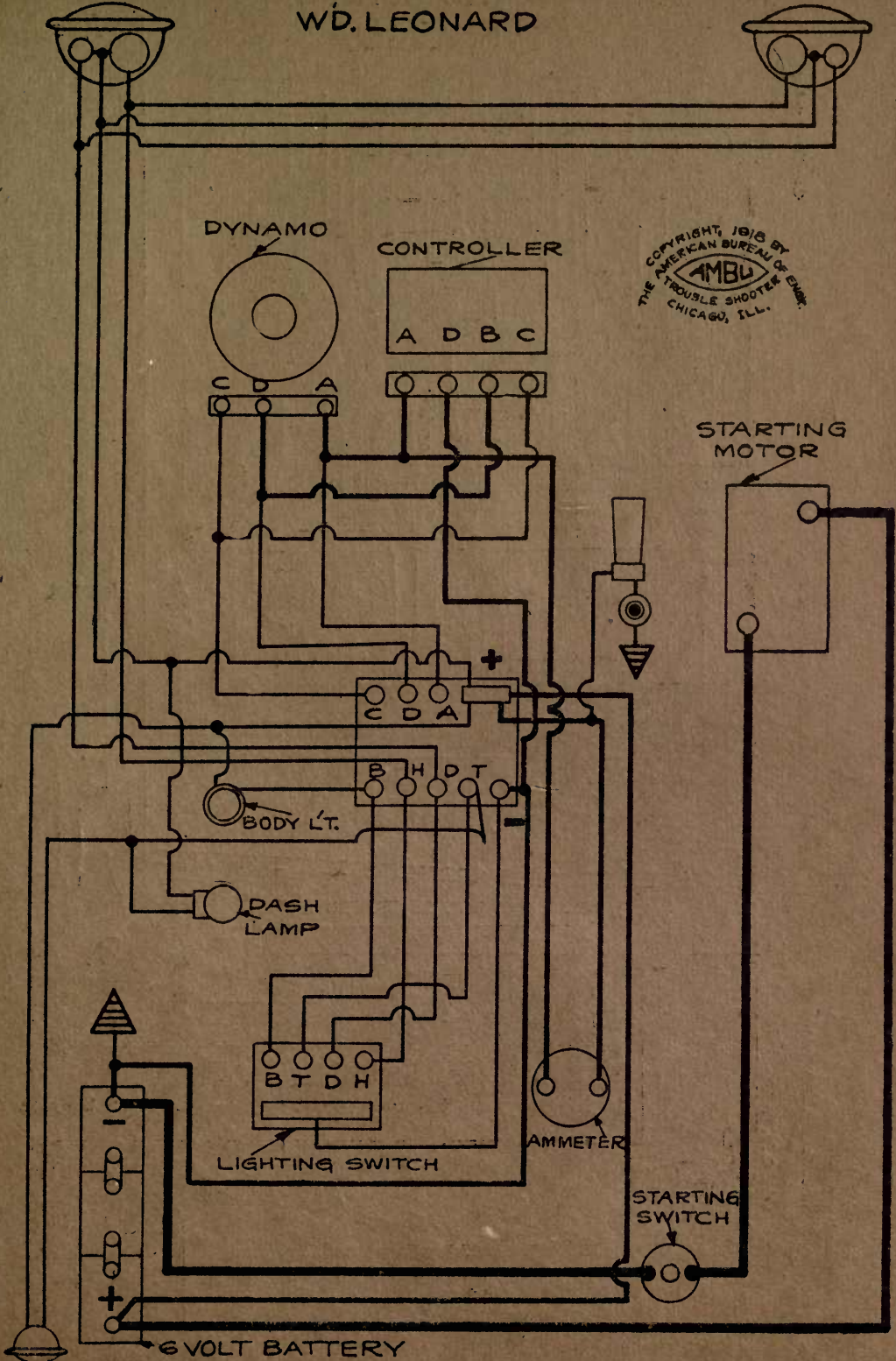
LIGHTING SWITCH

AMMETER

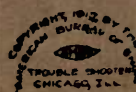
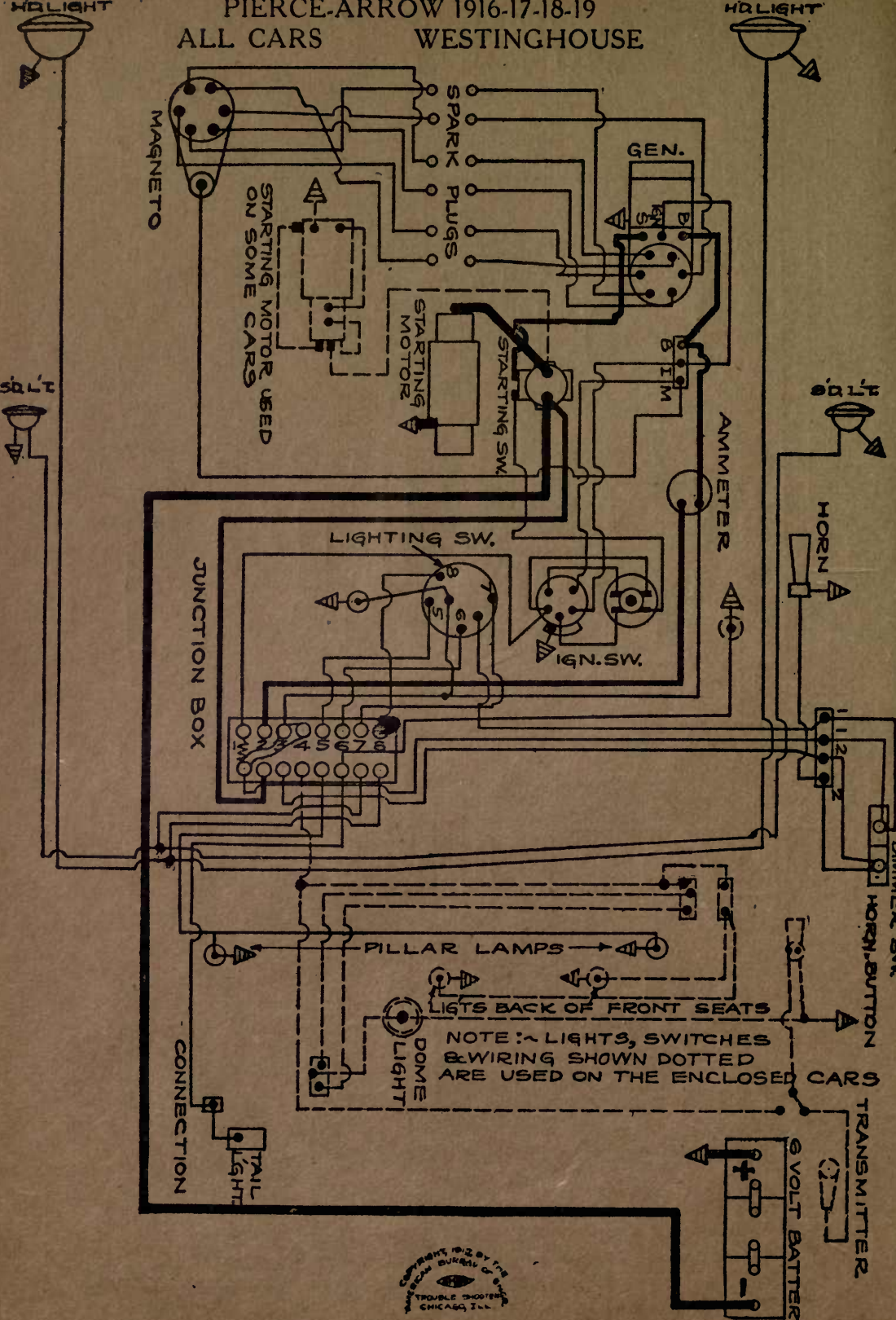
STARTING
SWITCH

6 VOLT BATTERY

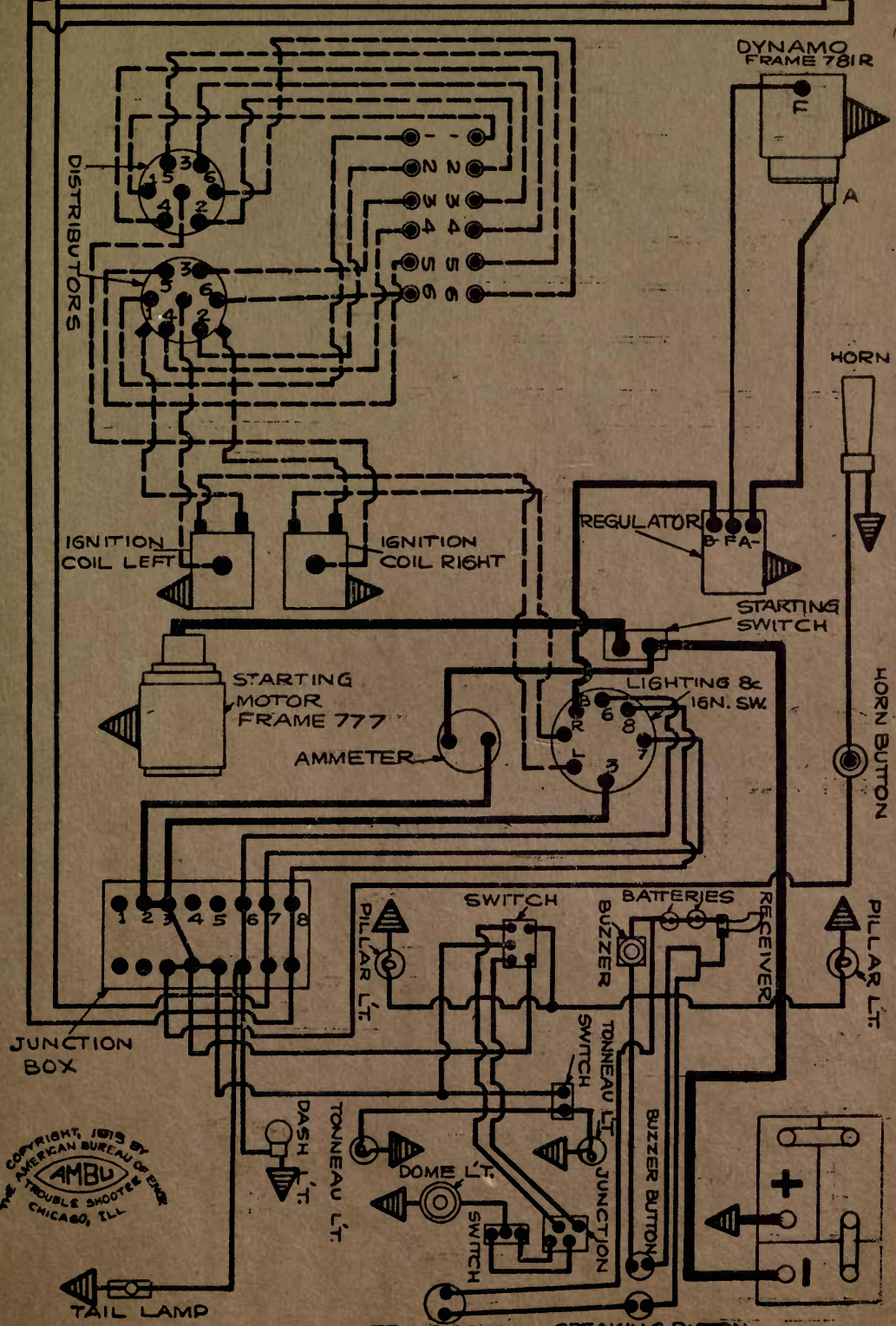
TAIL



PIERCE-ARROW 1916-17-18-19
ALL CARS WESTINGHOUSE



HD LAMP **PIERCE-ARROW 'ALL MODELS' - 1919** HD LAMP
 WESTINGHOUSE

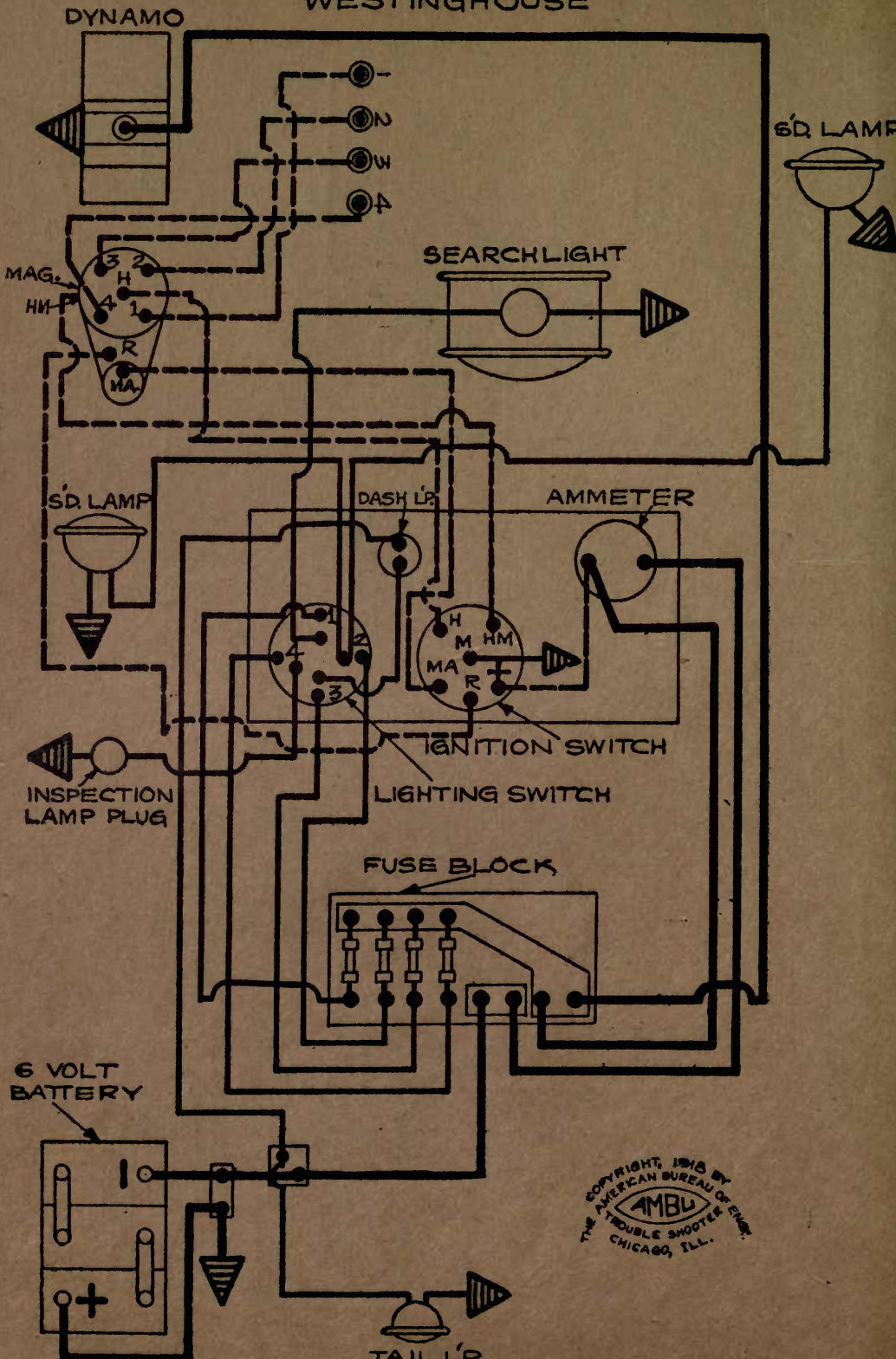


COPYRIGHT, 1919 BY
AMBU
 THE AMERICAN BUREAU OF EXPERIMENTAL
 TROUBLE SHOOTERS
 CHICAGO, ILL.

TRANSMITTER SPEAKING BUTTON

PIERCE-ARROW 2-TON TRUCK - '1919'

WESTINGHOUSE

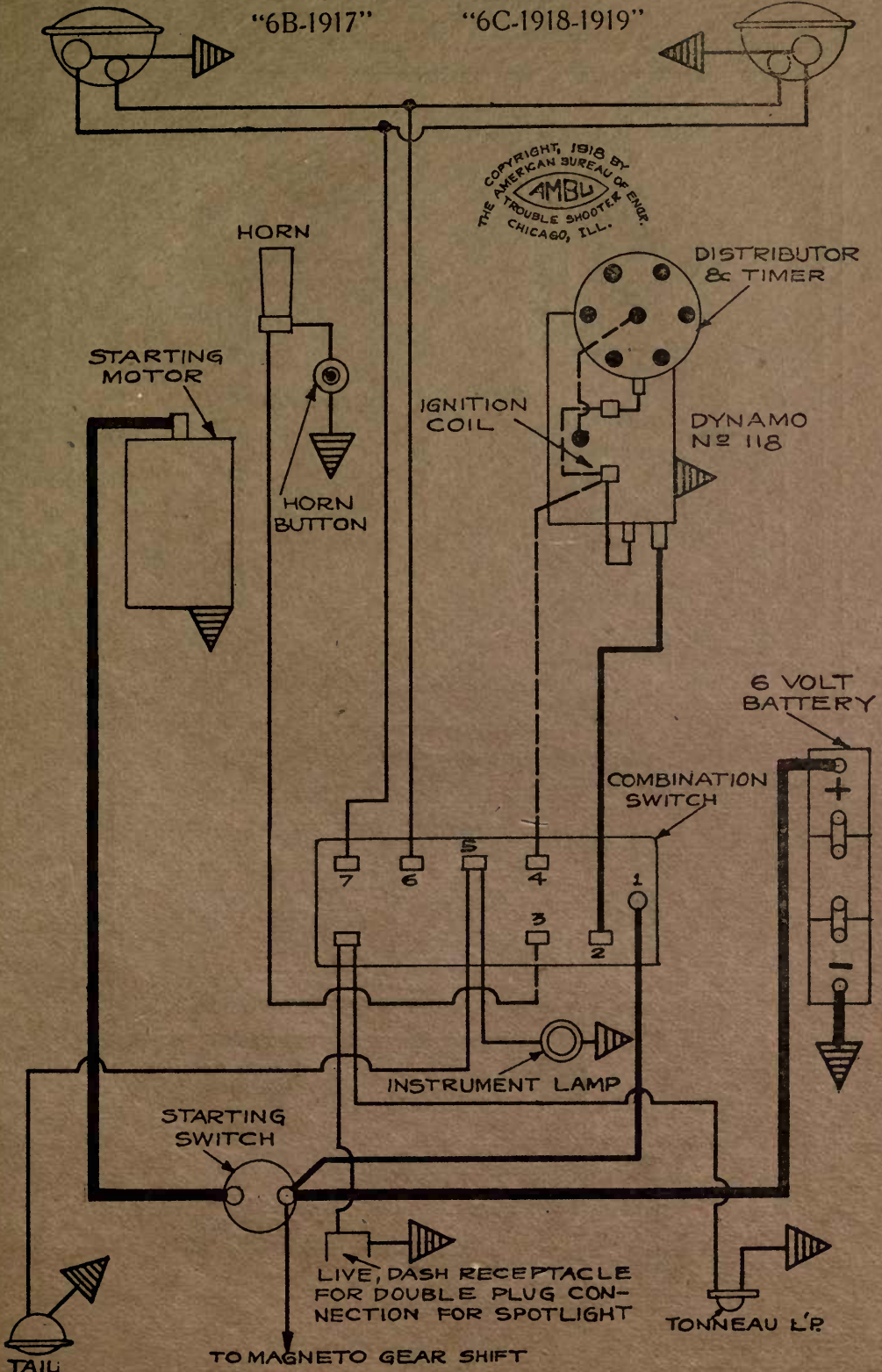


COPYRIGHT, 1918 BY
 AMERICAN BUREAU OF ENGINEERING
AMBU
 THE TROUBLE SHOOTER
 CHICAGO, ILL.

PREMIER-DELCO

"6B-1917"

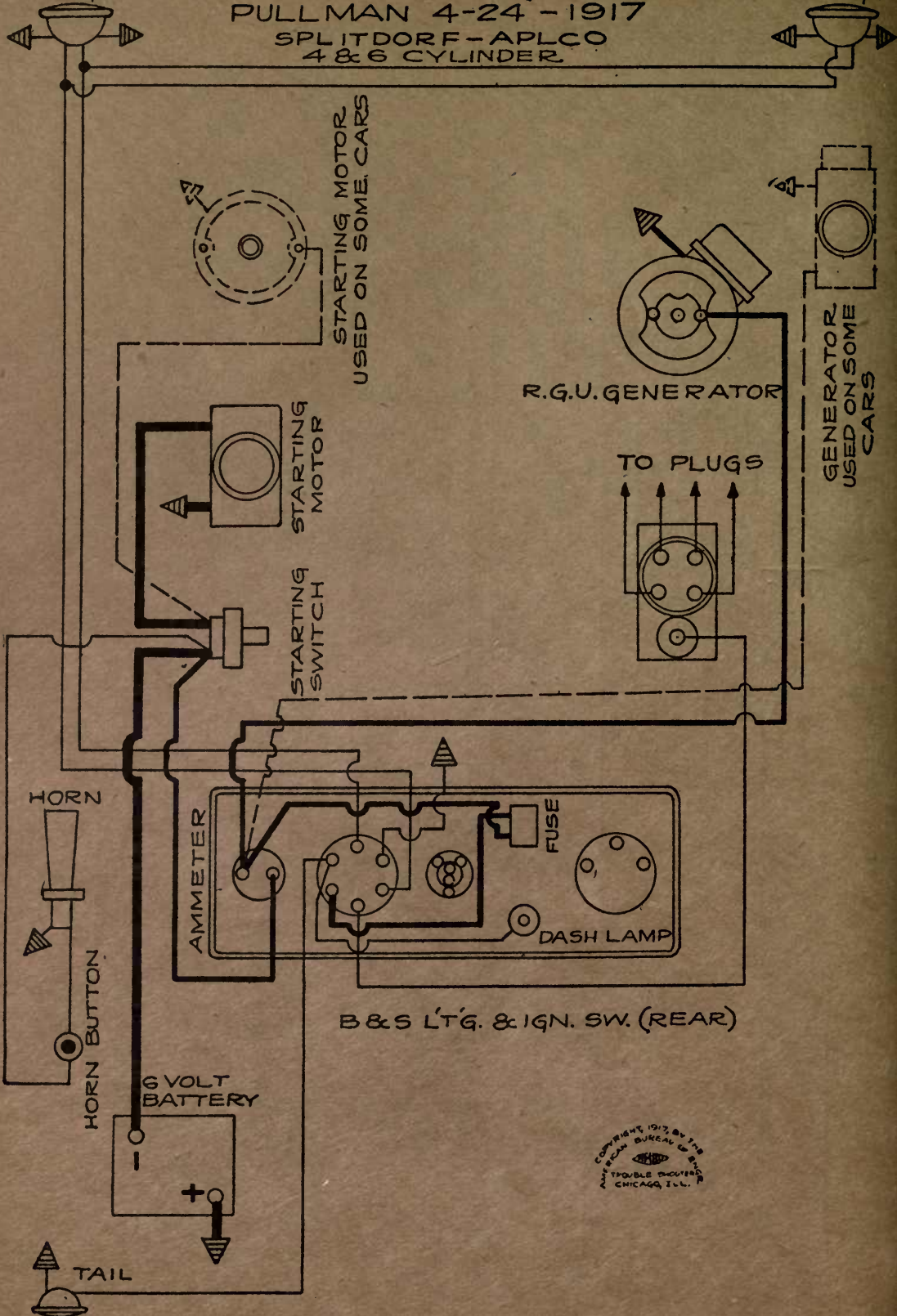
"6C-1918-1919"



HD. LIGHT

HD. LIGHT

PULLMAN 4-24-1917
SPLITDORF-APLCO
4 & 6 CYLINDER



STARTING MOTOR
USED ON SOME CARS

R.G.U. GENERATOR

GENERATOR
USED ON SOME
CARS

TO PLUGS

STARTING
MOTOR

STARTING
SWITCH

AMMETER

FUSE

DASH LAMP

B&S LT'G. & IGN. SW. (REAR)

6 VOLT
BATTERY

HORN
BUTTON

HORN

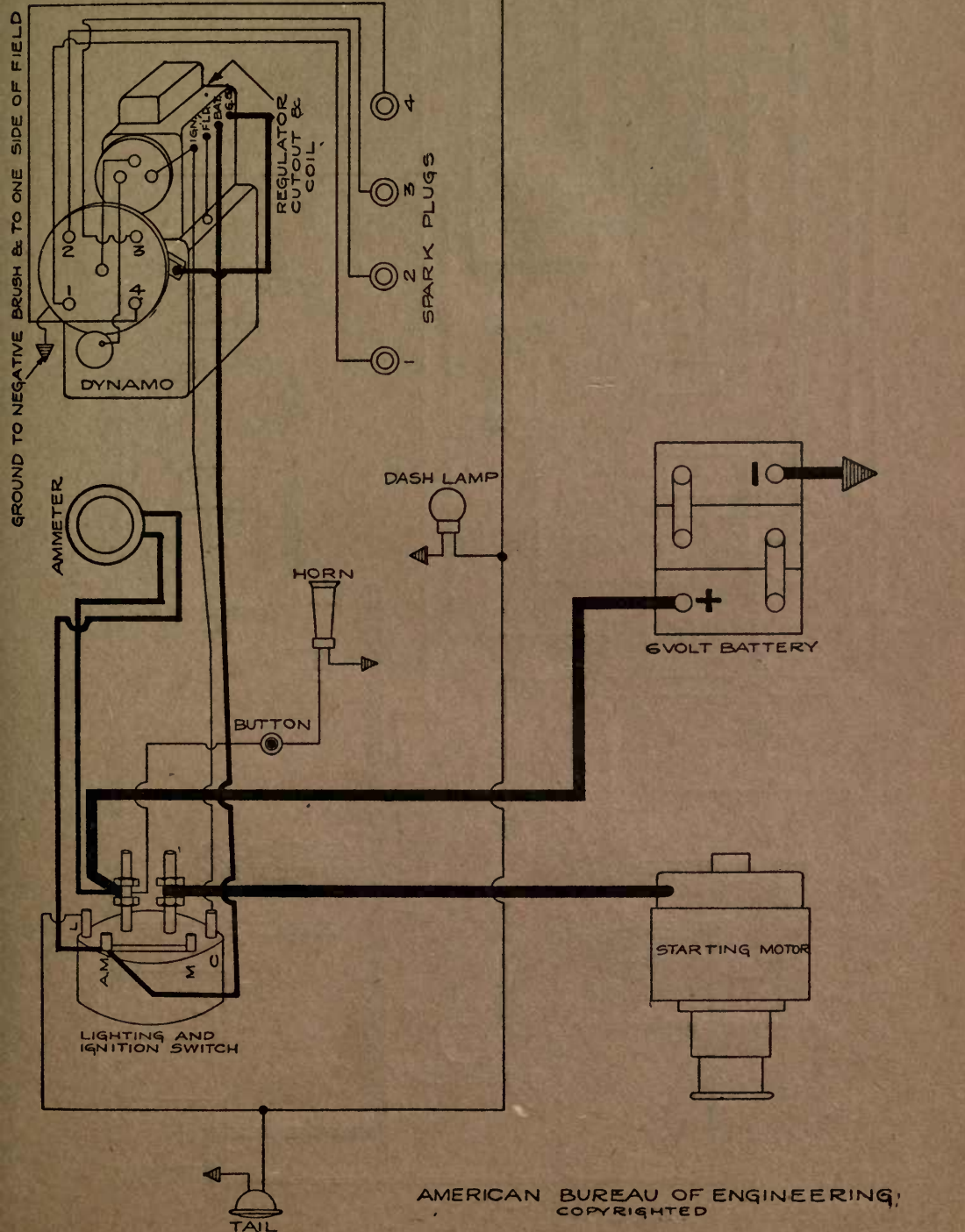
TAIL

COPYRIGHT 1917, BY THE
ELECTRIC BUREAU OF THE
A. TROUBLE SHOOTING
CHICAGO, ILL.

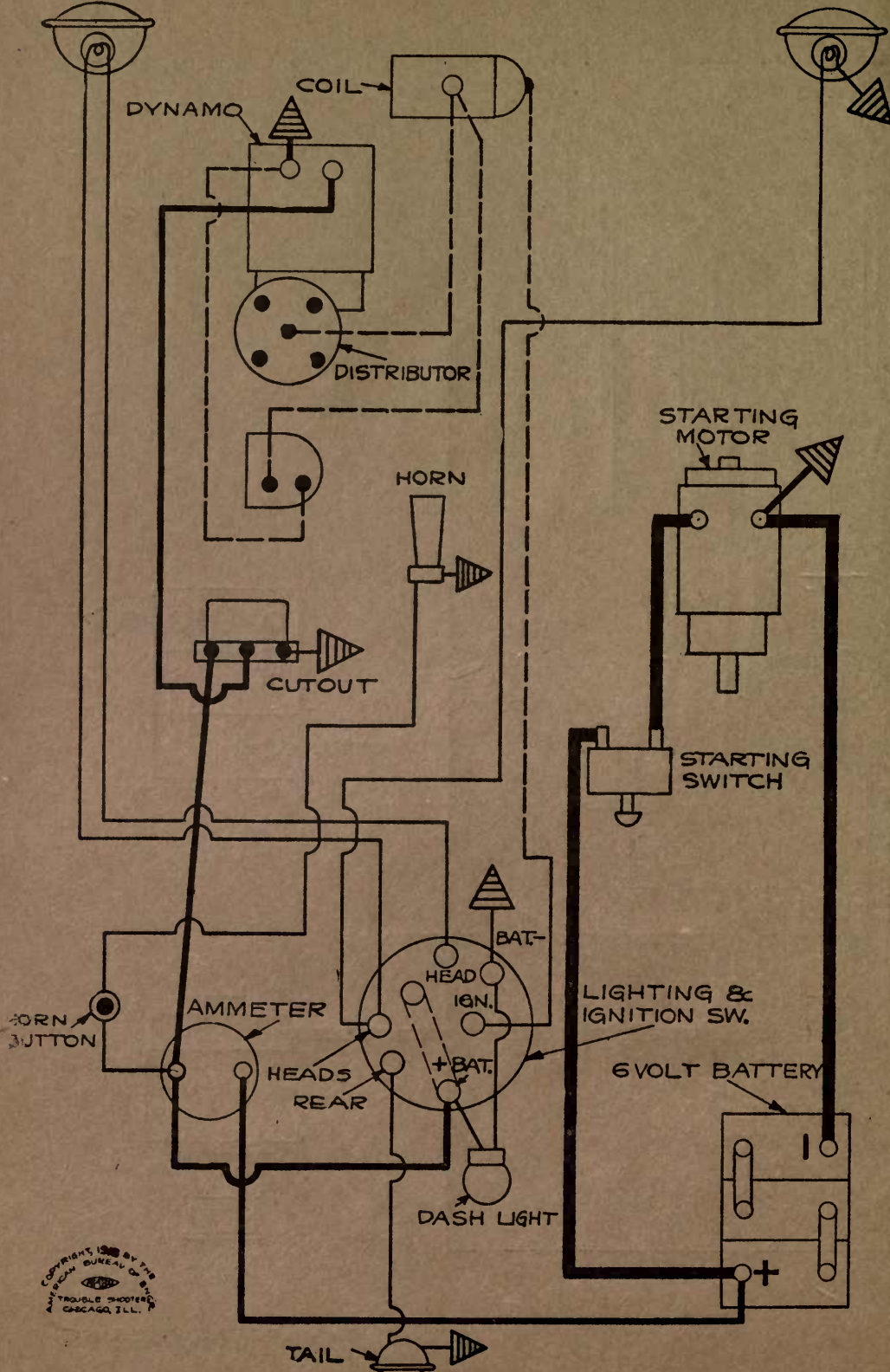
L.H.D. LIGHT

REGAL 4-32 MODEL - J - 1917

R.H.D. LIGHT

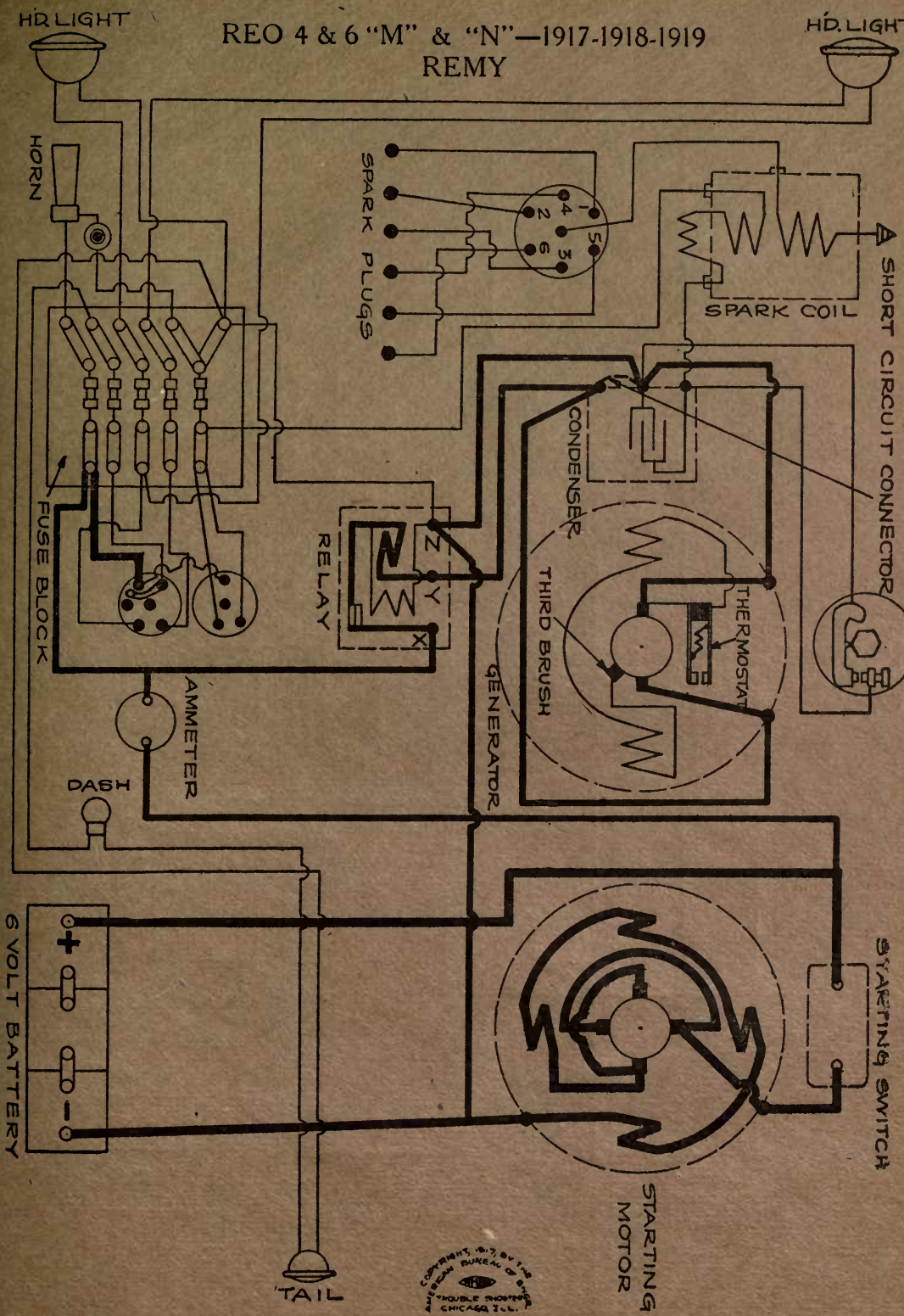


HD. LAMP REGAL 'J' - '1918' - AUTOLITE HD. LAMP



COPYRIGHT, 1918 BY THE
AMERICAN BUREAU OF THE
TROUBLE SHOOTERS
CHICAGO, ILL. 1

REO 4 & 6 "M" & "N"—1917-1918-1919
REMY

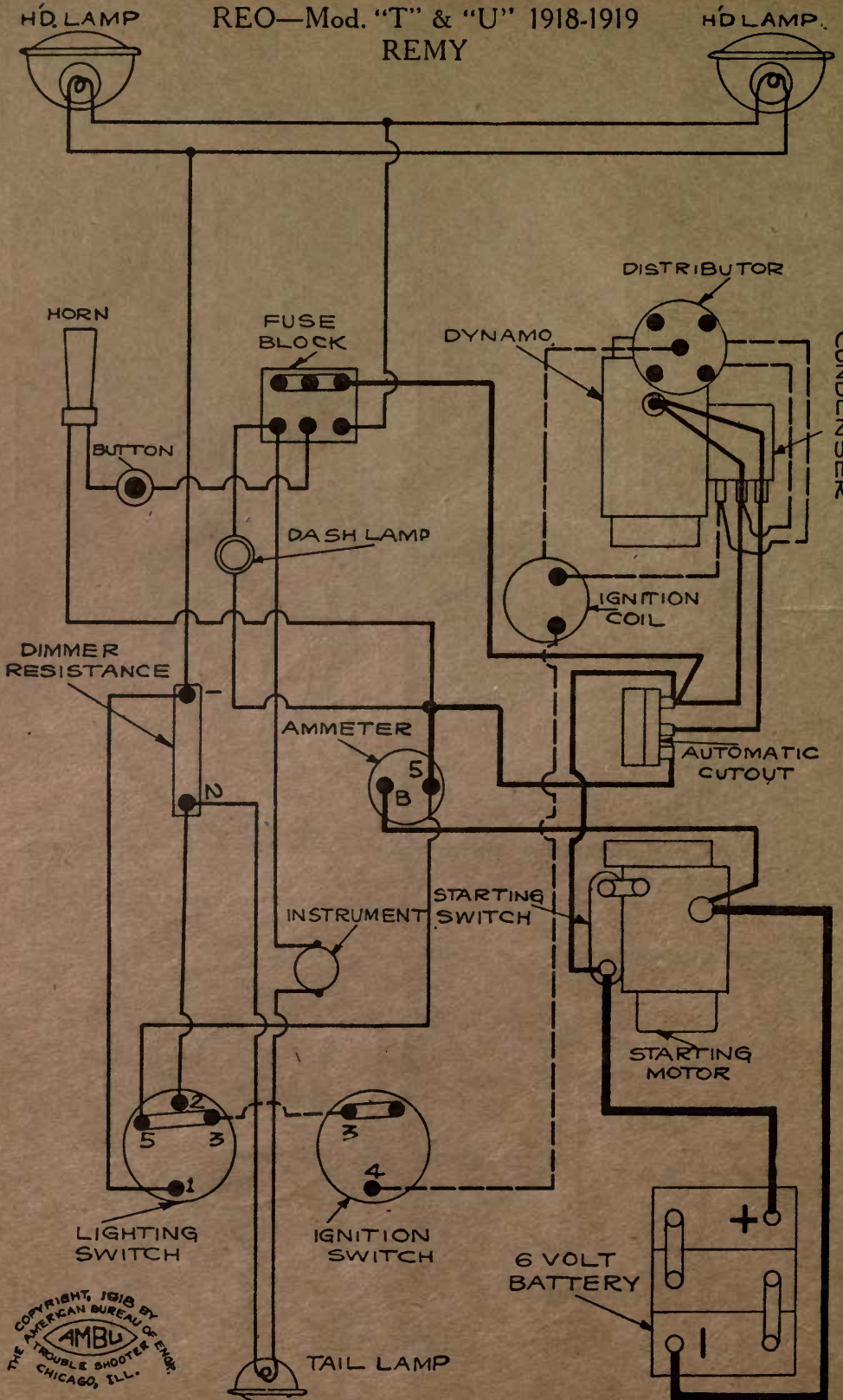


COPYRIGHT, 1917, BY THE
AMERICAN BUREAU OF MOTOR
VEHICLE REPAIRS
CHICAGO, ILL.

H.D. LAMP

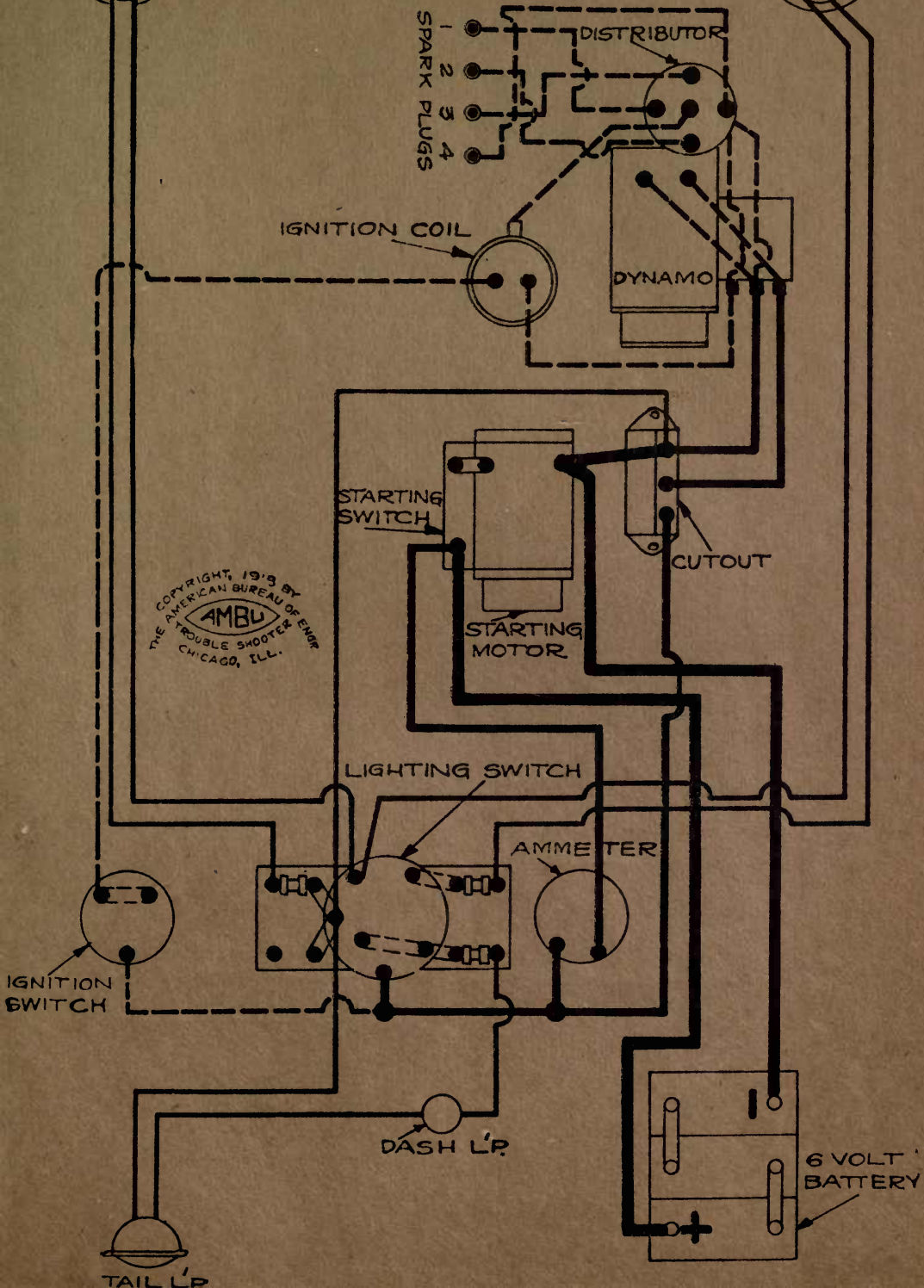
REO—Mod. "T" & "U" 1918-1919
REMY

H.D. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 TROUBLE SHOOTERS
 CHICAGO, ILL.

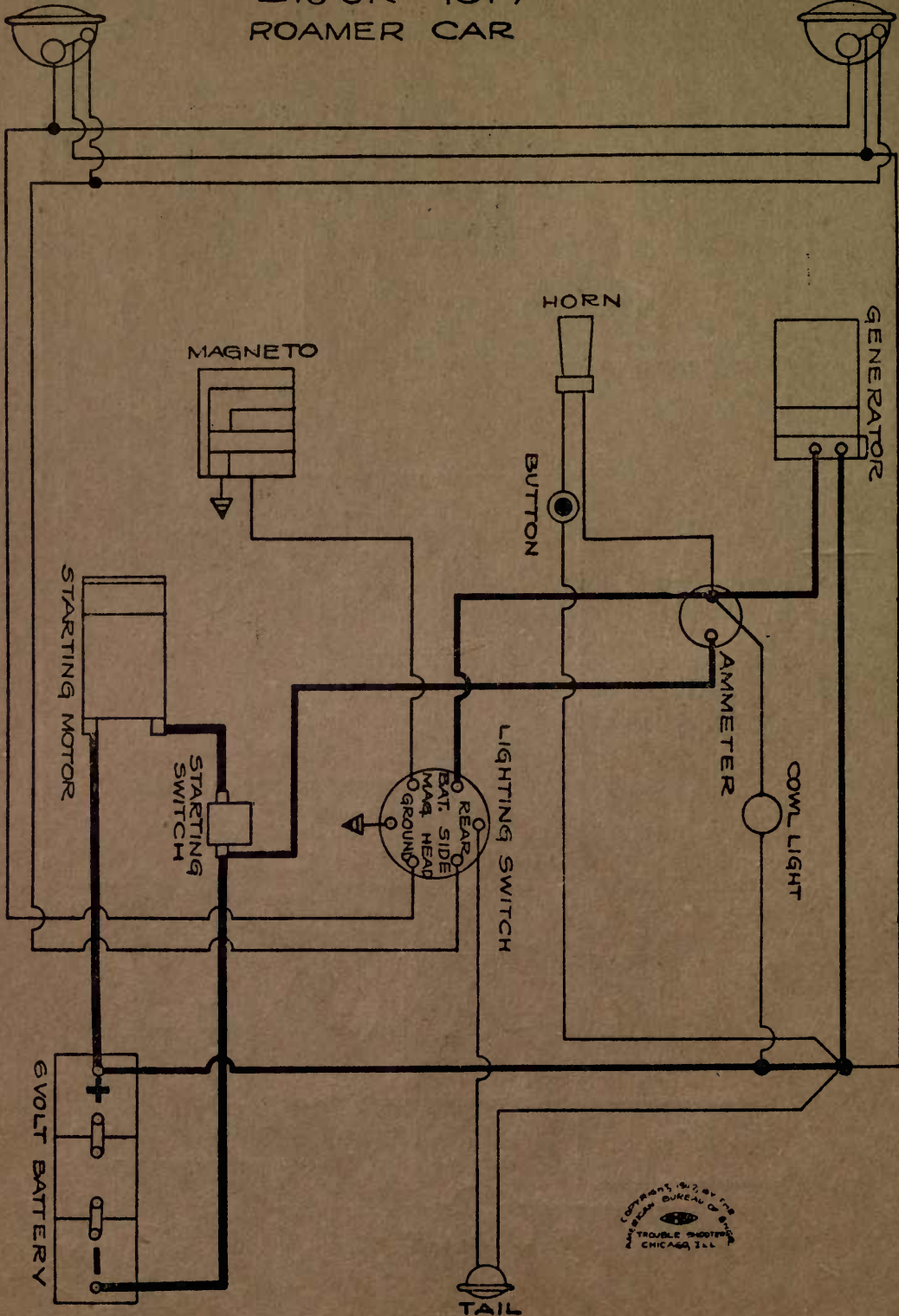
HD. LAMP REO TRUCK "F" 1917-1918-1919 HD. LAMP
SERIAL NOS. 12789 TO DATE
REMY



HD. LIGHT

BIJUR - "1917" ROAMER CAR

HD. LIGHT

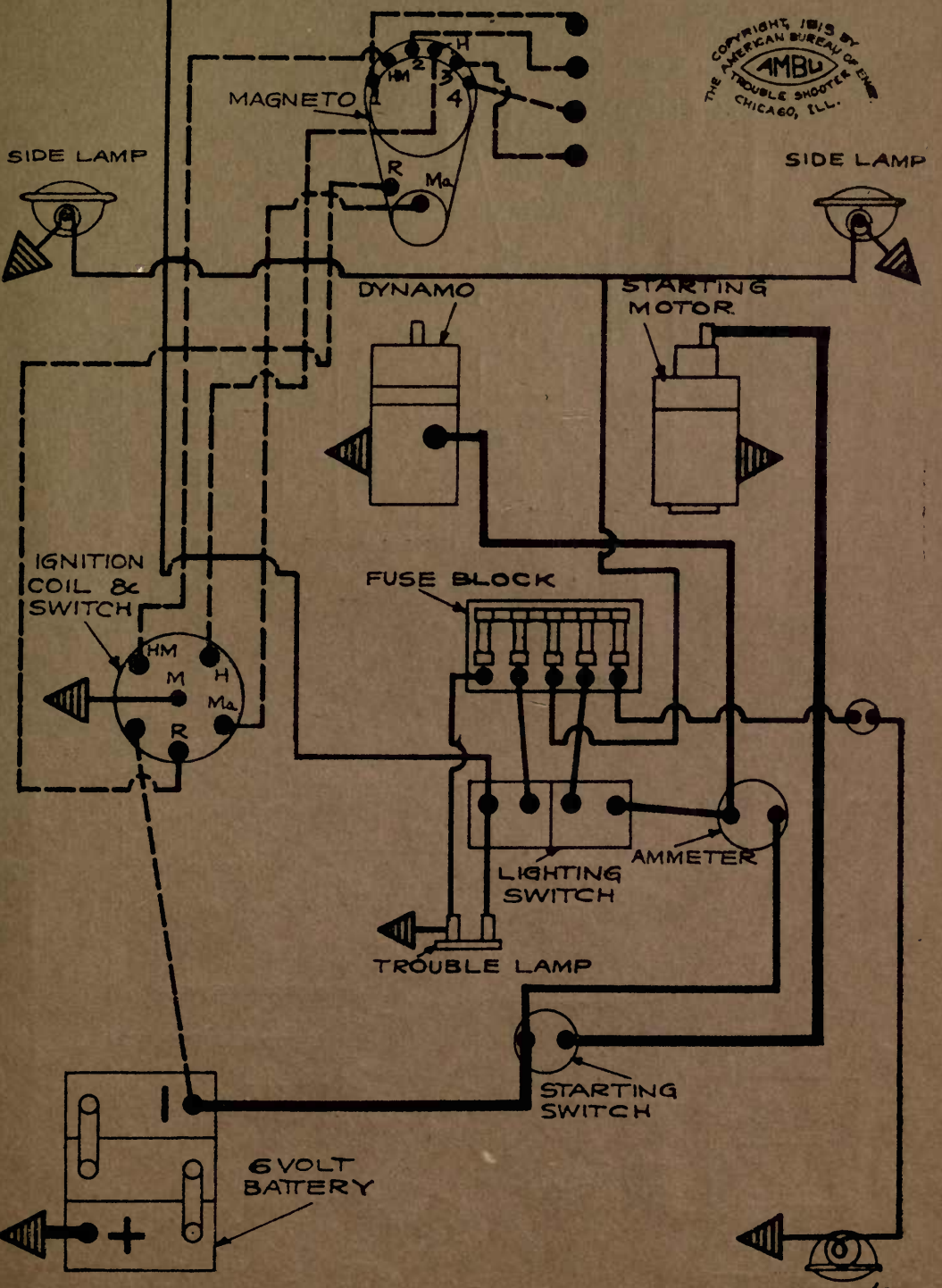


Copyright 1917, by The
 Bureau of
 Troubleshooting
 Chicago, Ill.

HD. LAMP RIKER TRUCKS '3 & 4 TON WESTINGHOUSE TRUCKS USING HEADLIGHTS



COPYRIGHT, 1915 BY THE AMERICAN BUREAU OF ENGINEERING TROUBLE SHOOTER CHICAGO, ILL.



SIDE LAMP

SIDE LAMP

DYNAMO

STARTING MOTOR

FUSE BLOCK

IGNITION COIL & SWITCH

LIGHTING SWITCH

AMMETER

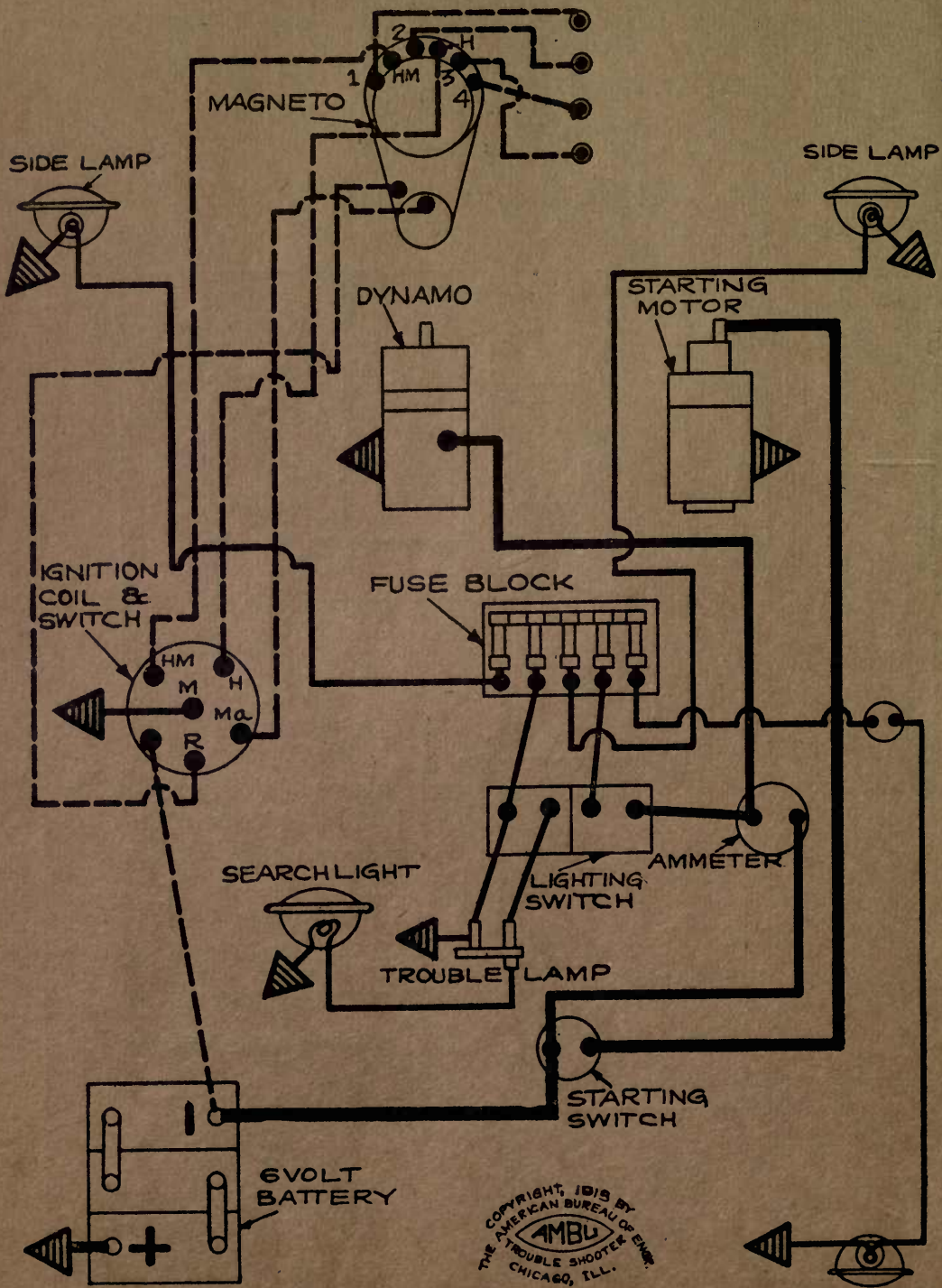
TRUBLE LAMP

STARTING SWITCH

6VOLT BATTERY

TAIL L/R

RIKER TRUCKS 3&4 TON WESTINGHOUSE TRUCKS USING SEARCHLIGHTS

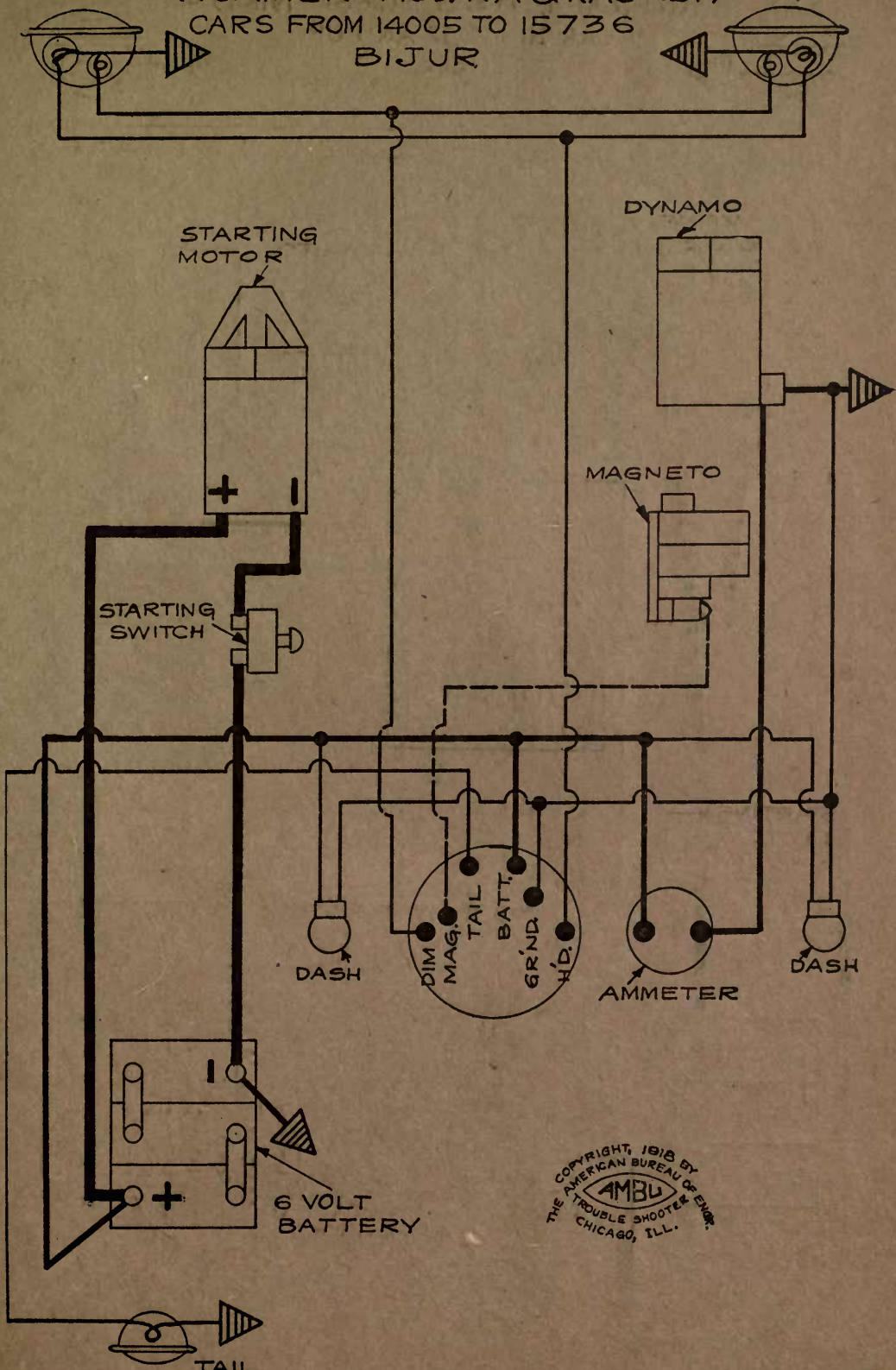


COPYRIGHT, 1915 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
THE TROUBLE SHOOTER OF ENGRS.
CHICAGO, ILL.

ROAMER - MOD. RA & RAC - 1917

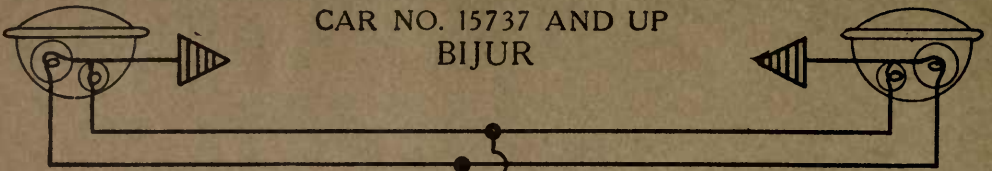
CARS FROM 14005 TO 15736

BIJUR



COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
TROUBLE SHOOTER
CHICAGO, ILL.

H'D. LAMP ROAMER Mod. "D-4-75" "C-6-54" 1918-1919 H'D. LAMP
 CAR NO. 15737 AND UP
 BIJUR

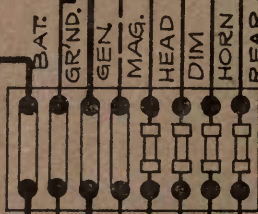
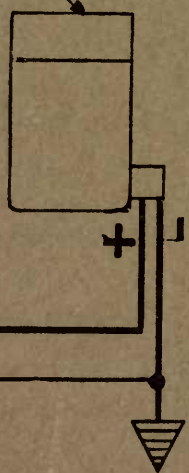
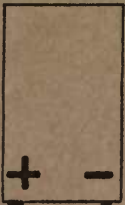


STARTING MOTOR

HORN

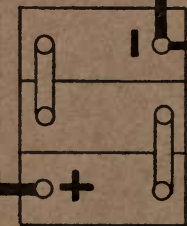
MAGNETO

DYNAMO



FUSE BLOCK

STARTING SWITCH



6 VOLT BATTERY

DASH

AMMETER

LIGHTING SWITCH

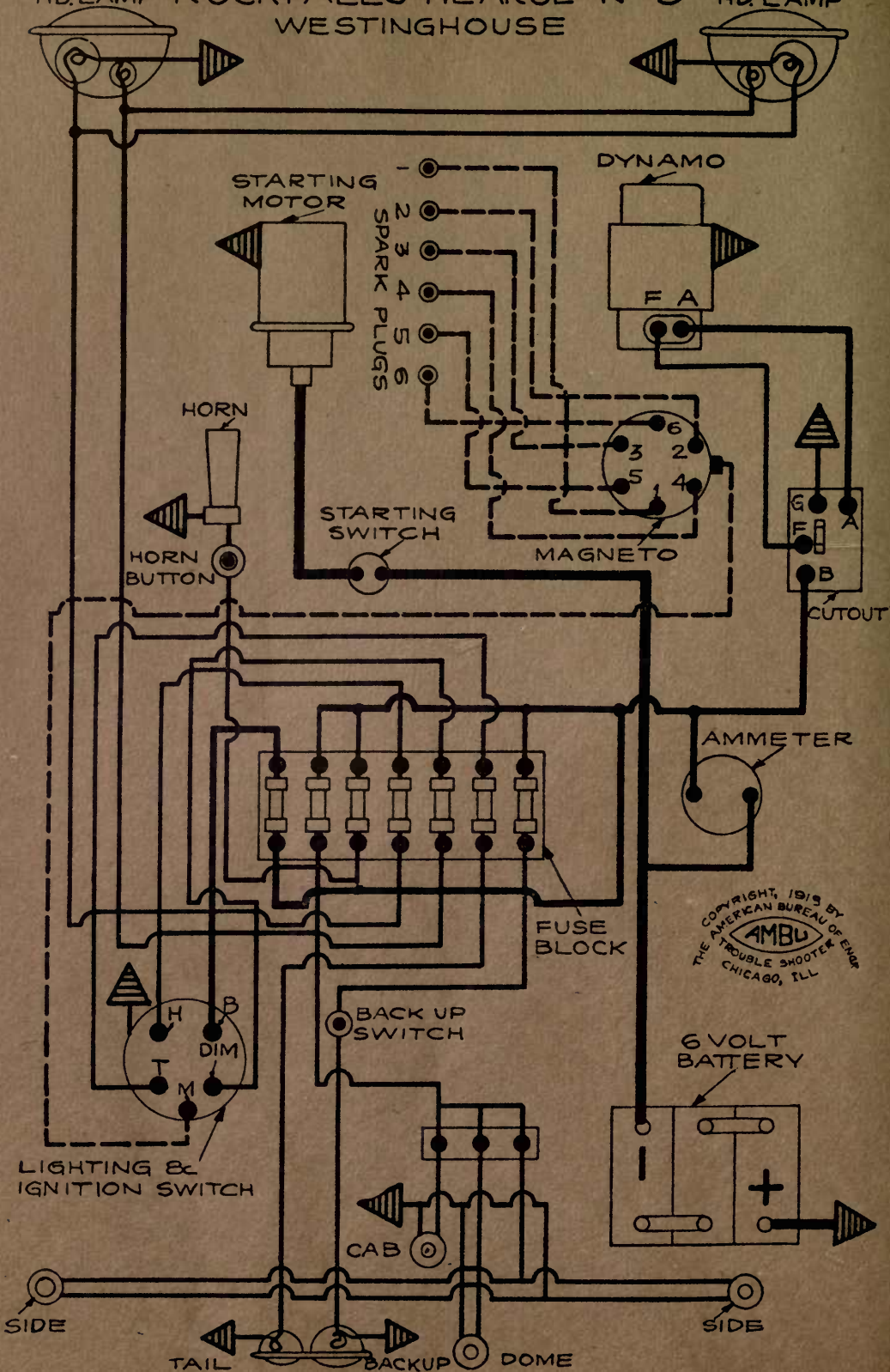


TAIL LAMP

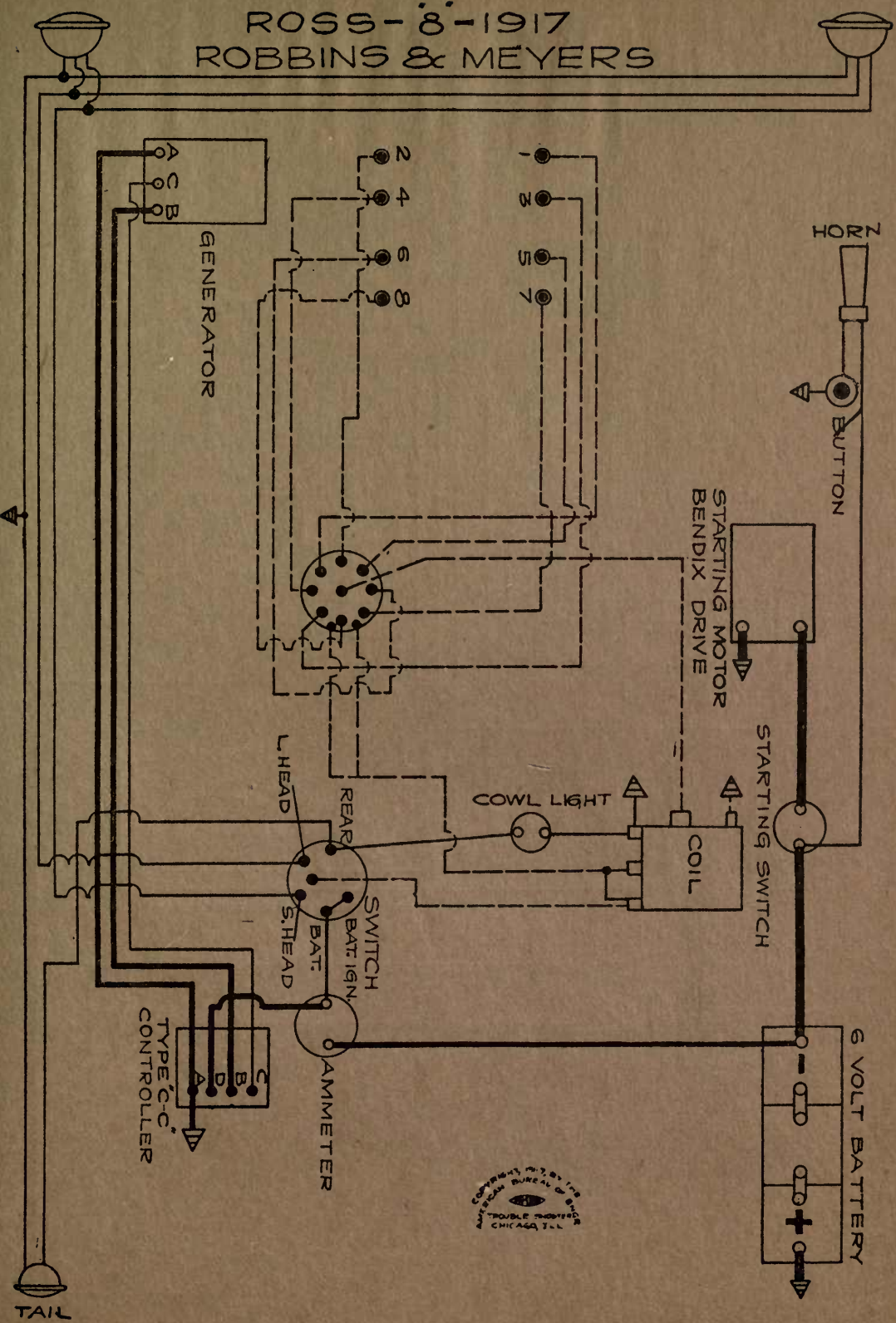
COPYRIGHT, 1918, BY
 THE AMERICAN BUREAU OF
 THE TROUBLE SHOOTER, INC.
 CHICAGO, ILL.

HD. LAMP ROCKFALLS HEARSE - N^o 9
WESTINGHOUSE

HD. LAMP



ROSS-8-1917 ROBBINS & MEYERS

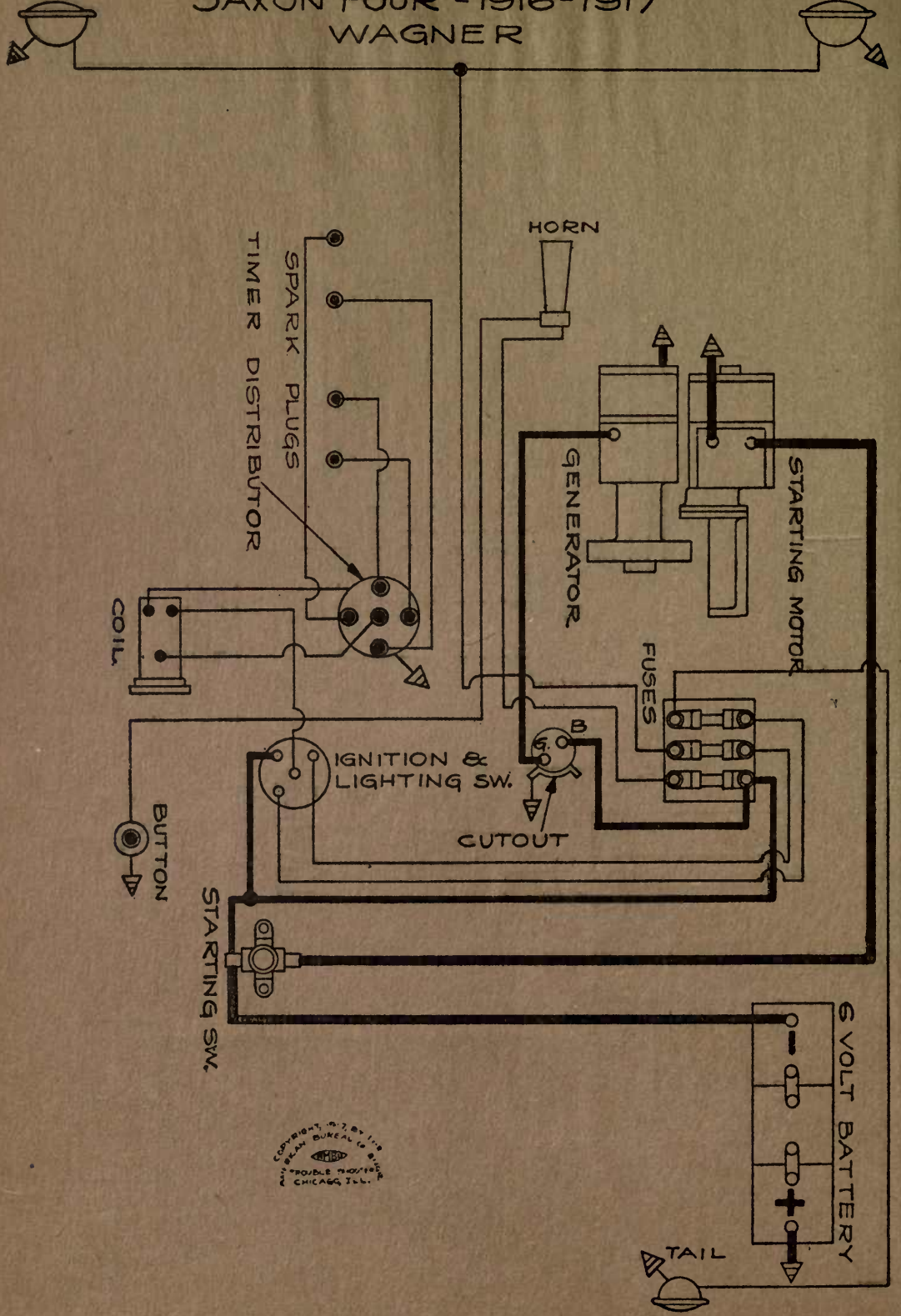


COPYRIGHT 1917 BY THE
AMERICAN BUREAU OF STANDARDS
TROUBLE SHOOTING
CHICAGO ILL.

Hd. LIGHTS

SAXON "FOUR" - 1916-1917 WAGNER

Hd. LIGHTS



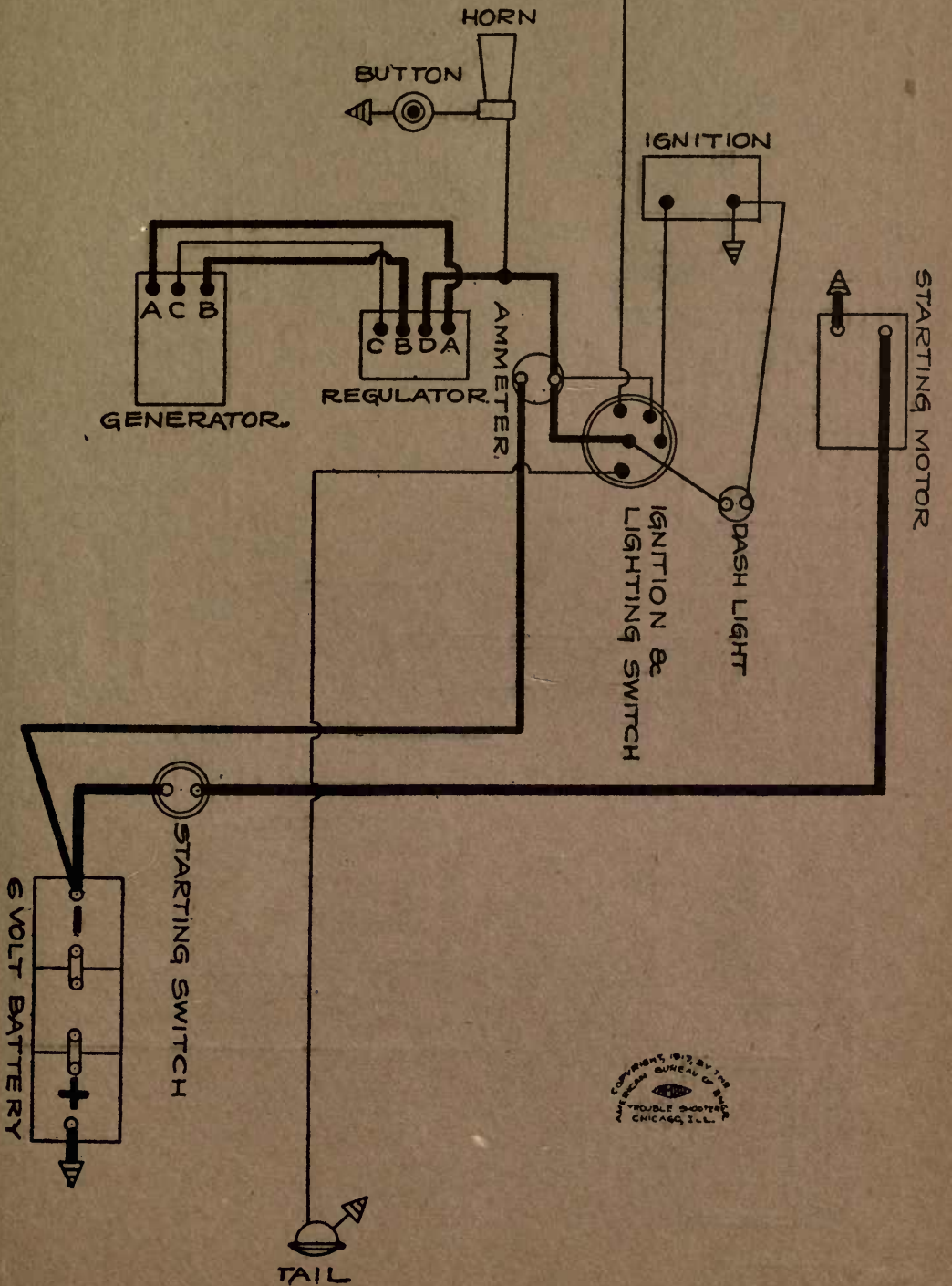
Copyright, 1917, by The
 Bureau of
 Automobile
 Electrical
 Equipment
 Chicago, Ill.

HD LIGHT



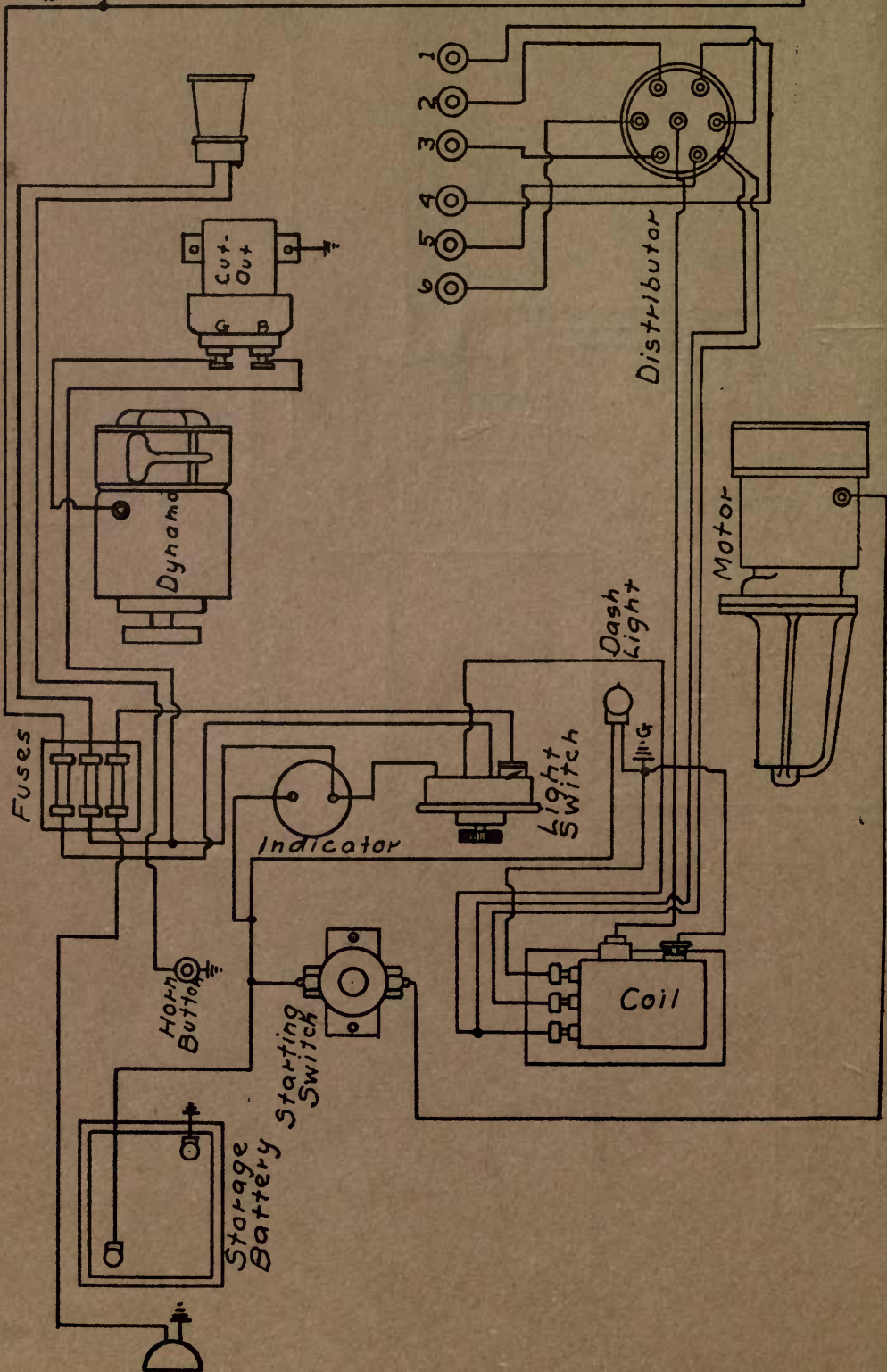
SAXON "SIX" - 1916-1917 DETROIT

HD LIGHT



COPYRIGHT 1917 BY THE
 AMERICAN BUREAU OF THE
 AUTOBIOGRAPHIC SYSTEM
 CHICAGO, ILL.

SAXON "SIX"—1916-1917-1918-1919
WAGNER



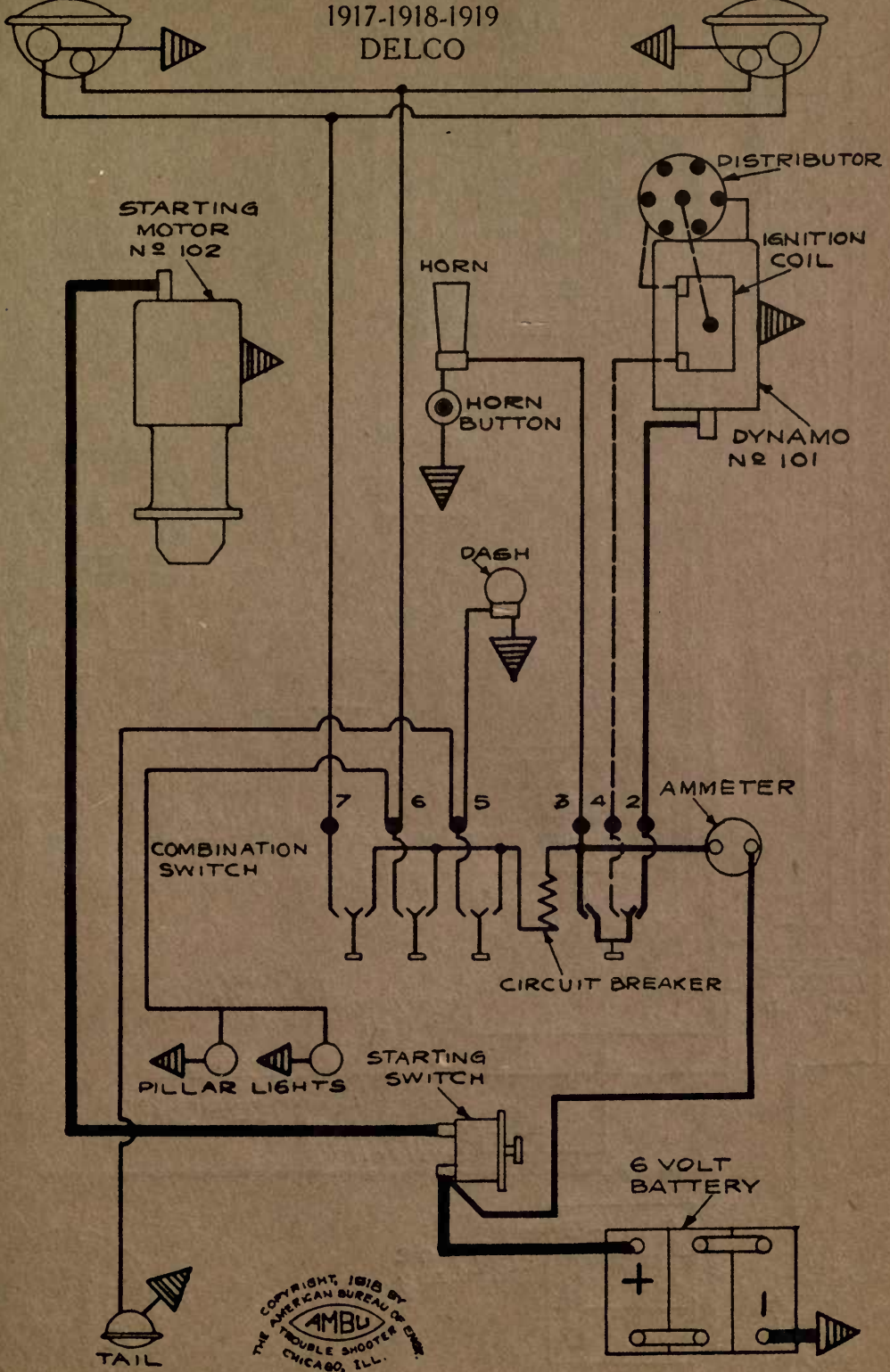
HQ LAMP

SAYERS & SCOVILLE "6 CYL."

1917-1918-1919

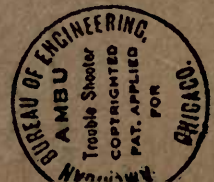
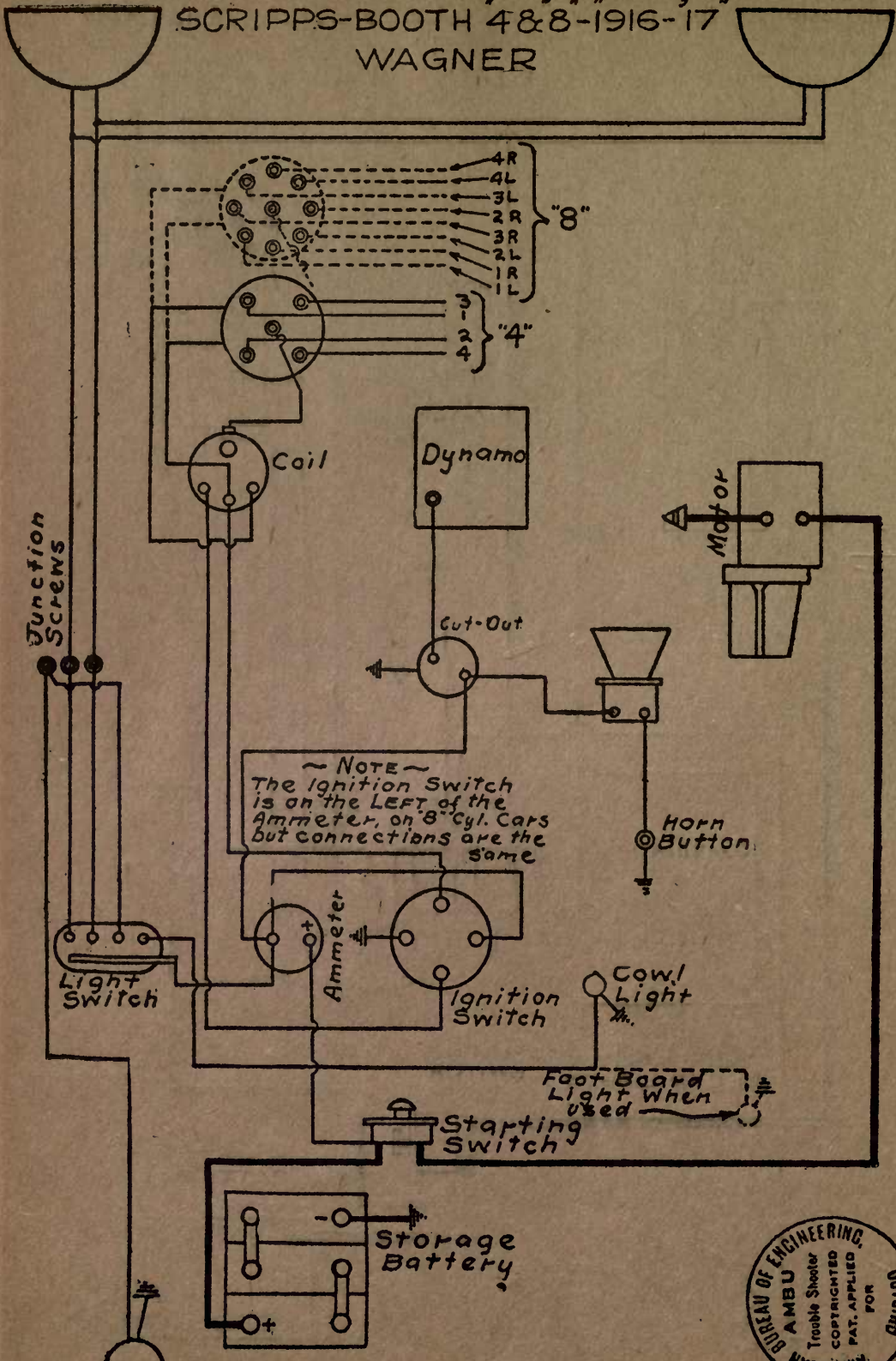
DELCO

HQ LAMP

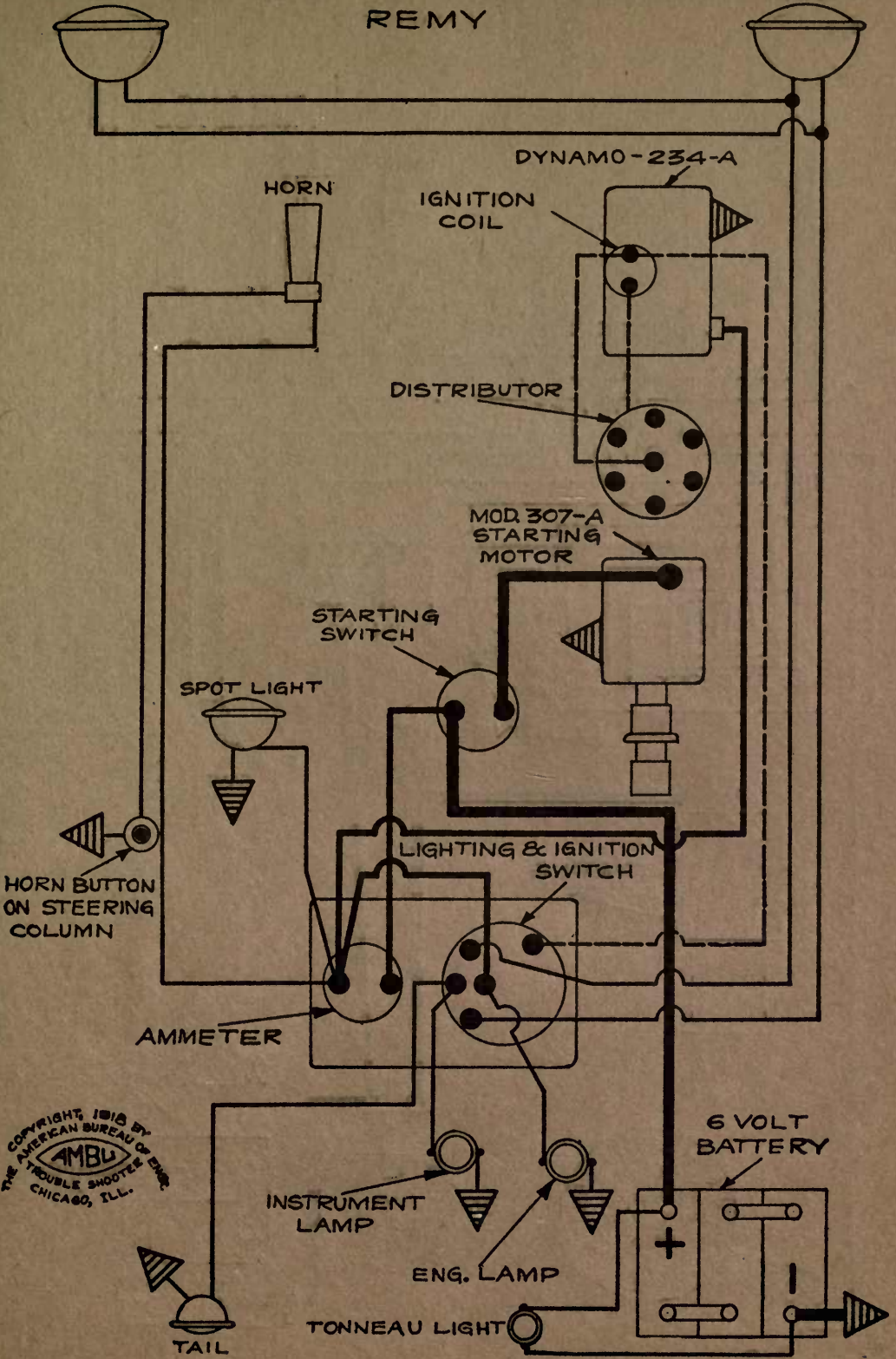


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 THE TROUBLE SHOOTER
 CHICAGO, ILL.

SCRIPPS-BOOTH 4 & 8 - 1916-17 WAGNER



HD. LAMP SCRIPPS-BOOTH "6-39" "40" 1918-1919 HD. LAMP
REMY



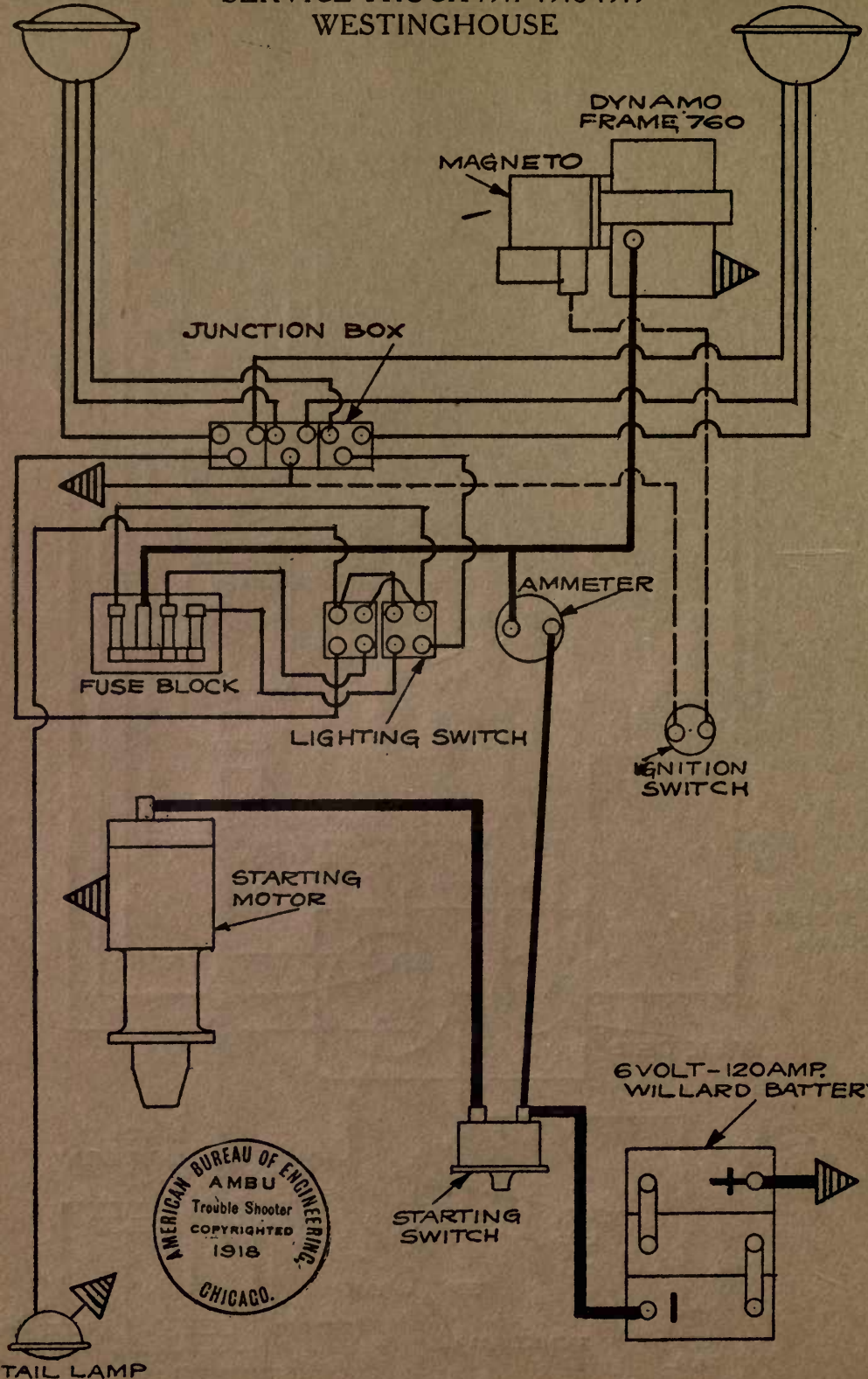
COPYRIGHT, 1918 BY
THE AMERICAN BUREAU OF CAR
THE TROUBLE SHOOTER
CHICAGO, ILL.



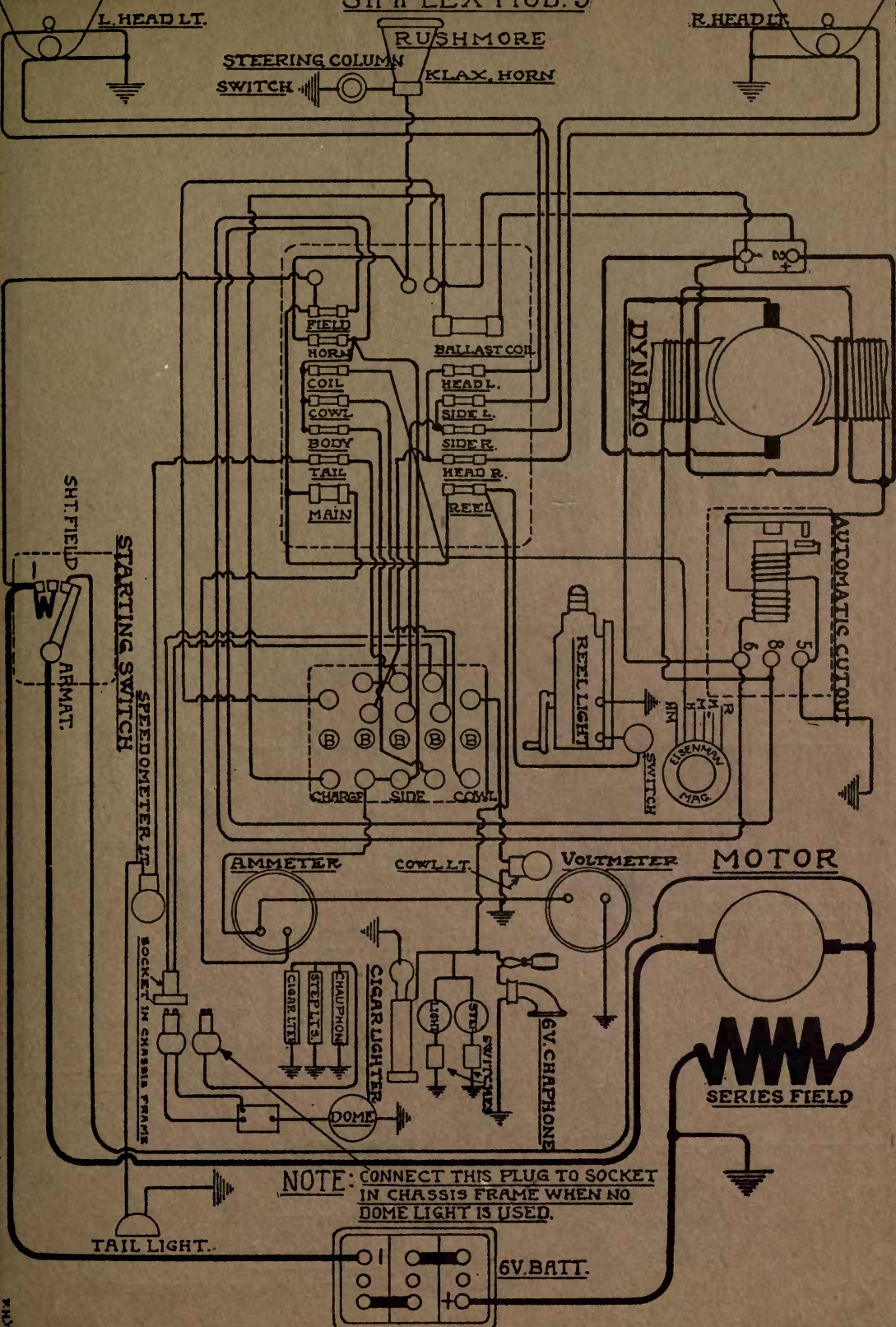
H.D. LAMP

SERVICE TRUCK 1917-1918-1919 WESTINGHOUSE

H.D. LAMP



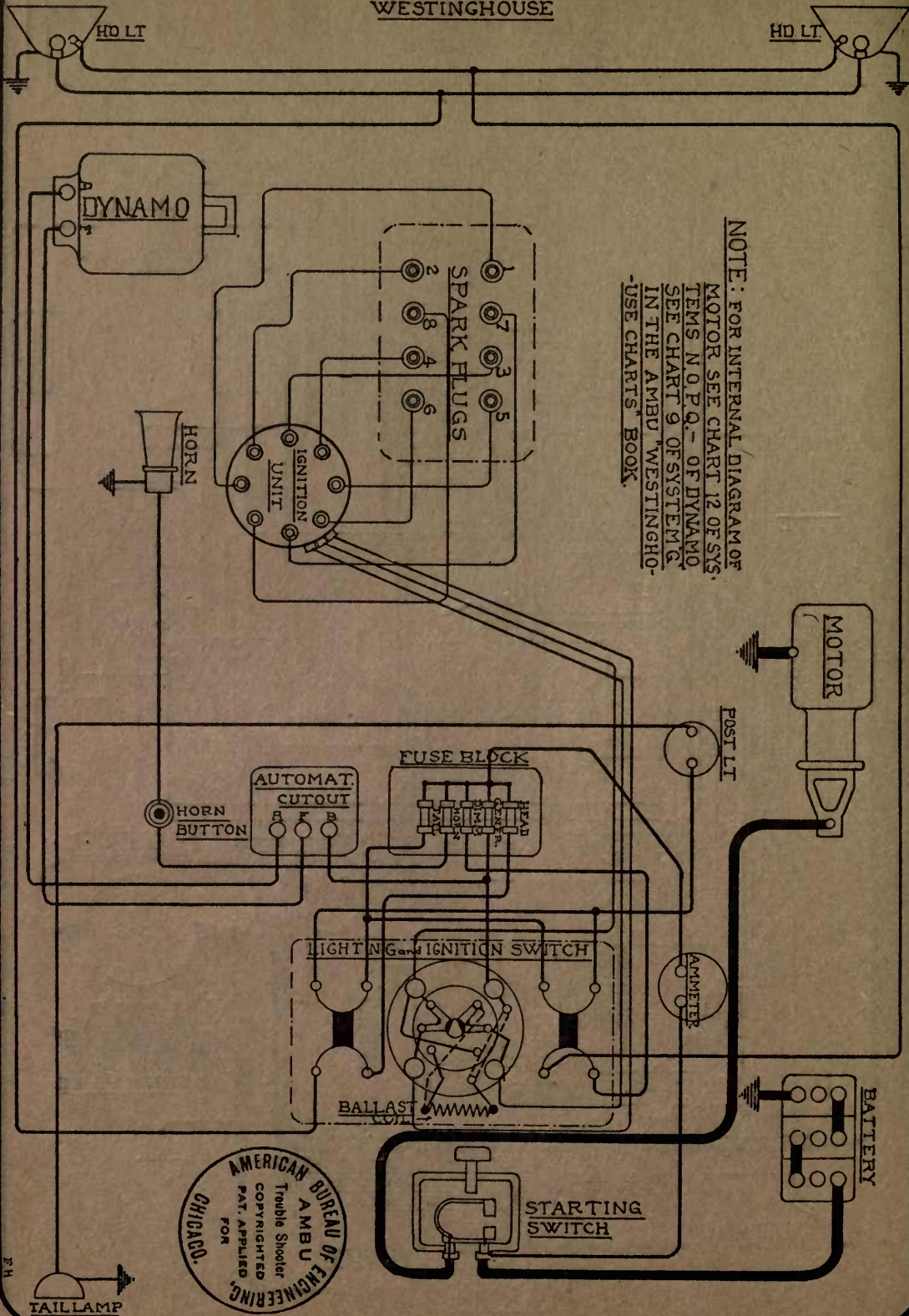
SIMPLEX MOD. 5



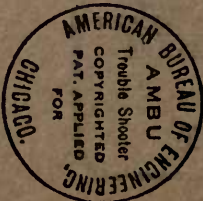
NOTE: CONNECT THIS PLUG TO SOCKET IN CHASSIS FRAME WHEN NO DOME LIGHT IS USED.

STANDARD E 1917

WESTINGHOUSE



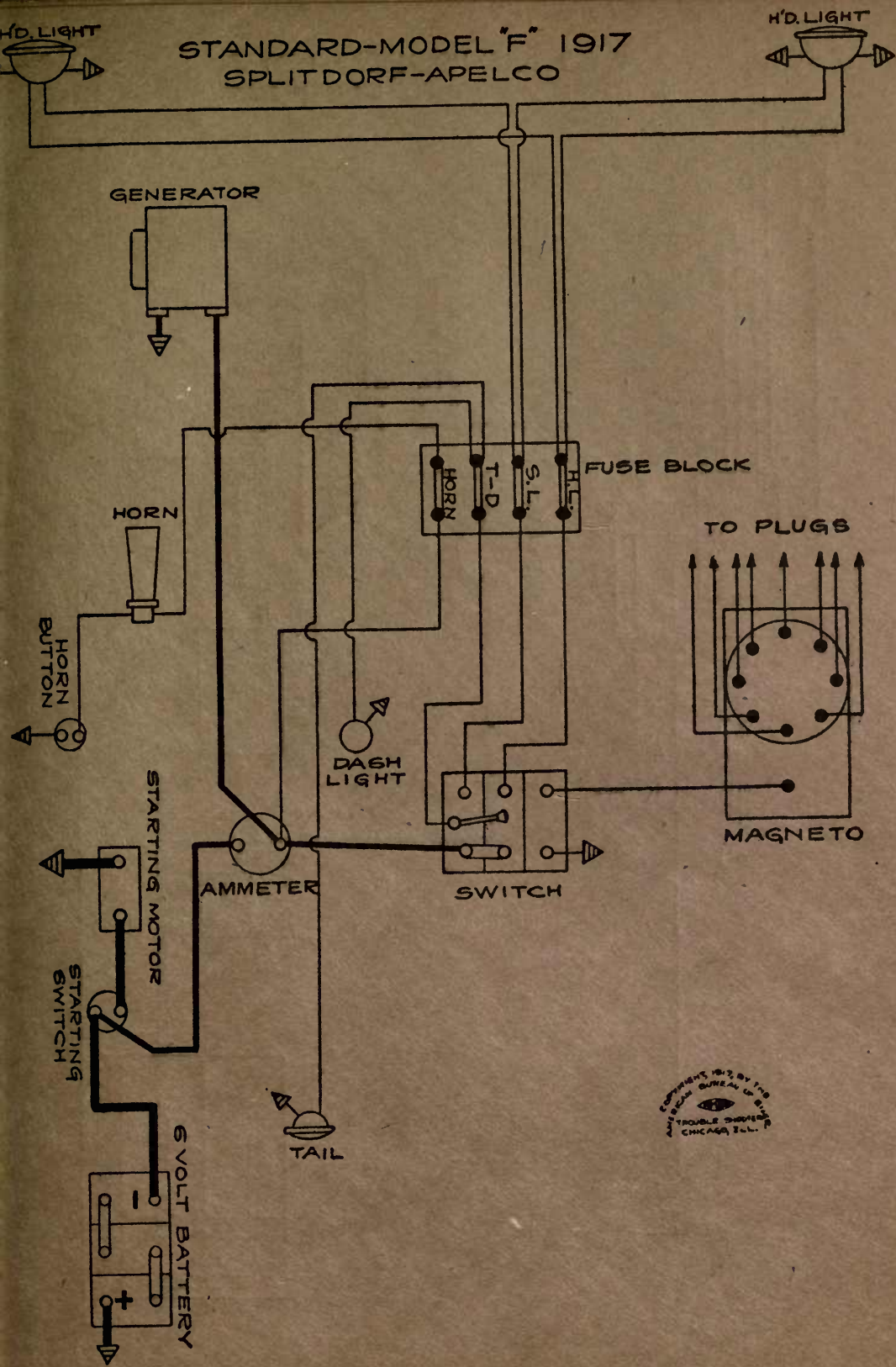
NOTE: FOR INTERNAL DIAGRAM OF MOTOR SEE CHART 12 OF SYSTEMS N.O.P.C. OF DYNAMO. SEE CHART 9 OF SYSTEMS IN THE AMBU "WESTINGHOUSE CHARTS" BOOK.



F.H.

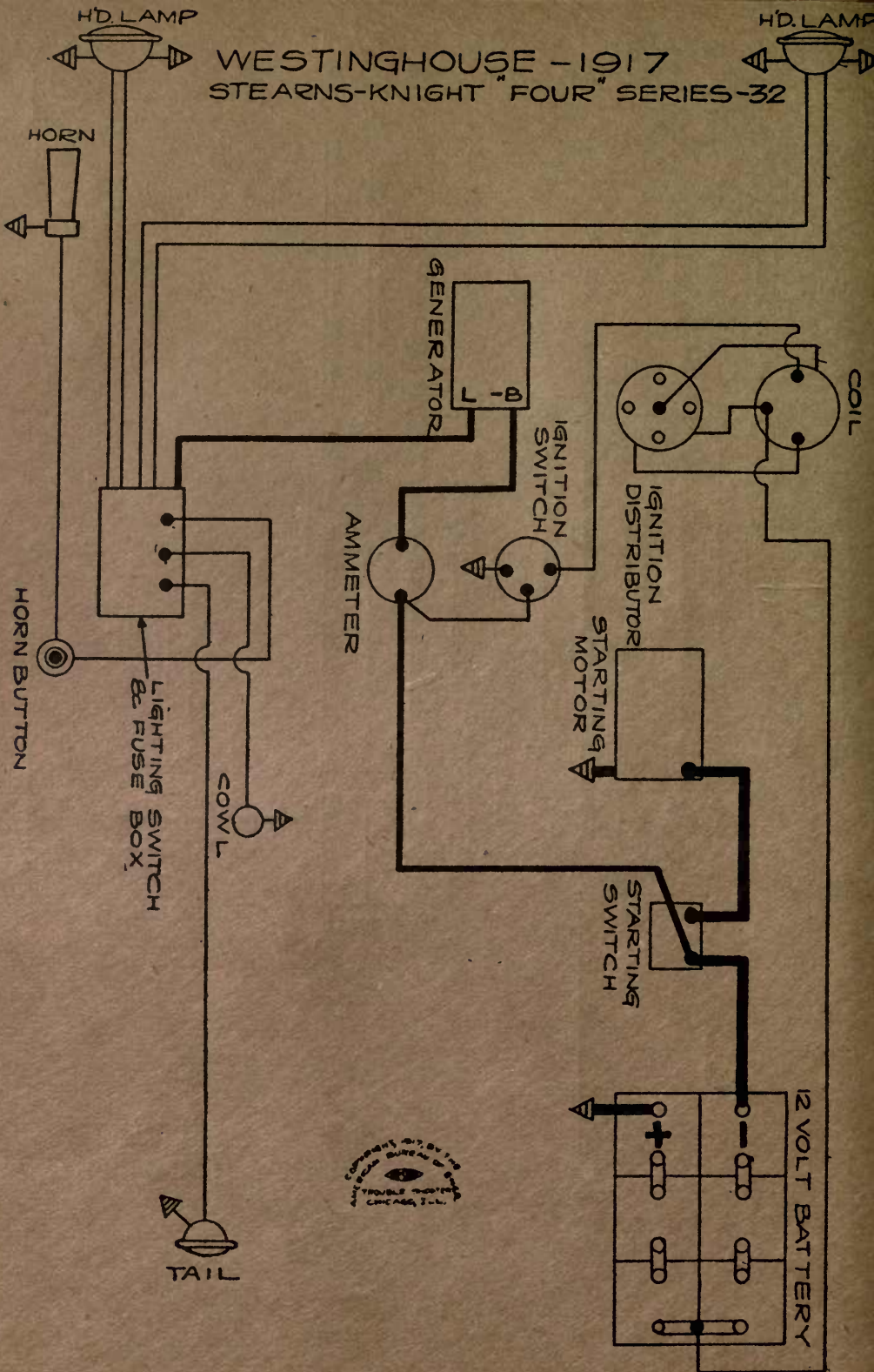
TAIL LAMP

STANDARD-MODEL "F" 1917 SPLIT DORF-APELCO



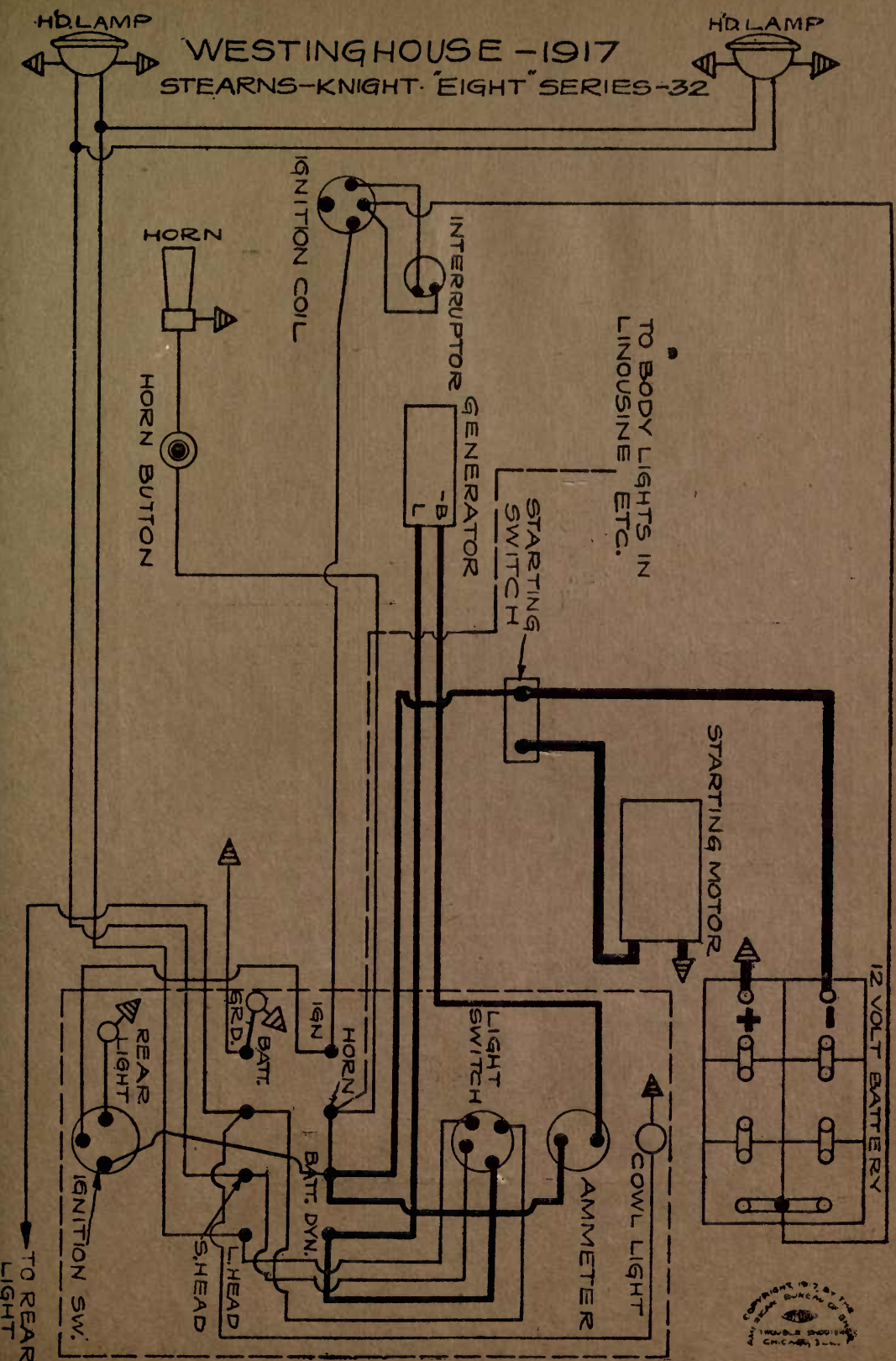
COPYRIGHT 1917 BY THE
AMERICAN BUREAU OF LIGHT
TROUBLE SHOOTERS
CHICAGO, ILL.

WESTINGHOUSE - 1917
STEARNS-KNIGHT "FOUR" SERIES-32



Copyright 1917 by the
Western Electric Co. Inc.
Chicago, Ill.

WESTINGHOUSE - 1917
 STEARNS-KNIGHT "EIGHT" SERIES - 32



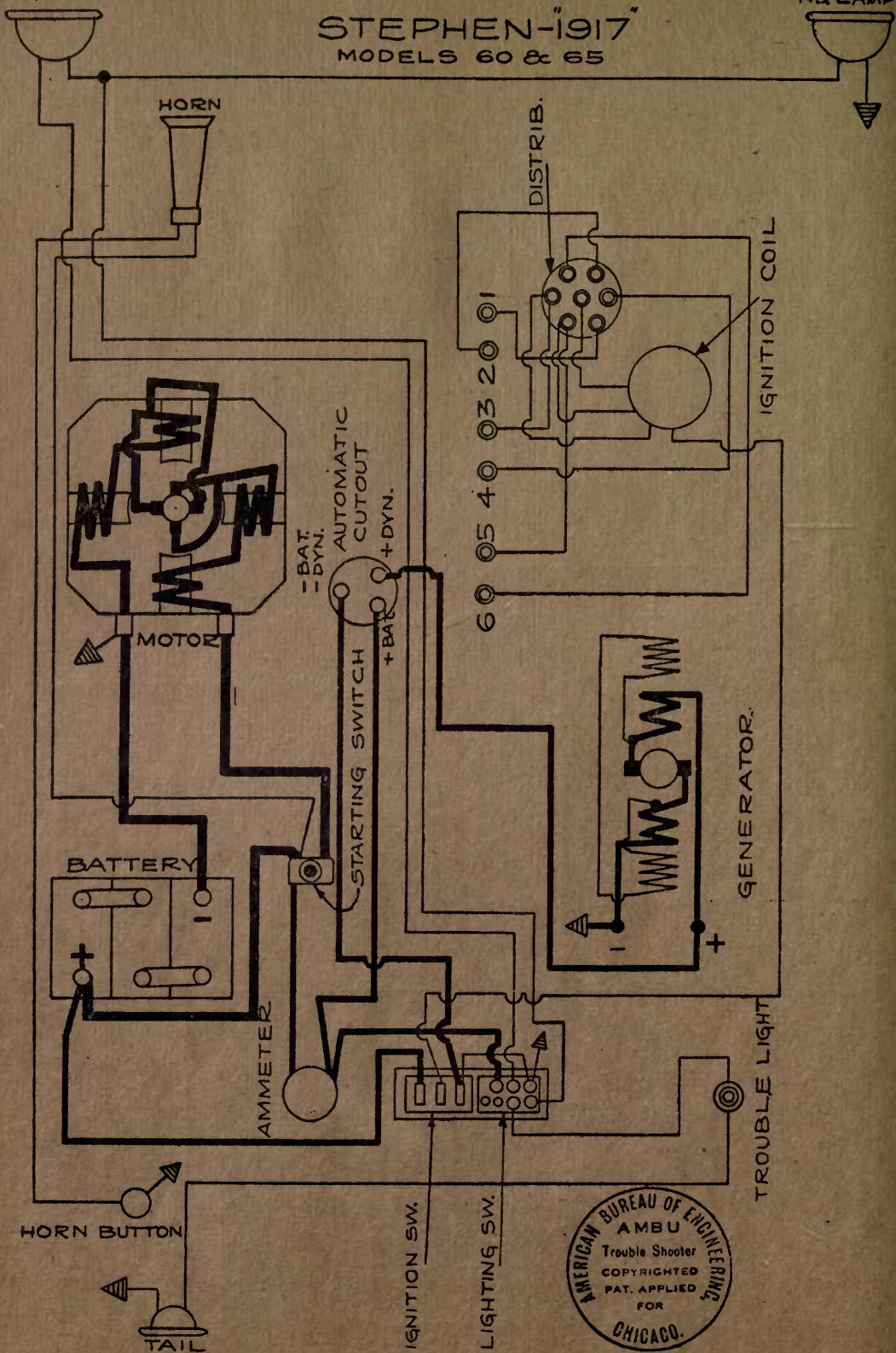
Copyright 1917, by the
 General Motors Corporation
 CHICAGO, ILL.

HD LAMP

HQ LAMP

STEPHEN-1917

MODELS 60 & 65

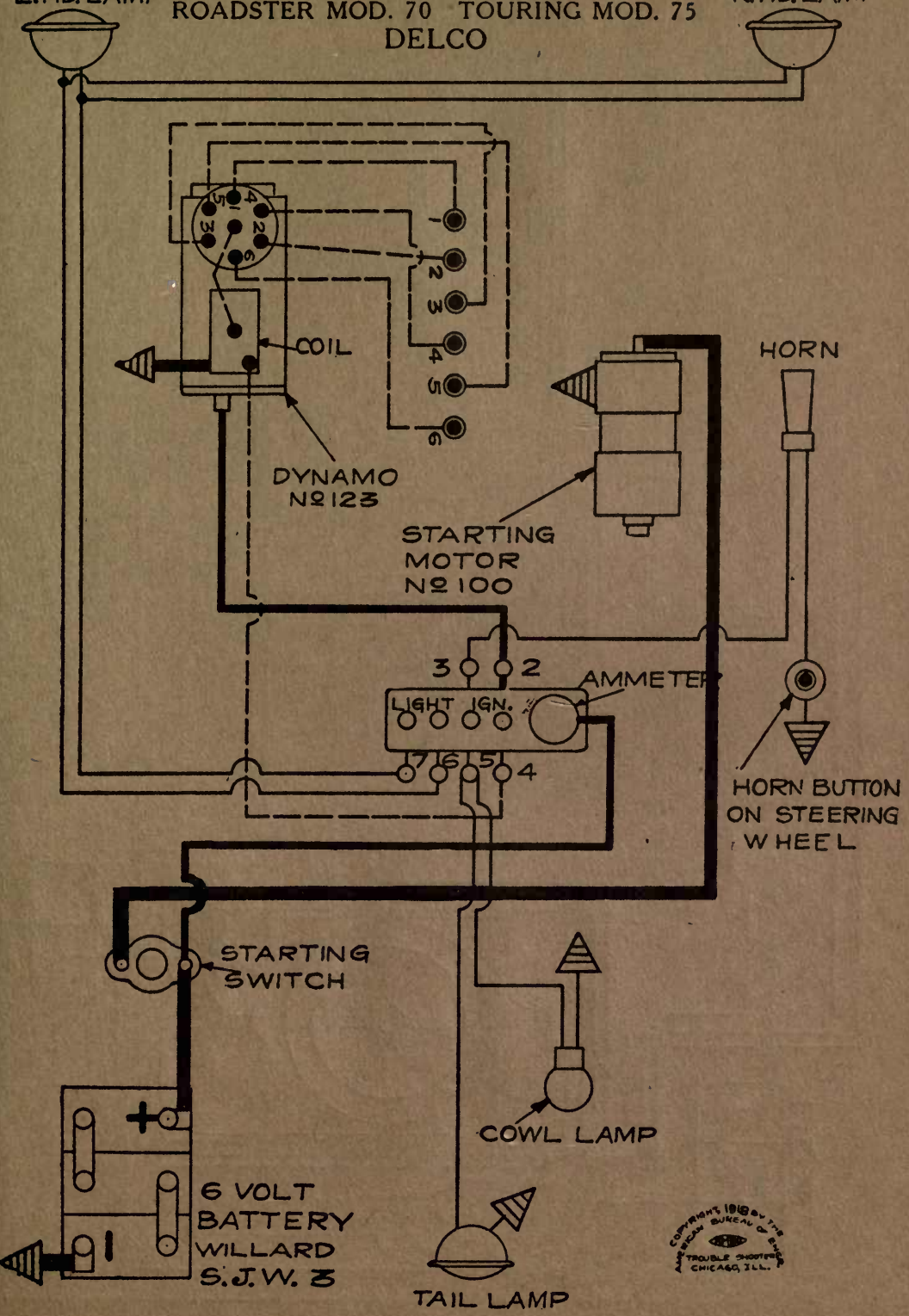


AMERICAN BUREAU OF ENGINEERING
 AMBU
 Trouble Shooter
 COPYRIGHTED
 PAT. APPLIED
 FOR
 CHICAGO.

L. HD. LAMP

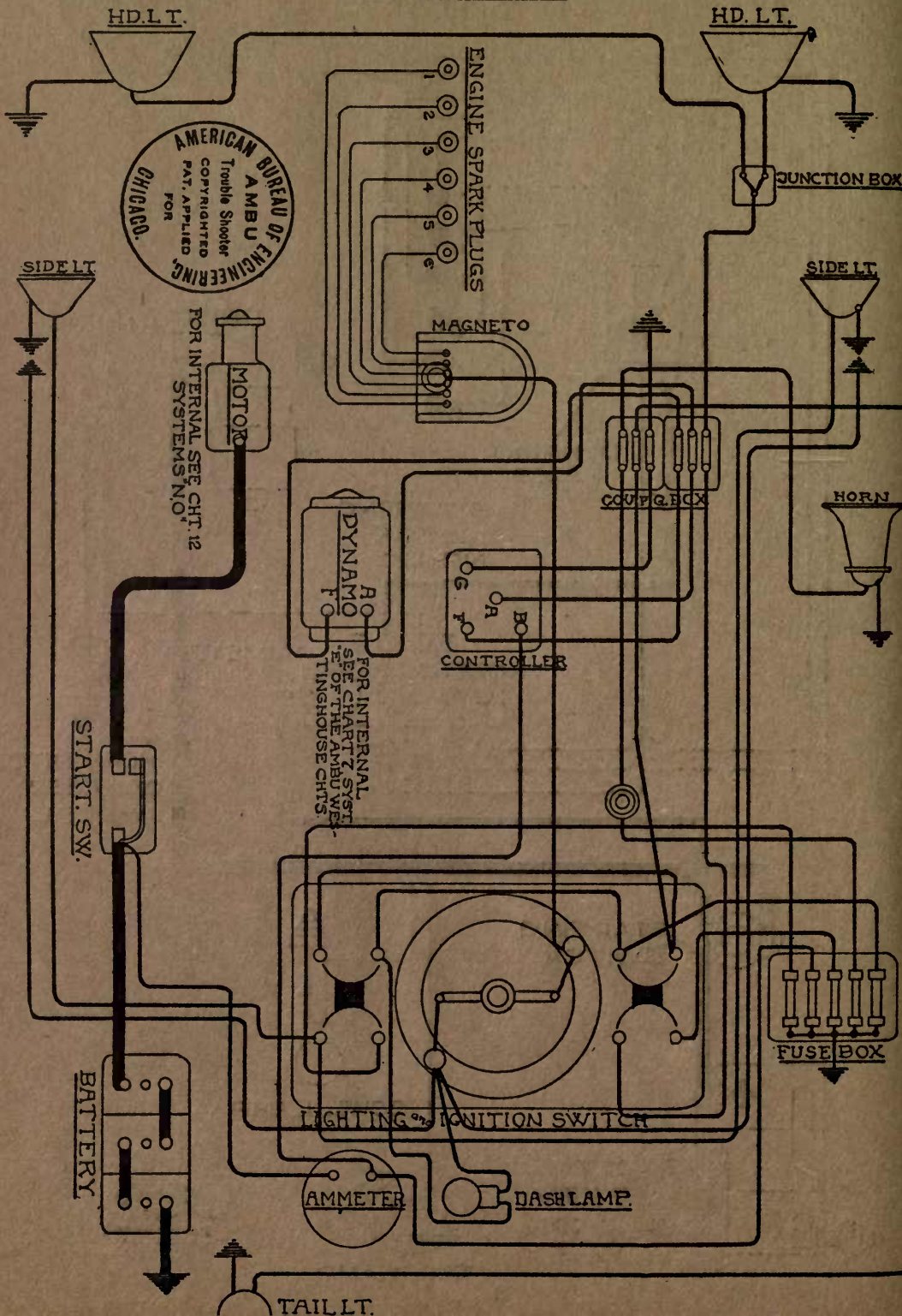
STEPHENS SALIENT SIX 1918-1919 ROADSTER MOD. 70 TOURING MOD. 75 DELCO

R. HD. LAMP



COPYRIGHT 1918 BY THE
 AMERICAN BUREAU OF
 TROUBLE SHOOTING
 CHICAGO, ILL.

19 STEWART-TOURING 17 WESTINGHOUSE



AMERICAN BUREAU OF ENGINEERING
CHICAGO.
Trouble Shooter
COPYRIGHTED
PAT. APPLIED
FOR

MOTOR
FOR INTERNAL SEE CHIT 12
SYSTEMS NO.

DYNAMO
FOR INTERNAL
SEE CHART 7 SYSTEMS
OF THE AMBU WESTINGHOUSE CHTS.

CONTROLLER
G F A B

LIGHTING and IGNITION SWITCH

AMMETER

DASH LAMP

TAIL LT.

HD. LT.

HD. LT.

JUNCTION BOX

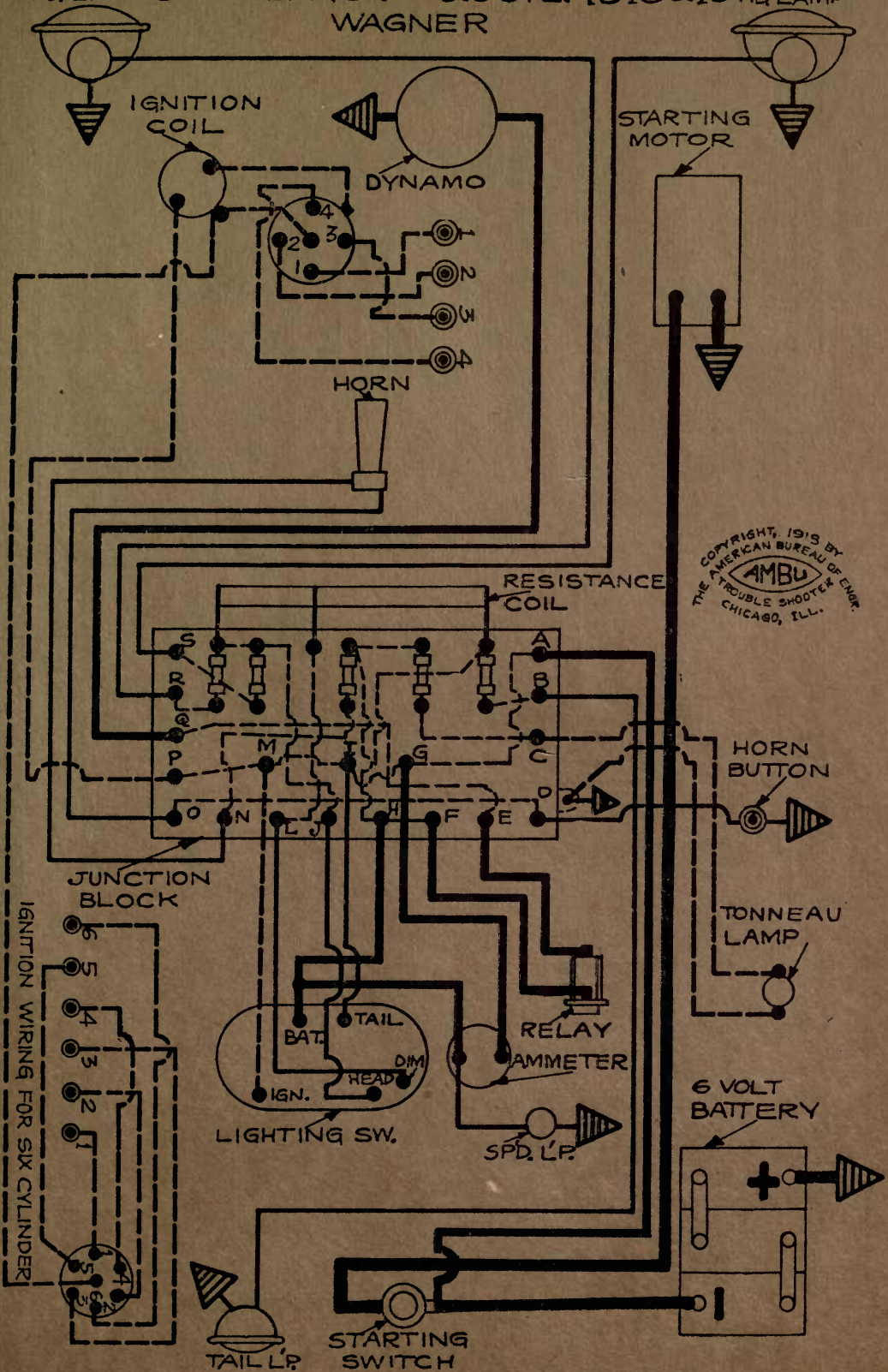
SIDE LT.

SIDE LT.

HORN

FUSE BOX

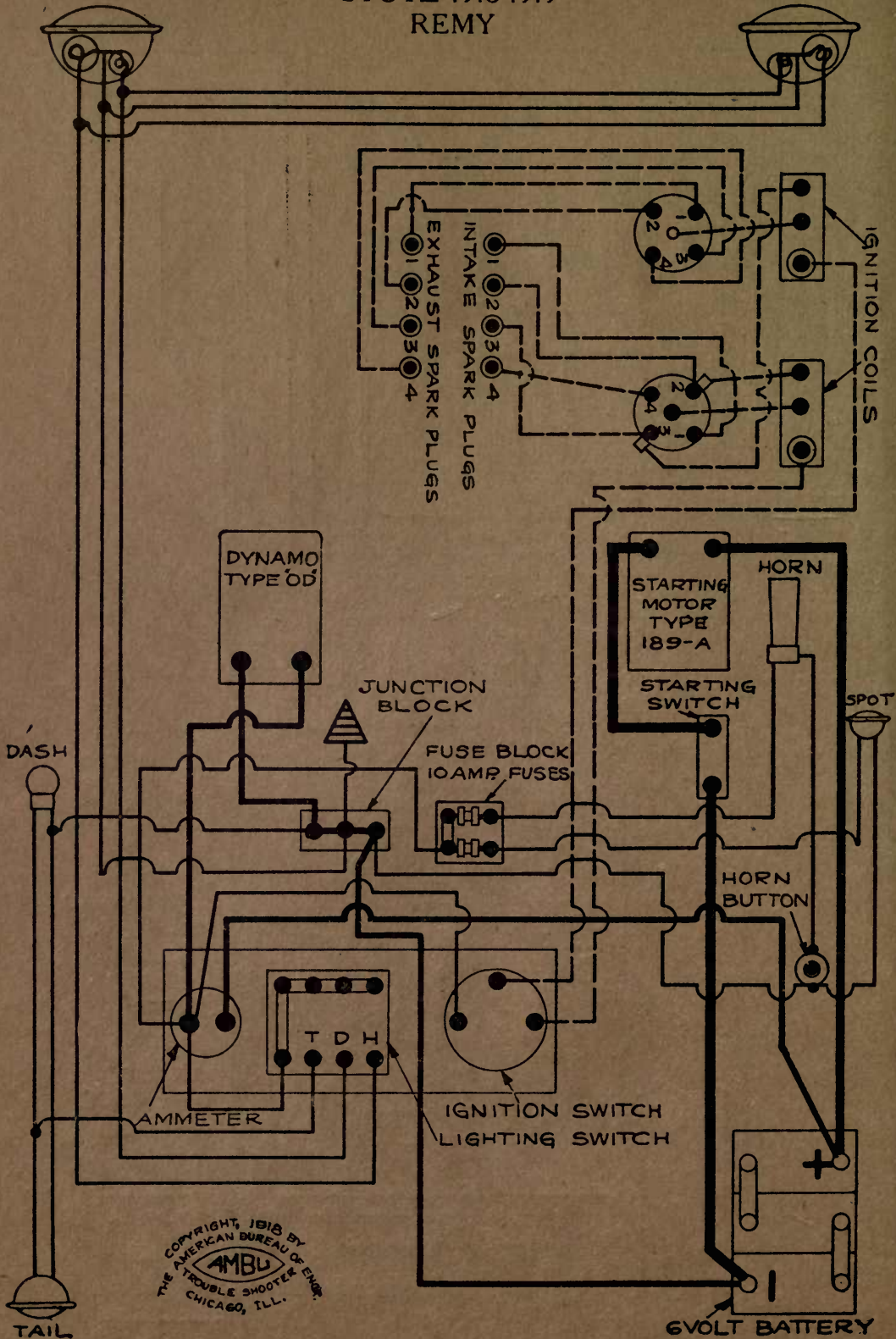
HD. LAMP STUDEBAKER -4&6CYL. 1918&19 HD. LAMP
WAGNER



HD. LAMP

STUTZ 1918-1919 REMY

HD. LAMP

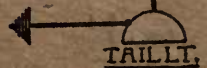
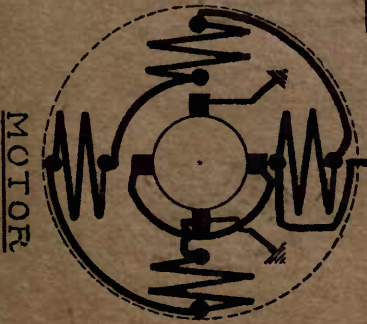
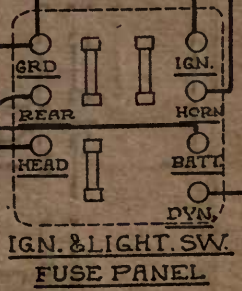
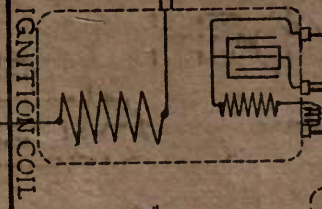
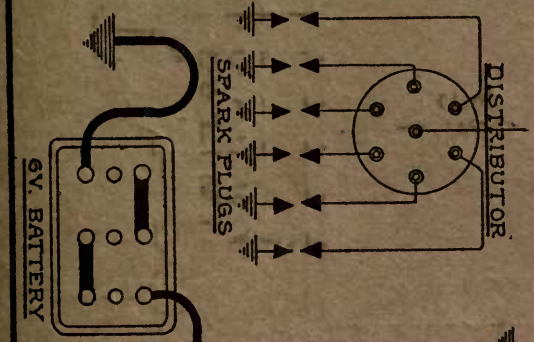
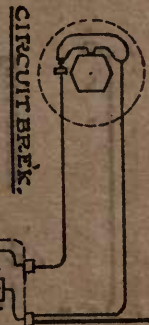
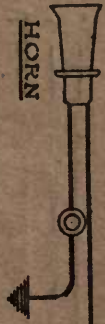
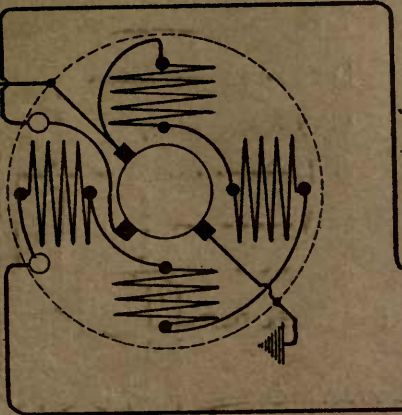
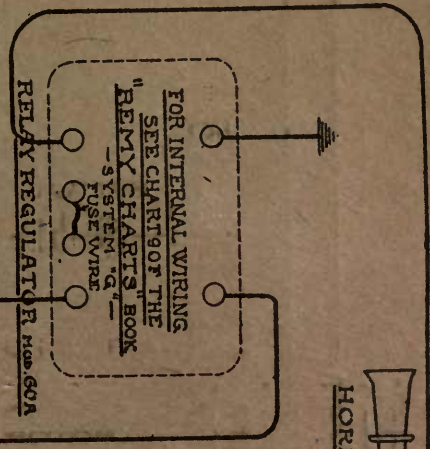
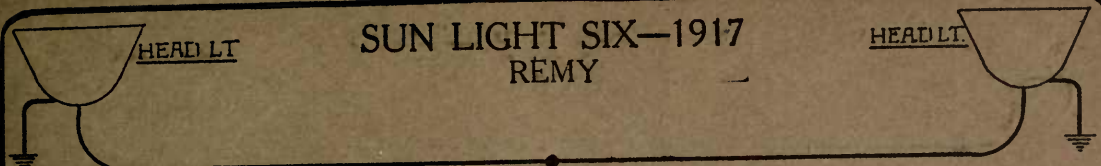


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
AMBU
 THE TROUBLE SHOOTER
 CHICAGO, ILL.

HEAD LT.

SUN LIGHT SIX—1917 REMY

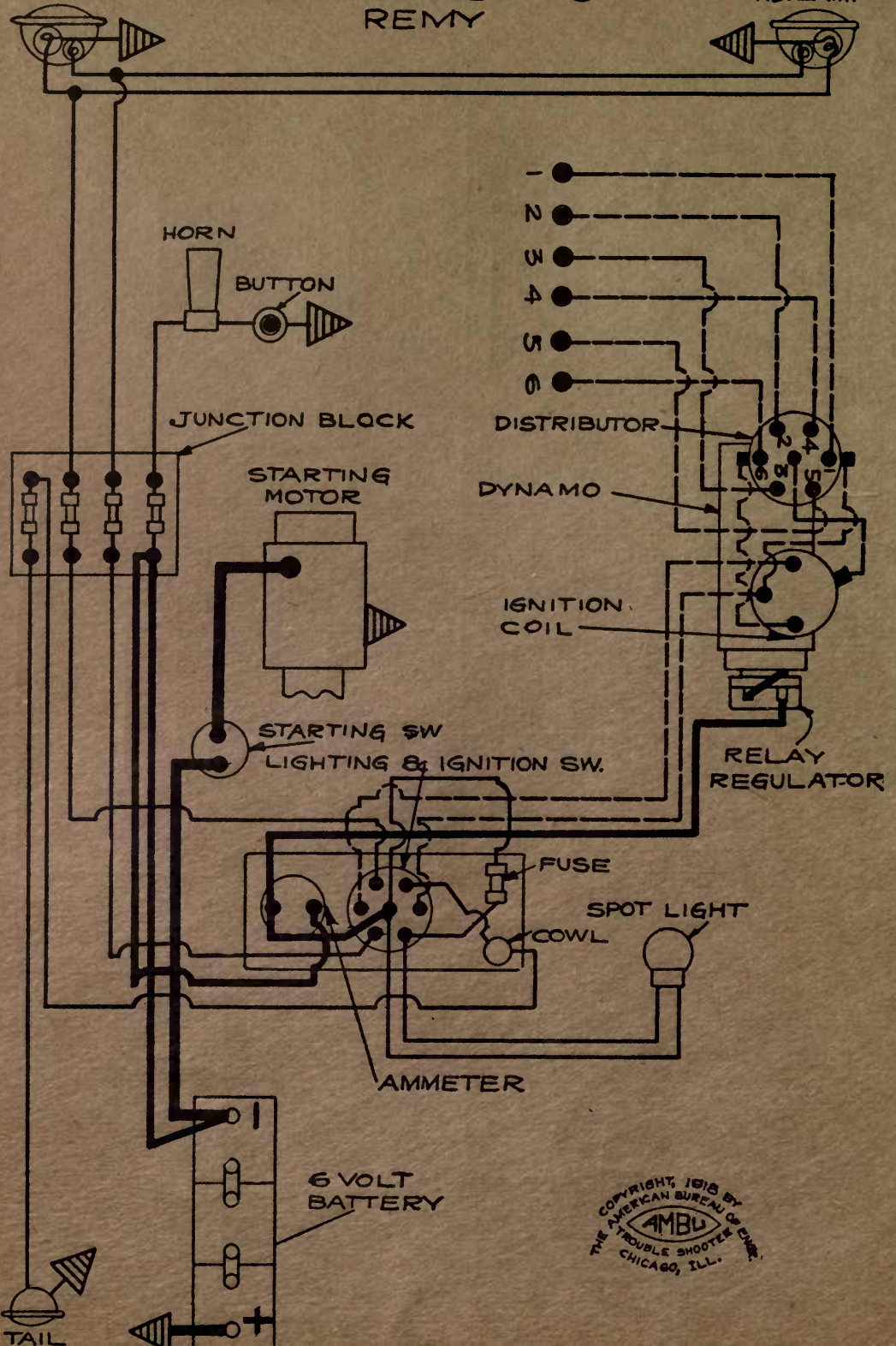
HEAD LT.



H.D. LAMP

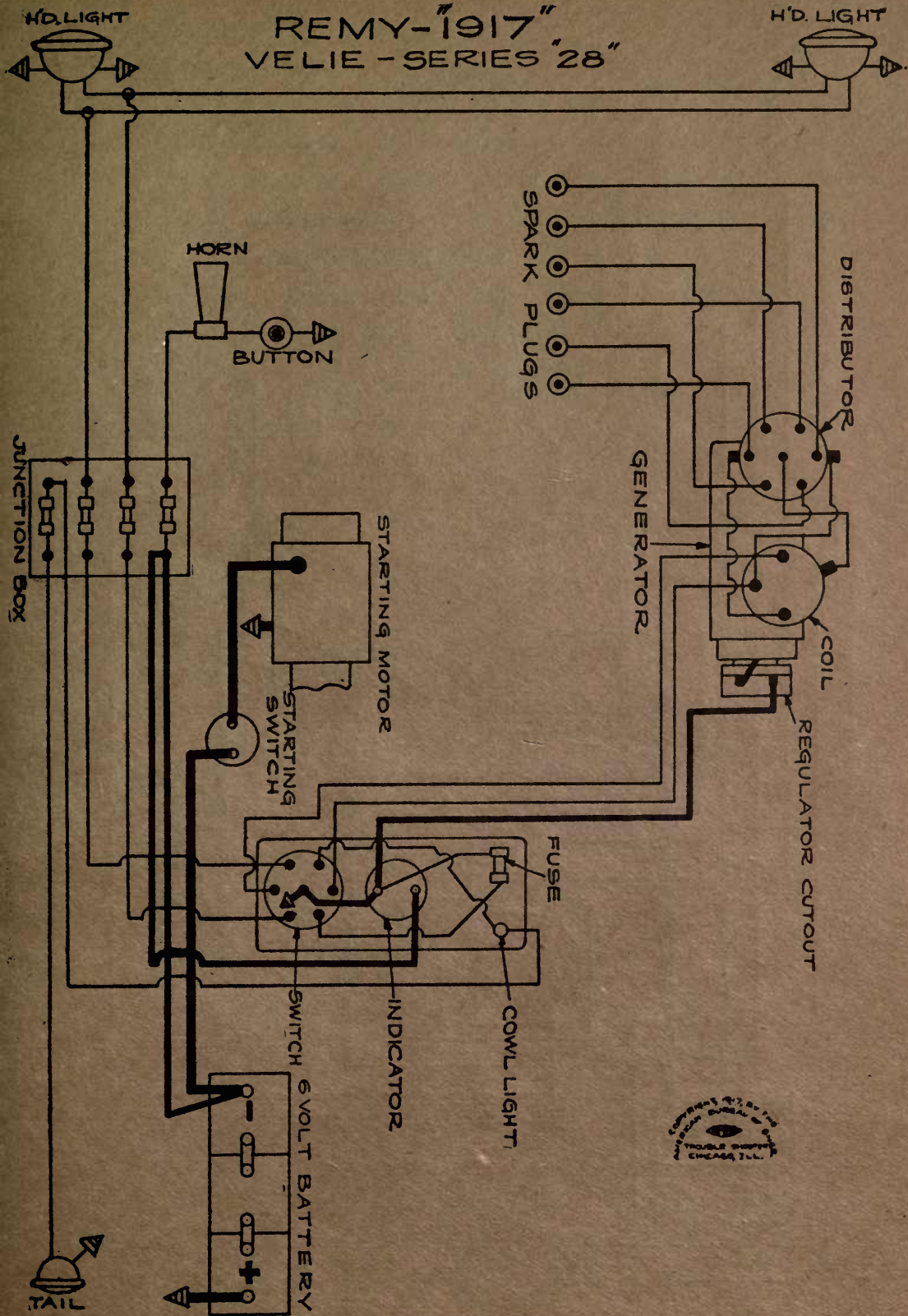
VELIE - MOD. "27" - 1917 REMY

H.D. LAMP



COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF ENGINEERING
 CHICAGO, ILL.
AMBU
 THE TROUBLE SHOOTER

REMY-1917" VELIE - SERIES "28"

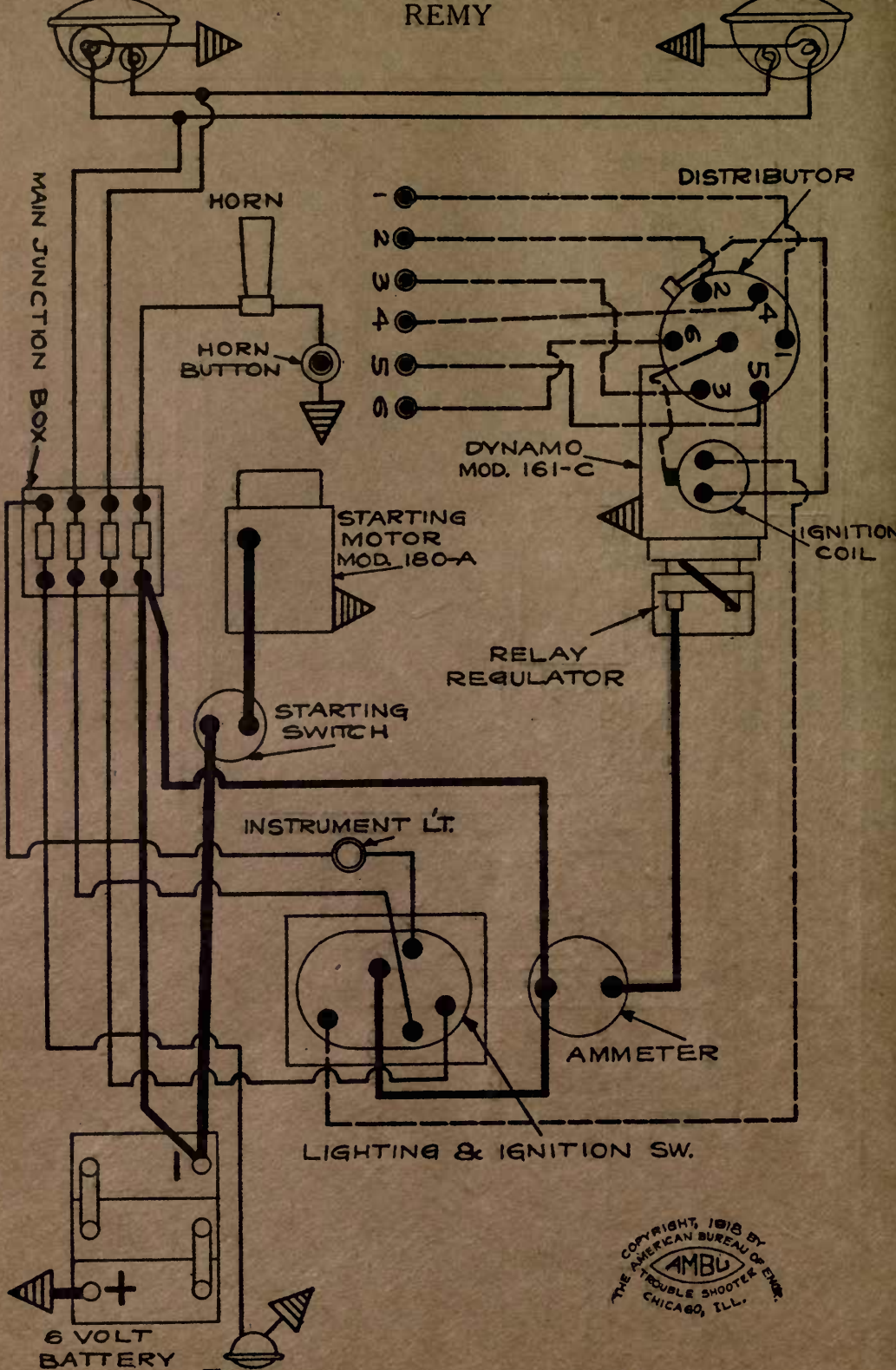


Copyright © 1917 by the
Remy Manufacturing Co.
CHICAGO, ILL.

H.D. LAMP

VELIE "38-39" 1918-1919 REMY

H.D. LAMP

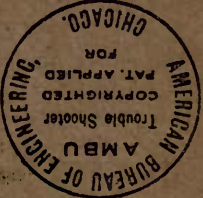
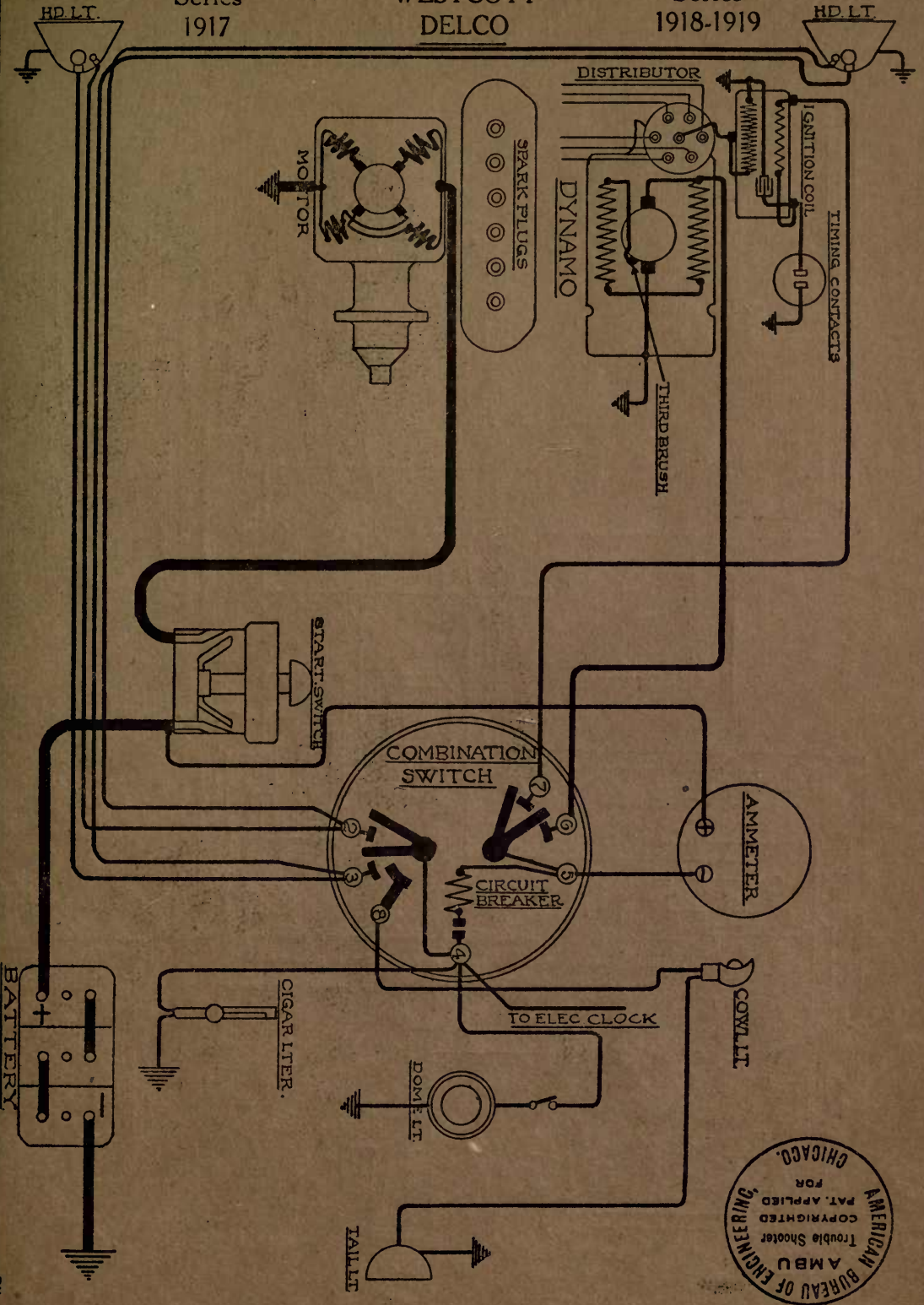


COPYRIGHT, 1918 BY
 THE AMERICAN BUREAU OF EXHIB.
 THE AMBU
 TROUBLE SHOOTER EXHIB.
 CHICAGO, ILL.

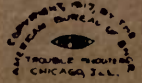
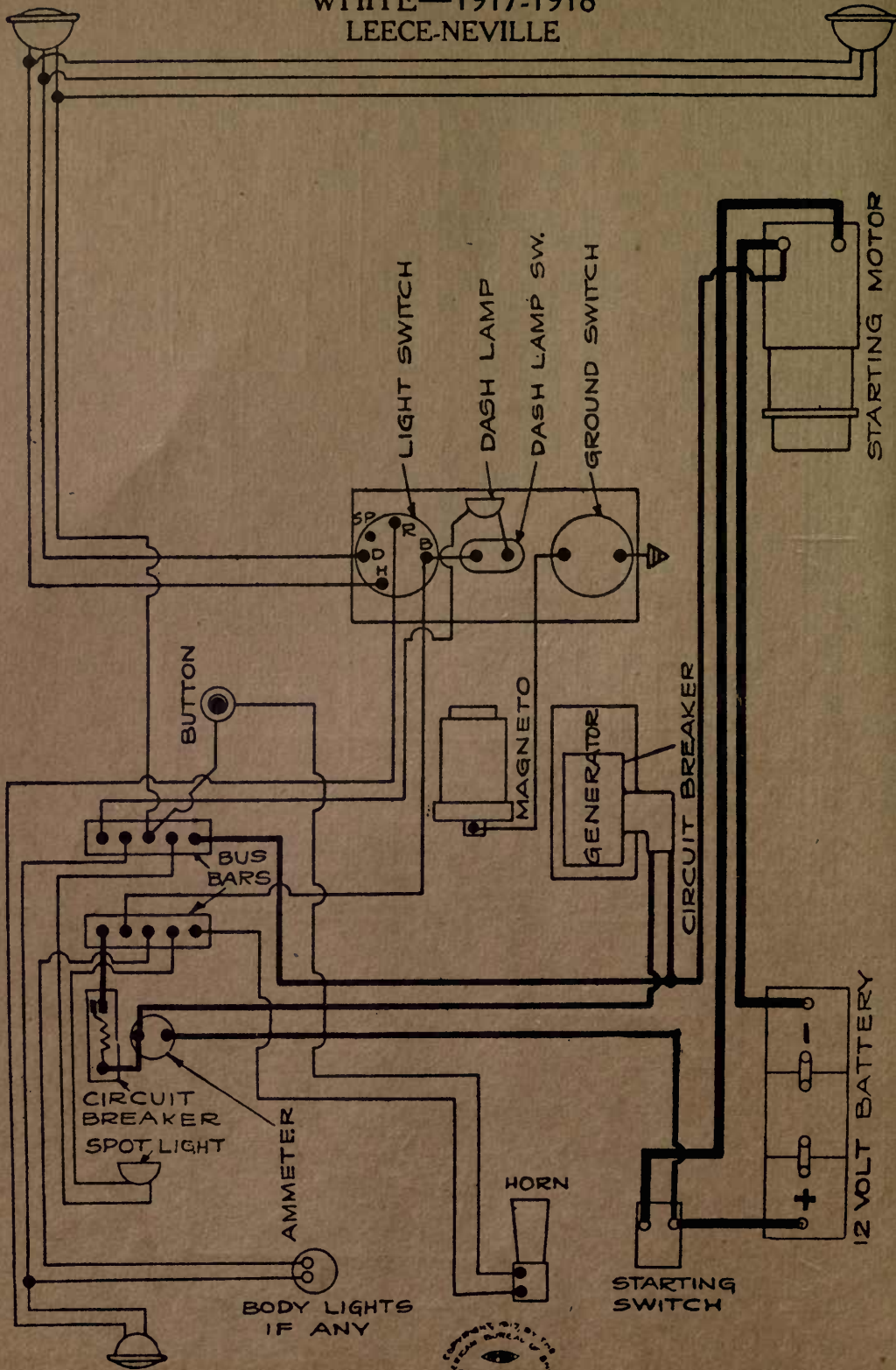
Series
1917

WESTCOTT
DELCO

Series
1918-1919

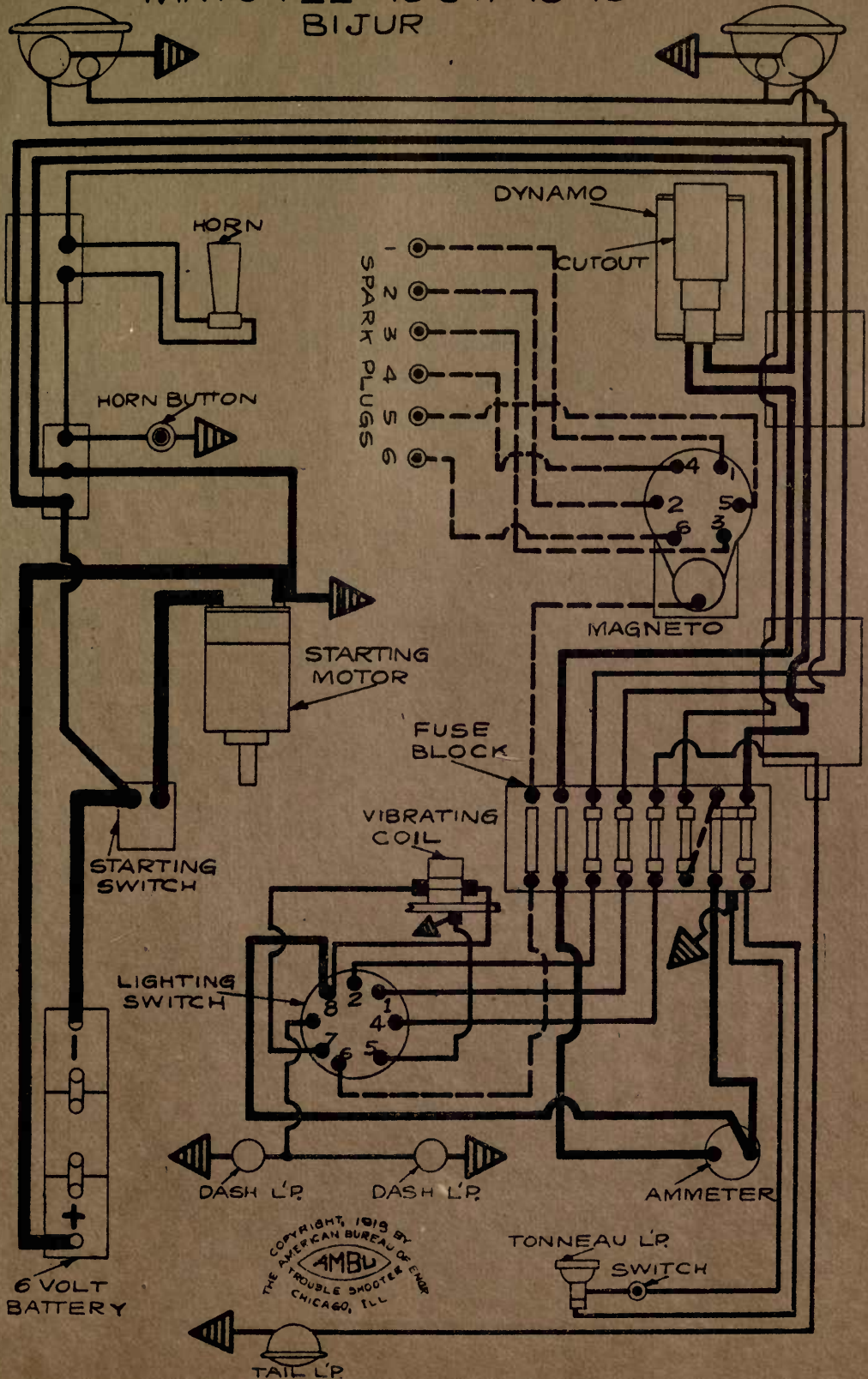


WHITE—1917-1918
LEECE-NEVILLE



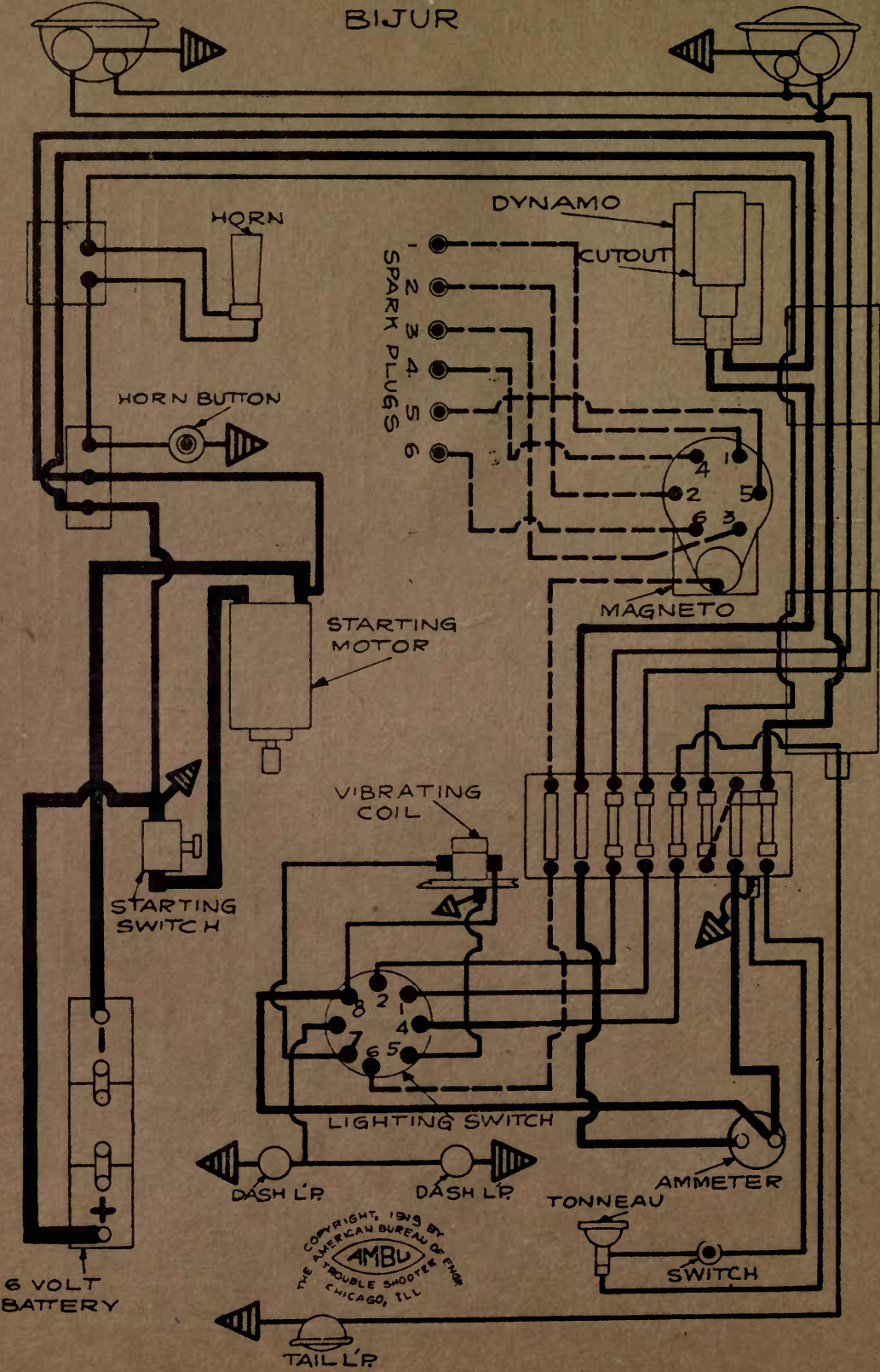
HD. LAMP WINTON "22" - 1916-17-18-19
BIJUR

HD. LAMP



AMBU
THE TROUBLE SHOOTER
CHICAGO, ILL.

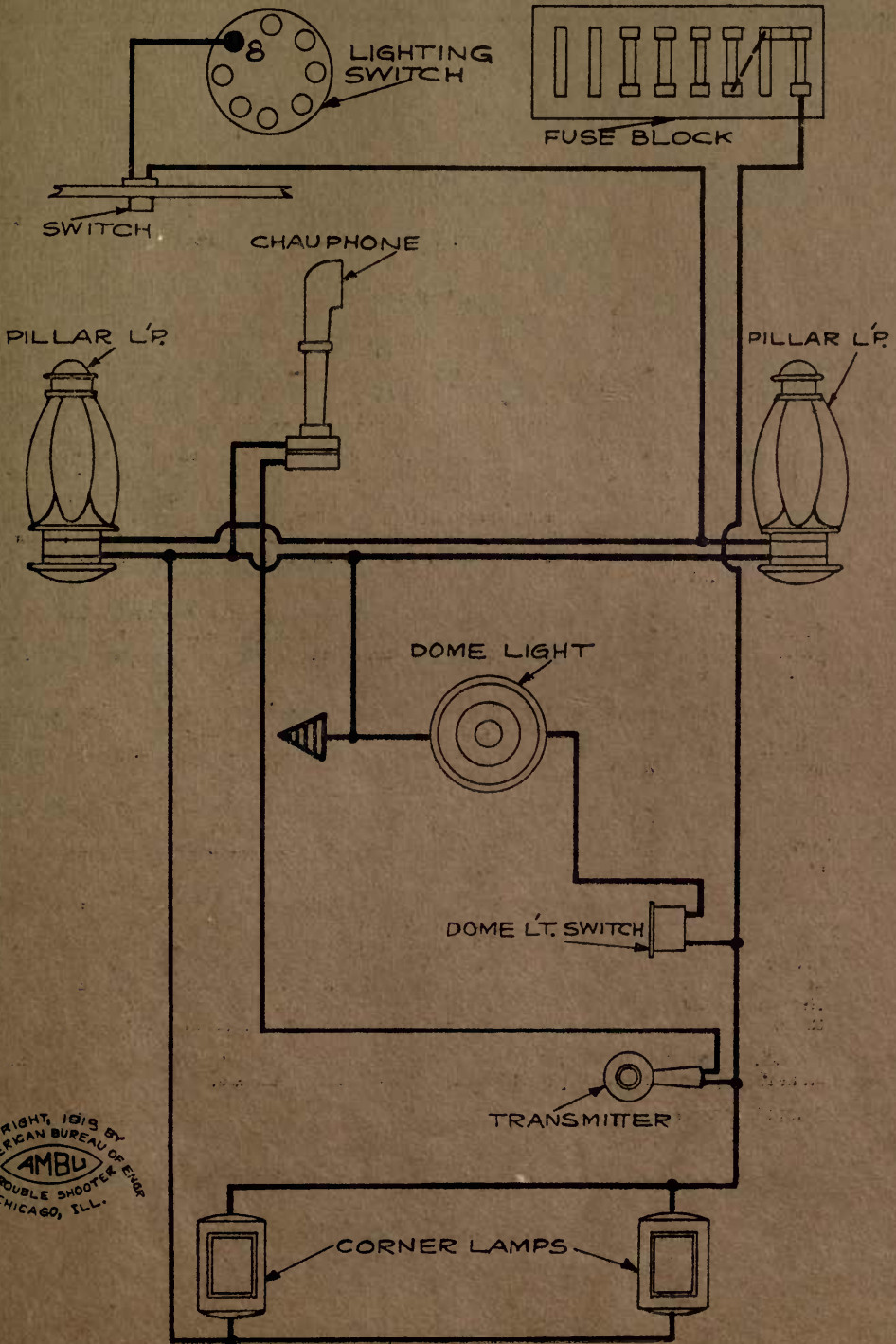
HD. LAMP WINTON '22A' - 1916-1917-1918-1919 HD. LAMP
BIJUR



COPYRIGHT, 1919 BY
THE AMERICAN BUREAU OF ENGINEERING
AMBU
TROUBLE SHOOTERS
CHICAGO, ILL.

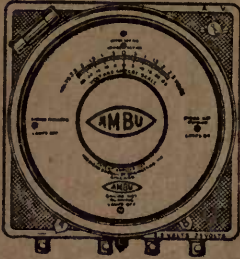
WINTON MOD. 22 & 22A - 1916-1917-1918-1919

BODY WIRING FOR LIMOUSINE



COPYRIGHT, 1915 BY
THE AMERICAN BUREAU OF EXPERT
AMBU
TROUBLE SHOOTERS
CHICAGO, ILL.

Trouble Shooter



The **AMBU** TROUBLE SHOOTER consists of three main parts, forming a complete and invaluable system for quickly diagnosing and locating any trouble in the Electric Starting and Lighting Systems of all American made Automobiles.

These parts are:

(1) **The Ambu Instrument.** This is a combined ammeter and voltmeter which has a special patented set of movable dials by which trouble is quickly diagnosed. This instrument may also be used as an ordinary ammeter or voltmeter. The ammeter has three scale readings 1-0-5; 5-0-25; 100-0-500. The voltmeter readings 0.3-0.3; 3-0-30; 15-0-150. It is of a very rugged construction designed for use in the repair shop.

(2) **Instruction Charts.** Tells you the location of every unit. Fourteen volumes of a convenient size, containing over 3000 pages of accurate, systematized instructions for quickly finding trouble; over 200 wiring diagrams, showing exact internal connections of generators, motors, regulators, cutouts, etc.; lamp equipment tables; battery equipment tables; and complete descriptions of construction and design of the various makes of generators and motors, including a 150 page book giving complete information on the new F. A. starting and lighting equipment on Ford cars.

(3) **Over 700 Wiring Diagrams,** showing the complete external connections of the Starting, Lighting and Ignition circuits on cars made in the United States since 1911. All parts are placed in the same relative positions they occupy on the cars, and are clearly labeled and explained.

In addition to these three main parts, there is also a 300 page book telling all about automobile batteries, their theory maintenance and manufacture, and giving complete and practical instructions for making any repairs, charging, etc. This book is profusely illustrated by especially made drawings and photographs.

A set of Cadmium Test leads is also included; also a twelve chapter clearly written and easily understood course of Ignition, Starting and Lighting; a complete set of suggestions for advertising your shop in local newspapers, with the loan of cuts and illustrations; and expert consultation on any electrical subject.

Ambu is as Essential to You as An Engine Is to An Automobile. The claim made by Ambu is that it is the repairmen's best friend. There is indisputable evidence to prove that this claim is correct. Men who have installed the AMBU TROUBLE SHOOTER Service in their shops, say they could not handle half the jobs they do now if they did not have it. Not only do they get the trade which comes from those who need efficient electrical repair service, but they are also able to make many hundreds of dollars through the sale of accessories to the car owners with whom they are brought into contact by AMBU.

If you want to be able to handle any electrical repair job, if you want to make more money and greater profit, get the AMBU plan, become an AMBU man.

Complete Trouble Shooter.....Price on request

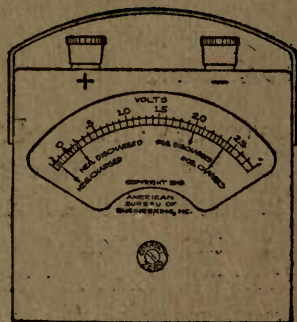
American Bureau of Engineering, Inc.

Automobile Department

1603 S. Michigan Avenue

Chicago, Ill.

BUSINESS BUILDING PRODUCTS



Cadmium Voltmeter

In order to make accurate Cadmium Tests, you must have a fine reading voltmeter. Most ordinary voltmeters are not suitable for this purpose, and to get a voltmeter of sufficient accuracy, you usually pay from \$50.00 to \$100.00.

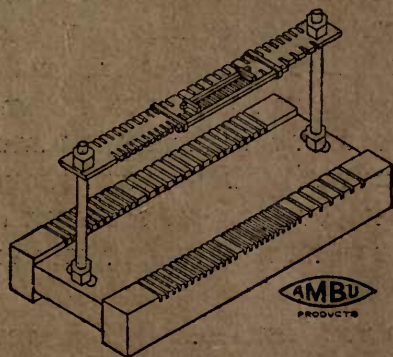
The AMBU CADMIUM VOLTMETER is made especially for Cadmium Tests, and is therefore absolutely certain to give you accurate results.

A complete instruction book for making Cadmium Tests, goes with each instrument.

Voltmeter only.....	\$22.50
Voltmeter with Cadmium Leads.....	\$25.00

Your jobber can supply you now. If not write direct.

Plate Burning Racks



When you burn-in new plates, or attach a whole group of plates to a plate strap, you need a burning rack to hold the plates in position while the lead is melted in.

WHAT THEY ARE. The Ambu Plate Burning Racks have guiding slots cut in the base as well as in the iron bar, or "comb." In this way the plates are held at exactly the right distance apart both at the top and bottom. Bases are made of hardwood. The small rack will take care of practically all $\frac{1}{8}$ inch plates made by Willard, Gould, Philadelphia, and U. S. L. It will also accommodate all thin plates such as the Exide 3XC, Willard, and Gould. The large rack will take care of many other types, being designed to accommodate fully 95 per cent of all the types of plates which are made at present.

Special iron fittings are furnished which are placed around the plate lugs on the comb so as to hold the plates firmly in position, and to prevent the hot lead from running off.

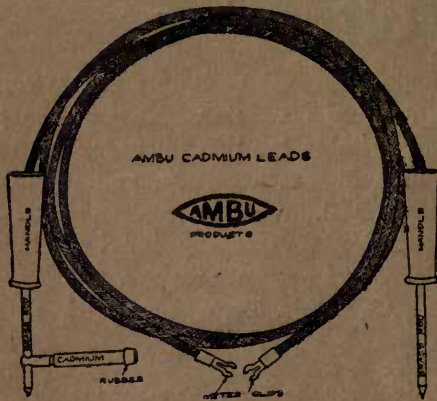
WHAT IT DOES. Enables you to burn-in plates in half the time required when using the ordinary rack. Plates are held at exactly the correct distance apart. The hot lead cannot run off. No iron touches the bottoms of the wet plates.


Shipping weight of small rack, 10 lbs. Shipping weight of large rack, 15 lbs.

Price of small rack.....	\$ 7.50
Price of large rack.....	12.50


F. O. B. Chicago. Order through your jobber or direct.

Cadmium Leads



How often you have said, "If I only had some way of knowing which set of plates is in a bad condition, without first opening up the whole battery!" That is precisely what you can do with the  CADMIUM LEADS. These Cadmium Leads consist of two heavily insulated flexible wires, each four feet long, at one end of which are brass prods with wooden handles, and at the other

end of which are forked terminals for attaching to the voltmeter. Fastened at right angles to one of the brass prods is a rod of chemically pure cadmium.

With these  CADMIUM LEADS you can make absolutely reliable tests in a few moments, and you must have the means to make such tests if you want to know whether each set of plates is functioning properly, and able to give good service while under load. The Cadmium Test will show up a poor set of plates, be they positive or negative plates, instantly. No battery should be taken off the charging bench, or sent out of your shop until a Cadmium Test shows that both positive and negative plates are fully charged and ready to give good service.

Give this matter your immediate consideration. Order now. Can be used with any voltmeter that has readings as fine as five hundredths volts.

CADMIUM LEADS.....Per pair **\$3.25**

Complete, easily understood instructions furnished with each pair of leads

Order through your Jobber or direct.

BUSINESS BUILDING PRODUCTS

Burning Lead Mold

Here's a convenient, inexpensive lead mold which will be quite welcome to you in these days of conservation. Every battery shop has an accumulation of scrap lead from post drillings, old connecting straps, and old plates.




BURNING LEAD MOLD

F. O. B. Chicago.
Order through your
Jobber or direct.

Such scrap makes good burning lead, and should be saved until enough has accumulated to be melted and poured off in molds.

The **AMBU BURNING LEAD MOLD** is made of heavy sheet iron, diestamped into six slots into which the lead is poured. The mold gives very handy sized bars for lead burning. The slotted iron is mounted on a strong wooden base which has a handle at one end, making it possible to handle the mold when full of hot lead. A sheet of asbestos protects the wooden base from the heat of the melted lead.

The sheet-iron construction absorbs very little heat, making it easy to pour the lead. This is a decided advantage over a cast-iron mold, which absorbs so much heat that the lead cools quickly and is hard to pour.

Price, each	\$1.75
Price, per pair	\$3.25



Battery Turn Table

When you once lift a battery up on the work bench, you do not want to move it around any more than necessary. It is too heavy for easy handling. Yet in lead burning, sealing, repairing the handles, repairing the case, or painting the case, you often must be able to get at all sides of the battery.

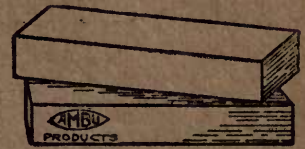
To eliminate the back-breaking lifting and turning around of the battery, the **AMBU BATTERY TURNTABLE** was designed. Every battery man should have at least one of these handy turntables. A battery on this turntable can be turned around with one finger.

The turntable is not fastened to the work bench, and may be taken to the battery, instead of carrying the heavy battery to it.

It is made of well-seasoned hardwood, is ball bearing, and will last for years.

Price, each	\$4.00
-------------------	--------

F. O. B. Chicago. Your Jobber can supply you now. If not, write to us direct.



BATTERY TURN TABLE

BUSINESS BUILDING PRODUCTS



Battery Carrier

“Carry a Battery Like a Suitcase.”



You would not think of carrying a heavy suitcase by holding it in front of you with both hands. Yet that is the way a battery is generally carried, not because it is heavy, but because of the way the handles are attached to the battery box.

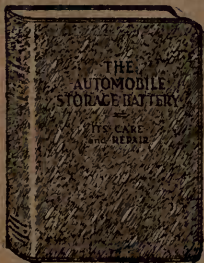
WHAT IT IS. The Ambu Battery Carrier consists of a stout hardwood handle having a swinging steel arm at each end to which is attached a strong steel hook for engaging the handles on the battery box.

WHAT IT DOES. The construction is such that the terrific strain on the handles of the battery is lessened to a minimum. A strap with hooks should never be used, because there is a side pull that soon causes the handles on the battery to give way. Enables you to carry a battery like a suitcase, with the least strain on your arms. One man can carry two batteries at once because he can hold them down at his side. Also useful in lifting a battery out of the car, and putting the battery back in the car. Shipping weight, 1 lb. each, or 2 lbs. per pair.

Price, each.....\$1.75
 Price, per pair..... 3.25

The Automobile Storage Battery

Its Care and Repair



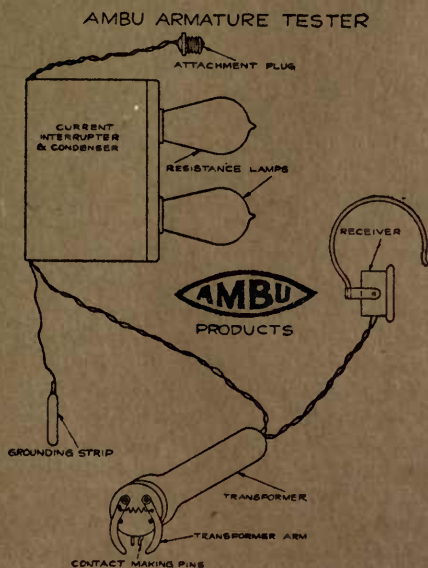
A 300-page book devoted entirely to starting and lighting batteries. Gives theory, manufacture, and maintenance. Complete instructions on running a battery shop, tools needed, shop equipment, charging methods, opening batteries, work on plates, jars, case. Profusely illustrated with especially made etchings and half tones. The most complete and authoritative book on the subject.

Price\$5.00

F. O. B. Chicago. Order through your jobber or direct.

BUSINESS BUILDING PRODUCTS

Armature Tester



This is an accurate, positive device for quickly detecting and accurately locating open circuits, short-circuits, grounds, and reversed commutator connectors on the armatures of motors or generators which are equipped with commutators.

Will Test Any Sized Armature.

Any sized armature, no matter how small or large, no matter what its resistance, may be tested with equal facility. No connections are made to the armature, and the armature need not be removed from the machine if it is possible to get at the commutator.

May Be Used on Any A. C. or D. C. Circuit.

The AMBU ARMATURE TESTER may be used on any direct or alternating current circuit, and on any voltage from 6 to 220. No change or adjustment is necessary in changing from a direct to an alternating, or from

alternating to direct, current circuit. For the various-voltages, it is only necessary to use lamps of the proper voltage or no lamps at all, as the case may be.

Construction Is Very Simple.

Current from the supply circuit is led through a current interrupter, which is bridged by a condenser. This current is sent into each consecutive pair of segments through the Contact Making Pins shown in the illustration. The two Transformer Arms shown in the illustration touch the commutator also, and lead to the telephone receiver circuit through a specially designed transformer coil.

Indications Are Positive.

The variation in the sound heard in the receiver tells what the nature of the trouble is, and just where it is. In making a test, the contact making pins are brought down on each pair of consecutive segments, the Transformer arms resting on the commutator several segments on either side of the contact making pins.

This testing is all done with one hand. An open circuit is indicated by a sudden and marked louder sound, a short-circuit by a sudden and marked dimmer sound, reversed commutator connections by louder sounds on every second pair of segments as long as they last. Grounds are located by testing between each segment and the armature core or shaft. The segment which is nearest the grounded point of the winding is indicated by a sudden dimming of the sound in the receiver.

THE AMBU ARMATURE TESTER has been in daily use in a large armature repair shop for over three years, and has been given a thorough and severe tryout. There is nothing to get out of order, no delicate or adjustable parts.

The entire outfit weighs less than seven pounds, and may easily be carried about.

Price each.....\$30.00

F. O. B. Chicago. Your Jobber can supply you now, or order direct.

Battery Plate Press



The most common fault of negative battery plates is the bulging out of the active material caused by the formation of lead sulphate as the battery discharges. This active material must be pressed back flush with the grids if the battery is to give good service again. Moreover, both positive and negative plates become bent out of shape, and buckled, and must be straightened.

Many battery men use an ordinary iron bench vise, for this purpose, but this is a poor practice. The iron vise soon becomes corroded and rusted from the acid squeezed out of the plates. It also becomes stiff and hard to operate. Moreover, there is always danger that particles of iron will get on the plates from the vise, and iron is the worst enemy of battery plates, because it

causes the battery to lose its charge quickly and it is almost impossible to remove this iron.

The **AMBU BATTERY PLATE PRESS** is designed to do away with all the disadvantages of the iron vise. Three sets of plates may be pressed at once between the large wooden jaws. No iron or any other metal can touch the plates. The upper jaw is movable and is operated by a large hand-wheel. No acid can drip on the operating screw.

A trough is placed so as to catch the acid squeezed from the plates, thus eliminating the rotted, acid soaked floor which results from the use of the iron bench vise, and which ruins shoes and clothes.

Fittings with instructions are furnished with the Press for mounting it on the wall of the shop. The press may also be mounted on a stand, which is not, however, furnished with the Press. This stand can be easily made.

The lower jaw is removable, and may be lifted out and replaced if it becomes acid soaked. All parts are coated with acid-proof paint.

A complete set of transite boards of the proper thickness for placing between the plates are included in the cost price.

Price, with transite boards, and fittings, for mounting on wall.....\$32.50
 Transite Boards only—set complete..... 5.90

F. O. B. Chicago. Order through your Jobber, or direct from us.

American Bureau of Engineering, Inc.
Automobile Department

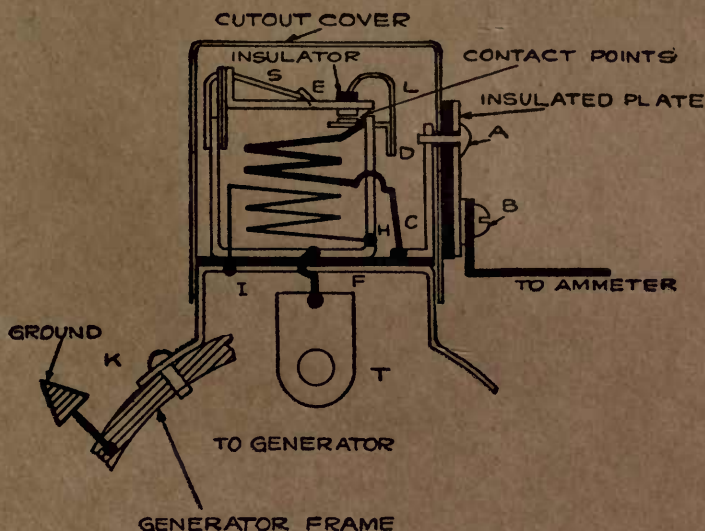
1603 S. Michigan Avenue

Chicago, Ill., U. S. A.

BUSINESS BUILDING PRODUCTS

THE FORD STANDARD ELECTRICAL EQUIPMENT

This is one of the 47 illustrations showing details of Ford starting and lighting system.



INTERNAL CONNECTIONS OF CUT-OUT MOUNTED ON GENERATOR

This book of 150 pages gives in detail everything about the new Ford Electrical equipment, including starting and lighting, battery and ignition. It is highly illustrated with 47 photos, written for the every-day man in easily understood English. Describes the construction and installation of the F-A system—now standard equipment on Fords. Also complete instruction on how to locate and correct starting and lighting troubles. Ford ignition with tests fully given. No man attempting to handle electrical repairs on Ford cars should be without this book. Bound in leather.

Price - - - - - \$2.50

BUSINESS BUILDING PRODUCTS

Battery Steamer and Still

BATTERY STEAMER AND CONDENSER.

Softens Battery Compound Within Fifteen Minutes. Will Give 5 1/2 Gallons Distilled Water in 7 Hours.

You can easily open any battery without the use of a gas flame or blow torch with an **AMBU BATTERY STEAMER**. And while the Steamer is working away, softening the sealing compound, the repairman does some other work. From five to thirty minutes and the sealing compound is so soft that it can easily be removed with the point of a screw driver, and this will take only five minutes, because of the thorough job done by the steamer.



Steamer Cuts Dirt and Grease.

Another big advantage of the steamer is that the steam cuts all the dirt and grease on the battery box so that it can be wiped off with a cloth, making the box look like new.

Needs No Attention After Stove Is Lighted.

In the average battery shop the water supply tank needs to be filled but once a day. After that the stove is lighted and the entire steaming apparatus requires absolutely no attention. The level of the water in the boiler is automatically maintained at one inch. An automatic, float-controlled valve keeps the water at this level and admits just enough water to replace that which boils away. This is a tremendous advantage, as steam is quickly obtained, and a weaker flame may be used to boil the water.

The condenser is made of copper block, tin lined and needs only to be connected with running water for cooling purposes.

When used with the condenser—see illustration—it will give five and one-half gallons distilled water in seven hours.

Water tank, boiler, steaming box and condenser.....	\$35.00
Water tank, boiler, steaming box without condenser.....	25.00
Condenser only	12.50
Steaming box only	\$12.50

F. O. B. Chicago. Order through your jobber or direct.

LIST OF WIRING DIAGRAMS IN STOCK

The following list of wiring diagrams are obtainable from your jobber—or the American Bureau of Engineering, 1601-03 South Michigan Avenue, Chicago—at 25 cents each. When placing order be sure to mention the diagram number as well as model and make of car.

Drawing Number	Name of Car	Year	Model	System
201	Abbott-Detroit	1913-1914	.....	Autolite
202	Abbott-Detroit	1916	"8"	Autolite
203	Abbott-Detroit	1916-1917	6-44	Remy
204	Ahrens Fox Fire Engine.....	.....	.....	Delco
205	Allen	1914	.....	Autolite
206	Allen	1914-1915	.....	Westinghouse
207	Allen—Dimmer Bulbs	1916	.....	Westinghouse
208	Allen—Resistance Dimmer... ..	1916	First 375 cars	Westinghouse
209	Allen—Resistance Dimmer... ..	1916	37	Westinghouse
210	Allen	1917	37	Westinghouse
211	Allen	1918-1919	41	Autolite
212	Alter	1916	.....	Remy
213	American	1914	.....	Disco
214	American	1918	6-"B"	Gray & Davis
234	American	1919	B	Westinghouse
215	Apperson	1913	45-55	Gray & Davis
216	Apperson	1914	.....	Bijur
217	Apperson	1915	"4"- "6"	Bijur
218	Apperson	1916	"6-48" "8-53"	Westinghouse
219	Apperson	1916	6-16 8-16	Bijur
220	Apperson	1917	6-17 8-17	Bijur
221	Apperson	1916	6-48 8-58	Bijur
222	Apperson	1917	6-17 8-17	Bijur
223	Apperson	1918-1919	"8-18A"	Bijur
225	Apperson	1913	45-55	Gray & Davis
224	Auburn	1913	.....	Apico
225	Auburn	1915	.....	Remy
226	Auburn	1915	"4-36"	Remy
227	Auburn	1915	"6"	Delco
228	Auburn	1916	"4-38" "6-38"	Remy
229	Auburn—"Union"	1916	.....	Autolite
230	Auburn—Internal	1917-1918	6-39	Remy
231	Auburn	1917-18-19	6-39	Remy
232	Auburn	1917-1918	6-44	Delco
233	Austin	1917-1918	12 cyl.	Delco
401	Bell	1916	"16"	Disco
416	Bosch Magneto Dynamo.....	.....	G3N4	.....
417	Bosch Magneto Dynamo.....	.....	G4-Ed1	.....
418	Bosch Magneto Dynamo.....	.....	G4-Ed2	.....
402	Briscoe	1915	.....	Splitdorf-Apelco
403	Briscoe	1916	.....	Splitdorf-Apelco
404	Briscoe	1916	4-38	Splitdorf
405	Briscoe	1916	8-38	Splitdorf
406	Briscoe	1917	24	Splitdorf-Apelco
407	Briscoe	1917-18-19	4-24	Autolite
408	Buick	1914	86-87	Delco
409	Buick	1914	"54-55"	Delco
410	Buick	1915	86-84	Delco
411	Buick	1916	"D44" "D45"	Delco
412	Buick, Truck .....	.....	"C-4"	Delco
413	Buick	1918	E4, E34, E35	Delco
414	Buick	1918	E44, 45, 46, 47, 49, 50	Delco
415	Bush	1918	.....	Dyneto
601	Cadillac	1912	.....	Delco
602	Cadillac	1914	.....	Delco
603	Cadillac—Type 53.....	1916	"8"	Delco
604	Cadillac	1917-18-19	55-57	Delco
605	Carter car	1915	"9"	Delco
606	Case	1913	"N"	Westinghouse
607	Case	1914	.....	Westinghouse
608	Case	1914	"35"	Westinghouse
609	Case	1915	"25"	Westinghouse
610	Case	1916	"T"	Westinghouse
611	Case	1917	"T17"	Autolite
612	Case	1918-1919	U18	Westinghouse
613	Chalmers .....	.....	30	Entz
614	Chalmers	1913-1914	"17"-"18"-"19"	Gray & Davis
615	Chalmers	1914	"24"	Entz
616	Chalmers	1915	"26"	Entz
617	Chalmers—Master Six.....	1915	"29"	Entz
618	Chalmers	1916	"32" and "6-40"	Gray & Davis
619	Chalmers—After 1st 3000 cars .....	.....	32B	Gray & Davis
620	Chalmers	1916	"35"	Westinghouse
621	Chalmers	1916	35A	Autolite
622	Chalmers	1917	35	Westinghouse
623	Chandler	1913	.....	Westinghouse
624	Chandler	1915	.....	Westinghouse
625	Chandler	1915	.....	Gray & Davis
626	Chandler	1916	.....	Westinghouse

LIST OF WIRING DIAGRAMS IN STOCK—Continued

Drawing Number	Name of Car	Year	Model	System
627	Chandler	1916-1917	.....	Gray & Davis
628	Chandler	1918	.....	Gray & Davis
629	Chevrolet, First Models.....	1915	.....	Autolite
630	Chevrolet, Late Models.....	1915	.....	Autolite
631	Chevrolet	1915	"H2" "H2½" "H4"	Autolite
632	Chevrolet, with armored cable	1915	"H2" "H2½" "H4"	Autolite
633	Chevrolet	1916	"4-90"	Autolite
634	Chevrolet	1916	"H2½" "H4"	Autolite
635	Chevrolet	1917-1918	490	Autolite
636	Chevrolet, First 1000 cars....	1918	"D" 8 cyl.	Autolite
637	Chevrolet, used on Cars after 1000 Jobs.....	1918-1919	"D" 8 cyl.	Autolite
638	Chevrolet, used on first 7925 Cars	1917-1918	"F-A"	Autolite
639	Chevrolet	1918-1919	1 Ton Truck	Autolite
659	Chevrolet, used after 7925 cars	1918-1919	"FA"	Autolite
660	Chevrolet	1919	"FB"	Autolite
661	Chevrolet	1919	490	Autolite
640	Cole	1913	.....	Delco
641	Cole	1914	.....	Delco
642	Cole, External	1915	"6-50"	Delco
643	Cole	1916-17-18	8 cyl.	Delco
662	Cole—Aero Eight.....	1918-1919	"870"	Delco
644	Columbia	1917-18-19	.....	Robbins & Meyers
645	Commonwealth	1918	Ultra 4-40	Dyneto
646	Corbitt-Michigan, 16 Volt....	1913-1914	.....	North East
647	Crane Simplex	1916	.....	Rushmore
648	Crawford	1915	.....	Westinghouse
649	Crawford	1916	.....	Westinghouse
650	Crow	1915	"4"	Remy
651	Crow-Elkhart	1916	CE30-33	Disco
652	Crow-Elkhart	1916	.....	Dyneto
653	Crow-Elkhart	1917-1918	.....	Dyneto
654	Cunningham—Pleasure Car..	1913-1914	"M"	North East
655	Cunningham, Hearse & Am- bulance	1913-1914	.....	North East
656	Cunningham .....	.....	"R"	Gray & Davis
657	Cunningham	1917-1918	"V"	Westinghouse
658	Cunningham	1917-1918	V—2nd Series	Westinghouse
663	Cunningham	1919	V3	Westinghouse
801	Daniels	1917	8	Westinghouse
802	Daniels	1918	"8"	Westinghouse
803	Dart Truck	1916	"B" and "C"	Westinghouse
804	Dart Truck	1916	"D"	Disco
305	Davis Motorcycle.....	.....	.....	Splitdorf
806	Davis	1917-18-19	6-J	Delco
807	Davis	1917-18-19	6H, 6I, 6K	Delco
808	Denby Motor Truck.....	1918	.....	Bljur
809	Denneen Truck	1917	.....	Splitdorf-Aplco
810	Detroit	1915	"4"	Remy
811	Detroit	1915	"8"	Remy
812	Detroit	1916	"4"	Remy
813	Detroit	1916	.....	Remy
814	Dixie Cars to No. 2200 and "Old Hickory Trucks".....	1916-17-18	.....	Dyneto
815	Dixie Flyer 2200 and above....	1916-1917	.....	Dyneto
831	Dixie Flyer, Cars 3500 and up	1917-18-19	.....	Dyneto
816	Dodge	1915	.....	North East
817	Dodge	1916	.....	North East
818	Dodge, Com. Lights & Ing. Switch	1916	.....	North East
819	Dodge	1917-18-19	Pass. Cars & Trucks	North East
820	Dorris, Cars up to 5218.....	1913	.....	Aplco
821	Dorris, Cars 5219 and above..	1913-1914	.....	Westinghouse
822	Dorris	1915	"IA4"	Westinghouse
823	Dorris	1916	"IA6"	Westinghouse
829	Dorris	1919	"6-80"	Westinghouse
830	Dorris—Truck	1919	"K-4"	Westinghouse
824	Dort	1915	.....	Splitdorf-Aplco
825	Dort, last half of season.....	1916	5A	Westinghouse
826	Dort	1916	.....	Westinghouse
828	Dort	1917	.....	Westinghouse
827	Dort	1918	11, 11T	Westinghouse
1001	Elcar	1916	.....	Dyneto
1002	Elcar	1916	.....	Splitdorf-Aplco
1003	Elcar	1917	D, E, F, G	Dyneto
1004	Elgin, 6-cylinder.....	1916	.....	Dyneto
1005	Elgin "Six"	1917-1918	.....	Wagner
1012	Elgin	1919	H	Wagner
1006	Empire	1916	"33"	Remy
1007	Empire	1916	"40"	Autolite
1008	Empire	1916	"45"	Autolite
1009	Empire	1916	"60"	Autolite
1010	Empire	1918-1919	50, 51, 70, 70A	Autolite
1013	Essex	1919	"A"	Delco
1011	Excelsior Motorcycle.....	.....	.....	Splitdorf
1201	Fargo Truck	1916	.....	Splitdorf
1202	Farmack	1916	.....	Bljur

LIST OF WIRING DIAGRAMS IN STOCK—Continued

Drawing Number	Name of Car	Year	Model	System
1203	Fiat	1914		Gray & Davis
1204	Fiat, Lighting	1914		Westinghouse
1205	Fiat, Starting and Lighting	1914-1915		Westinghouse
1206	Fiat	1915		Rushmore
1207	Fiat	1916		Rushmore
1208	Ford, Starting and Lighting System			A-B-C
1209	Ford			American Ever Ready
1210	Ford			Disco
1211	Ford, Lighting only			Fisher
1212	Ford—Double Deck			Fisher
1213	Ford			Genemotor
1214	Ford			Gray & Davis
1215	Ford—3rd Brush Regulation			Gray & Davis
1216	Ford—Motor-Dynamo			Gray & Davis
1217	Ford			Gray & Davis
1218	Ford	1918	"T"	Heinze Springfield
1219	Ford	All Years		Heinze Springfield
1220	Ford—Fan Dynamo			Kemco
1221	Ford—Two Unit System			Kemco
1222	Ford—Lighting System			Kemco
1223	Ford—Starting Motor			Kemco
1224	Ford	1915		North East
1225	Ford			Spltdorf-Apelco
1226	Ford—Standard Wiring			Westinghouse
1227	Ford—Lighting and ignition system			
1227	Four Wheel Drive Tractor		ALL	
1228	Franklin	1913	"D" "H" "M"	North East
1229	Franklin	1913	Series No. 4	Entz
1230	Franklin	1913	Series No. 5	Entz
1231	Franklin	1915		Entz
1232	Franklin	1915-1916	Series 7 and 8	Dyneto
1233	Franklin	1916	Series "8"	Dyneto
1234	Franklin—Berline	1916	Series "8"	Dyneto
1235	Franklin—After 11700 Cars	1918-1919	Ser. 9	Dyneto
1236	Franklin—Light and Horn Wiring	1918-1919	Ser. 9	Dyneto
1237	Franklin—Light and Horn Wiring	1918-1919	Ser. 9	Dyneto
1238	Fulton Truck			Dyneto
1401	S. G. Gay & Co.			Bijur
1402	Glide—Cars 5000 to 5282	1912-1913	36-42	Allis-Chalmers
1403	Glide—Cars 5282 and up	1913	36-42	Ward-Leonard
1404	Glide	1914	"30"	Westinghouse
1405	Glide—Cars up to 7388	1915	"30"	Westinghouse
1406	Glide—Cars 7389 and above	1915	"30"	Westinghouse
1407	Glide—Cars up to 9049	1916	"6-40"	Westinghouse
1408	Glide	1916	"6-40"	Westinghouse
1409	Glide—Cars 9000 to 10255	1916-1917	6-40	Westinghouse
1410	Glide	1918-1919	"6-40"	Westinghouse
1411	Gramm Bernstein Truck			Westinghouse
1412	Grant	1915-1916	"6"	Westinghouse
1413	Grant	1915-1916	"6"	Allis-Chalmers
1414	Grant	1917	6-40	Allis-Chalmers
1415	Grant	1918-1919	"G"	Wagner
1416	Grant Truck	1919	10, 11, 15, 16,	Wagner
1601	H-A-L	1917	21	Remy
1634	Halladay	1914	O	Westinghouse
1602	Halladay	1915-1916	"S"	Westinghouse
1603	Halladay—Hearse	1916		Autolite
1604	Halladay	1916		Autolite
1605	Halladay	1916	1.	Westinghouse
1606	Harley-Davidson Motorcycle, Switch in Lamps	1916	2.	Westinghouse
1607	Harley-Davidson Motorcycle, Combination Switch			Spltdorf
1608	Harley-Davidson	1915		Spltdorf
1609	Harroun	1917-18-19		Remy
1610	Haynes	1915	"30"—"33"	Remy
1611	Haynes	1916	"34"—"35"	Leece-Neville
1612	Haynes	1916-1917	36, 37, 37R	Leece-Neville
1613	Haynes	1917	40, 40R-41	Leece-Neville
1614	Haynes	1918-1919	Mod. 38, 39, 45	Leece-Neville
1615	Henderson—First Models	1914		Ward Leonard
1616	Henderson—Later Models	1914		Ward Leonard
1617	Hollier	1916	"8"	Spltdorf-Apelco
1618	Hollier	1917-18-19	"176"	Allis-Chalmers
1619	Hollier	1916-17-18-19	"8"	Spltdorf-Apelco
1635	Holmes	1919	ALL	Dyneto
1620	Holt Caterpillar Tractor		"L"	North East
1621	Howard	1913		Electro
1622	Howard	1914	"6"	Jesco
1623	Hudson	1913	"54-37"	Delco
1624	Hudson	1916	"6"	Delco
1625	Hudson	All Years	Super Six	Delco
1626	Hupmobile	1915		Westinghouse

LIST OF WIRING DIAGRAMS IN STOCK—Continued

Drawing Number	Name of Car	Year	Model	System
1627	Hupmobile	1915	"K"	Westinghouse
1628	Hupmobile	1915	"32"	Westinghouse
1629	Hupmobile	1916	"N"	Bijur
1630	Hupmobile	1916	"N"	Westinghouse
1631	Hupmobile with ammeter— cars 60,000 to 75,000.....	1916	"N"	Westinghouse
1632	Hupmobile Cars after 75,000.....	1917	N	Westinghouse
1633	Hupmobile	1917-1918	R	Bijur
1801	Indian Motorcycle.....	.....	.....	Splitdorf
1802	International Motor Truck.....	.....	"D"	North East
1803	International Motor Truck.....	.....	"G"	North East
1804	International Motor Truck.....	.....	"L"	North East
1805	Interstate	1913	.....	Apelco
1806	Interstate	1913	"40" "41" "42"	Apelco
1807	Interstate .....	.....	"45"	Apelco
1808	Interstate	1913	"50" "51" "52"	Apelco
1809	Interstate	1915	.....	Remy
1810	Interstate	1915	"T"	Remy
1811	Interstate	1916	.....	Remy
1812	Interstate	1917-1918	T, TR	Remy
2001	Jackson	1913	"43"	Autolite
2002	Jackson	1915	"44"	Autolite
2003	Jackson	1916	"68"	Autolite
2004	Jackson	1916	"348"	Autolite
2005	Jackson	1916	"4-34"	Autolite
2006	Jackson	1917-1918	349	Autolite
2007	Jeffery	1914	"6"	U. S. L.
2008	Jeffery	1915	"4"	U. S. L.
2009	Jeffery	1915	"6"	U. S. L.
2010	Jeffery	1915	"6"	Bijur
2011	Jeffery	1916	"4-462"	Bijur
2012	Jeffery	1917	671	Bijur
2013	Jeffery Truck.....	1918	2017	Bijur
2014	Jones	1915	.....	Leece-Neville
2015	Jones	1916	.....	Gray & Davis
2016	Jordan	1917	B	Bijur
2017	Jordan	1918-1919	"C"	Bijur
2201	Kelly-Springfield Truck.....	.....	.....	Westinghouse
2202	King	1914	"B"	Ward Leonard
2203	King	1915	"C-4"	Ward Leonard
2204	King	1915	"8"	Ward Leonard
2205	King	1915	"8"	Ward Leonard
2206	King	1916-1917	E, EE	Robbins & Meyers
2207	King	1917-18-19	"EE," "F"	Bijur
2208	Kissell	1913-1914	"4-40"	Esterline
2209	Kissell	1913-1914	"6-48" "6-60"	Esterline
2210	Kissell	1915	"4-36"	Westinghouse
2211	Kissell	1915	"6-42"	Westinghouse
2212	Kissell	1916	"4-32" "4-36"	Westinghouse
2213	Kissell	1917	100 Pt. Six	Remy
2214	Kissell	1918	100 Pt. Six	Remy
2220	Kissell	1917-18-19	12 Cyl.	Delco
2215	Kilne	1917	6-36	Westinghouse
2216	Knox Tractor.....	.....	.....	Bijur
2217	Krit	1914	.....	Disco
2218	Krit	1915	.....	Disco
2219	Krit	1915	"M"	North East
2401	Lambert	1915	.....	Briggs
2402	Lambert	1916	.....	Remy
2403	Lawson Truck.....	1917	.....	Splitdorf-Apelco
2404	Lewis Motor-Generator	1915	.....	Remy
2404	Lewis, Motor-Generator.....	1915	.....	Remy
2406	Lexington	1914	51	Jesco
2407	Lexington .....	.....	6M	Jesco
2408	Lexington	1915-1916	"6L"	Westinghouse
2409	Lexington	1916	"6-N"	Westinghouse
2410	Lexington	1916	"O"	Westinghouse
2411	Lexington	1917	6-O-17	Westinghouse
2412	Lexington	1918-1919	.....	Westinghouse
2413	Liberty	1916-17-18-19	6	Delco
2414	Lippard-Stewart Truck, At- water Kent Ignition.....	.....	.....	Dyneto
2415	Lippard-Stewart Truck, Mag- neto Ignition .....	.....	.....	Dyneto
2428	Locomobile	1911-1912	M1, M2, & R1	Rushmore
2416	Locomobile—Closed Bodies.....	.....	.....	Westinghouse
2417	Locomobile	1911-12-13	.....	Rushmore Electric Lighting System
2418	Locomobile—Closed Cars.....	1914-1915	.....	Westinghouse
2419	Locomobile—All Models.....	1914-1915	.....	Adlake
2420	Locomobile	1913	30-38-48	Westinghouse
2421	Locomobile—Open Cars.....	1915	"38" "48"	Westinghouse
2422	Locomobile—Body Wiring.....	1915	"38" "48"	Westinghouse
2423	Locomobile	1915-1916	.....	Westinghouse
2424	Locomobile	1917-18-19	.....	Westinghouse
2425	Lozier	1913-1914	"77"	Gray & Davis

LIST OF WIRING DIAGRAMS IN STOCK—Continued

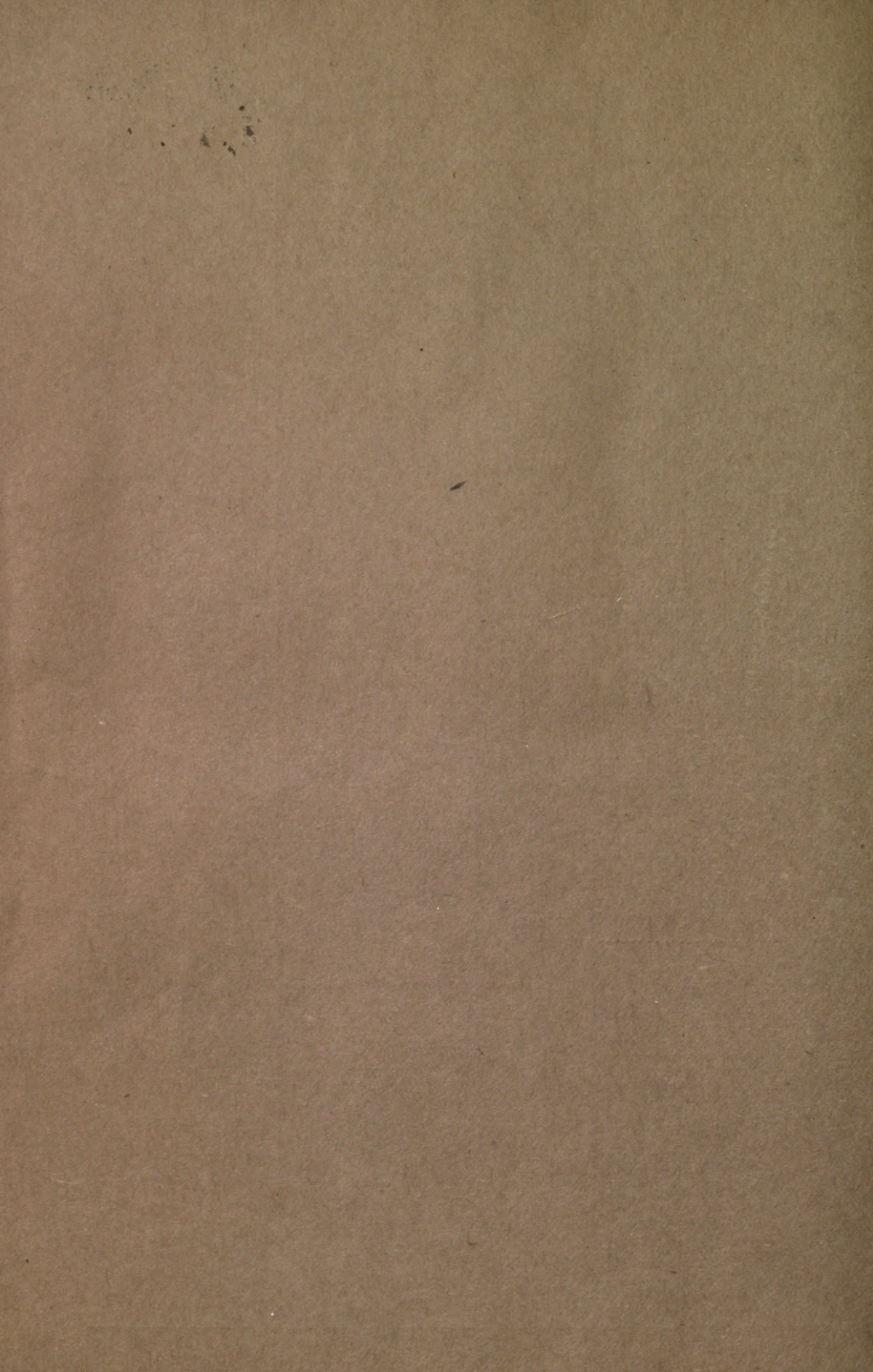
Drawing Number	Name of Car	Year	Model	System
2426	Lozier	1914	"84"	Gray & Davis
2427	Lyons-Knight	1914-1915	.....	North East
2603	Madison	1916	.....	Remy
2604	Madison	1916	.....	Remy
2644	Madison	1919	6-40	Remy
2601	Malbohm	1917-18-19	A-4cyl.	Disco
2602	Malbohm	1918-1919	B-6cyl.	Wagner
2645	Marion	1916	"K"	Westinghouse
2605	Marion-Handley	1917	6-40	Westinghouse
2606	Marmon, 6 cyl.	1913	.....	North East
2607	Marmon	1914	"48"	Jesco
2608	Marmon	1915	"41"	Bosch
2609	Marmon	1916	"41"	Bosch
2610	Marmon	1916	"34"	Bosch
2611	Marmon	1918-1919	"34"	Bijur
2646	Maxwell	1914	A-35	Deaco
2647	Maxwell	1915	.....	Gray & Davis
2612	Maxwell	1915	.....	Simms-Huff
2613	Maxwell	1916	.....	Simms-Huff
2614	Maxwell—Early Model.....	1917	25	Simms-Huff
2615	Maxwell—Late Model.....	1917	25	Simms-Huff
2616	Maxwell	1918-1919	25	Simms-Huff
2617	Maxwell	1917-1918	1 T Truck	Autolite
2618	McFarlan	1917-1918	.....	Westinghouse
2648	McFarlan	1919	Six	Westinghouse
2619	Mercer	1914	"35"	Rushmore
2620	Mercer	1915	"22-70"	U. S. L.
2621	Mercer	1916	"22-72"	U. S. L.
2622	Mercer	1917-1918	.....	U. S. L.
2623	Metz	1914	.....	North East
2624	Metz	1915-16-17	"25"	Gray & Davis
2649	Metz	1919	25	Gray & Davis
2625	Michigan—Hearse	1917-18-19	.....	Delco
2626	Mitchell	1913	.....	Esterline
2627	Mitchell	1914	.....	Remy
2628	Mitchell	1915	.....	Remy
2629	Mitchell	1915-1916	"4"	Spiltdorf-Apelco
2630	Mitchell	1916	.....	Spiltdorf-Apelco
2631	Mitchell	1916	"8"	Westinghouse
2632	Mitchell-Lewis	1917-1918	.....	Spiltdorf-Apelco
2633	Mollne-Knight	1914	First Series	.....
2634	Mollne-Knight	1914-1915	MK 40	Wagner
2635	Mollne-Knight—12 volts.....	.....	Second Series	.....
2636	Mollne-Knight	1914-15-16	MK 40	Wagner
2637	Mollne	1915	MK 50	Wagner
2638	Mollne	1916	"40"	Wagner
2639	Mollne-Knight	1916	"40"	Wagner
2639	Mollne-Knight	1917-18-19	G-MK50, C-MK40	Wagner
2650	Mollne Tractor.....	1919	.....	Remy
2651	Monitor	1919	.....	Dyneto
2640	Monroe	1915	.....	Autolite
2641	Moon	1914	"42"	Delco
2642	Moon—2 Button Switch.....	1918-1919	6-66	Delco
2643	Moon—4 Button Switch.....	1918-1919	6-66	Delco
2801	Nash	1918	671	Bijur
2802	Nash	1918-1919	681, 82, 83, 84	Delco
2803	National	1914-1915	.....	Remy
2804	National	1916	"6"	Westinghouse
2805	National	1916	"12"	Westinghouse
2806	National	1918	"6"	Westinghouse
2807	National	1917	"12"	Bijur
2808	National	1918-1919	12cyl.	Bijur
2809	Nelson	1917-1918	.....	U. S. L.
2810	New Era	1916	.....	Allis-Chalmers
2811	Northeast—Single unit system used on power boats.....	.....	"G"	.....
3001	Oakland	1913	"35-42"	Deaco
3002	Oakland	1913	"42"—"6-60"	Delco
3003	Oakland	1914	"35-42"	Deaco
3004	Oakland	1914	"48-62-43"	Delco
3005	Oakland	1915	.....	Delco
3006	Oakland	1916	32	Remy
3007	Oakland	1916	"50"	Delco
3008	Oakland	1917	32B-34	Delco
3009	Oakland	1918-1919	34B	Remy
3010	Old Hickory Trucks—Dixie Cars to No. 2200.....	1916-17-18	.....	Dyneto
3011	Oldsmobile	1913	"53"	Delco
3012	Oldsmobile	1915	"42"	Delco
3013	Oldsmobile	1916	"4-43"	Delco
3014	Oldsmobile	1916	"8-44"	Delco
3015	Oldsmobile	1917-1918	37	Delco
3016	Oldsmobile	1918	37	Remy
3017	Oldsmobile	1918-1919	45 & 45A	Delco
3018	Overland	1913	"69" "71"	U. S. L.
3019	Overland	1913	"69" "71"	Autolite
3020	Overland	1914	"79"	Gray & Davis

LIST OF WIRING DIAGRAMS IN STOCK—Continued

Drawing Number	Name of Car	Year	Model	System
3021	Overland	1915	"80-82"	Aurolite
3022	Overland	1915	"82"	Autolite
3023	Overland	1916	"81"	Autolite
3024	Overland	1916	"83"	Autolite
3025	Overland—First 5000 cars...	1916-1917	"75"	Autolite
3026	Overland—4 cyl.	1917	83DE	Autolite
3027	Overland—4 cyl.	1917	85-4-SN, C, T, R	Autolite
3028	Overland—6 cyl.	1917	85-R, Sn, T, C	Autolite
3029	Overland—4 cyl.	1917	88T, SN, Lim	Autolite
3030	Overland—8 cyl.	1917	88T, SN	Autolite
3031	Overland—6 cyl.	1917	89CLR, T, 86B	Autolite
3032	Overland—4 cyl.	1917	90R, OEX, T, PLD	Autolite
3033	Overland—4 cyl.	1918	88-4-SN	Autolite
3034	Overland—6 cyl.	1918	89	Autolite
3035	Overland—4 cyl.	1918	90	Autolite
3201	Packard	1912	.....	Bijur
3202	Packard	1913	"48"	Bijur
3203	Packard	1914	"138"	Delco
3235	Packard	1913-1914	"138"	Delco
3204	Packard	1915	"6"	Bijur
3205	Packard	1916	"12"	Bijur
3206	Packard	1917	2-25, 2-35	Bijur
3207	Packard	1918-1919	325, 335	Bijur
3208	Packard—Body Wiring...	1918-1919	325, 335	Bijur
3209	Packard—Body Wiring...	1918-1919	325, 335	Bijur
3210	Packard—Body Wiring...	1918-1919	325, 335	Bijur
3211	Paige-Detroit, "Little Six" .....	.....	.....	Gray & Davis
3212	Paige	1918	39	Gray & Davis
3213	Paige-Detroit	1917	6-38	Gray & Davis
3236	Paige, without side lamps....	1913-1914	25	Disco
3237	Paige, with side lamps....	1913-1914	25	Disco
3214	Paige	1918-1919	39	Gray & Davis
3238	Paige	1919	6-55	Remy
3240	Panhard Truck	1919	A-B	Autolite
3215	Partin-Palmer	1915	.....	Allis-Chalmers
3216	Partin-Palmer	1917	.....	Disco
3217	Paterson	1914	32	Delco
3218	Paterson	1915	"32-33"	Delco
3219	Pathfinder	1914	"6"	Deaco
3220	Pathfinder	1915	.....	Westinghouse
3239	Pathfinder	1916	.....	Westinghouse
3221	Peerless	1916	"8"	Gray & Davis
3222	Peerless	1917	56	Gray & Davis
3223	Peerless	1918-1919	56	Autolite
3224	Phianna	1918	.....	Ward Leonard
3225	Pierce Arrow	1913	48-B	Westinghouse
3226	Pierce Arrow	1914	48-B2	Westinghouse
3227	Pierce Arrow	1915	48-B3	Westinghouse
3228	Pierce Arrow	1915	.....	Westinghouse
3229	Pierce Arrow	1916-17-18-19	All Cars	Westinghouse
3241	Pierce-Arrow—Truck	1919	2 Ton	Westinghouse
3230	Premier	1914	.....	Remy
3231	Premier	1915	Model "M" Generator	Remy
3232	Premier	1915	Model "MJ" Generator	Remy
3244	Premier	1918-1919	6C & 6B	Delco
3242	Pullman	1913	4-36, 44, 55, 6-66	Westinghouse
3243	Pullman	1915	"4-24"	Splitdorf
3233	Pullman	1916	.....	Splitdorf-Apelco
3234	Pullman	1917	"4-24"	Splitdorf-Apelco
3601	Regal	1915	E	Dyneto
3602	Regal	1915	RR, R, RD, D	Rushmore
3603	Regal	1915	"4"	Dyneto
3604	Regal	1915-1916	"4" and "8"	Dyneto
3605	Regal	1917	5	Helnze
3606	Regal	1918	J	Autolite
3623	Remy Tractor Equipment...	.....	.....	Remy
3607	Renault .....	.....	.....	S. E. V.
3608	Reo	1914	.....	Remy
3609	Reo	1915	.....	Remy
3610	Reo	1915	.....	Remy
3611	Reo	1916	"4" "6"	Remy
3612	Reo	1917-18-19	4 & 6, M&N	Remy
3613	Reo	1918-1919	T & U	Remy
3624	Reo Truck	1916	11000 to 12789	Remy
3614	Republic Motor Truck .....	.....	.....	Westinghouse
3615	Republic Motor Truck .....	.....	.....	Remy
3625	Riker Truck (with headlights) .....	.....	3 & 4 Ton	Westinghouse
3626	Riker Truck (with search-light) .....	.....	3 & 4 Ton	Westinghouse
3627	Roamer	1916	.....	Gray & Davis
3628	Roamer	1916	No. 3 Cont. Mag. Ign.	Gray & Davis
3616	Roamer	1917	.....	Bijur
3617	Roamer—Cars 14005 to 15736	1917	RA, RAC	Bijur
3618	Roamer—Cars 15737 and up.	1918-1919	"D-4-75," "C-6-54"	Bijur
3619	Rockfalls Hearse .....	.....	No. 7	Westinghouse
3620	Ross	1916	"8"	Detroit, W. L.
3621	Ross	1917	8	Robbins & Meyers

LIST OF WIRING DIAGRAMS IN STOCK—Continued

Drawing Number	Name of Car	Year	Model	System
1622	Russell	1915	"32""48"	Bljur
1801	Saxon "Four"	1915		Detroit
1802	Saxon	1915-1916	"48"	Gray & Davis
1803	Saxon	1916-1917	4	Wagner
1804	Saxon	1916-1917	6	Detroit
1805	Saxon	1916-17-18-19		Wagner
1806	Sayers & Scoville, 6 cyl.	1917-18-19	6cyl.	Delco
1807	Scripps Booth Cars above 1101			Bljur
1808	Scripps-Booth	1915-1916		Bljur
1809	Scripps-Booth	1916-1917	"4""8"	Wagner
1810	Scripps-Booth	1918	"6-39""40"	Remy
1841	Seneca	1919	D. & H	AllisChalmers
1811	Service Fire Truck			Westinghouse
1812	Service Truck, all models	1915		Westinghouse
1813	Service Truck	1917-18-19		Westinghouse
1814	Simplex, cars 2440 and up			Bosch-Rushmore
1815	Simplex	1914-1915	"38""50"	Rushmore
1816	Simplex	1915	Series "E"	Rushmore
1817	Simplex		5	Rushmore
1818	Sphinx	1916		Splitdorf-Apelco
1819	Standard—Touring & Limou- sine	1915	"6"	Westinghouse
1820	Standard	1917	E	Westinghouse
1821	Standard	1917	"E"	Splitdorf-Apelco
1842	Standard	1919	8	Westinghouse
1822	Stanley Steam Car			Splitdorf-Apelco
1823	Stearns	1913	"6"	Gray & Davis
1824	Stearns	1914-1915		Gray & Davis
1825	Stearns	1914-1915	"4"	Gray & Davis
1826	Stearns—Knight Four	1917	Series 32	Westinghouse
1827	Stearns—Knight Eight	1917	Series 32	Westinghouse
1828	Stephen	1917	60, 65	Autolite
1829	Stephens Salient Six	1918-1919	70 & 75	Delco
1830	Stevens-Duryea, External		"D"	Delco
1831	Stevens-Duryea, Internal		"D"	Delco
1832	Stewart Tourist	1917		Westinghouse
1833	Studebaker	1913		Wagner
1834	Studebaker	1913	"35""EG"	Wagner
1835	Studebaker	1914		Wagner
1836	Studebaker	1914		Wagner
1837	Studebaker	1915		Wagner
1838	Studebaker	1916-17-18		Wagner
1839	Stutz	1915		Remy
1840	Stutz	1918-1919		Remy
4001	Thomas	1916		Leece-Neville
4401	Velle	1914-1915		Gray & Davis
4402	Velle	1915		Gray & Davis
4403	Velle	1916	"22"	Remy
4404	Velle	1917	27	Remy
4405	Velle	1917	28	Remy
4406	Velle	1918-1919	38 & 39	Remy
4619	Westcott	1913	"4-40"	Jesco
4620	Westcott	1914	"0-30"	Jesco
4601	Westcott	1915	"U 50""O 35"	Delco
4602	Westcott	1917-18-19	17 & 18	Delco
4603	White—Ventilator Control	1914		Entz
1604	White—Steering column con- trol	1914		Entz
1605	White	1915		Entz
1606	White	1916		Entz
1607	White	1917-1918		Leece-Neville
4608	Willys-Knight	1915		U. S. L.
4609	Willys-Knight	1916		Autolite
4610	Willys-Knight	1916	"84"	Autolite
4611	Winton, Early part of 20 Season		20	Gray & Davis
4612	Winton, Latter part of 20 Season		20	Gray & Davis
4613	Winton, with grounded start- er switch		21	Gray & Davis
4614	Winton, with insulated start- er switch		21	Gray & Davis
4615	Winton		21	Bljur
4616	Winton	1915	21	Gray & Davis
4617	Winton		"21A"	Bljur
4618	Winton	1916-17-18-19	22	Bljur
4621	Winton	1916-17-18-19	22A	Bljur
4622	Winton—Body Wiring for limousne	1916-17-18-19	22 & 22A	Bljur



YD 07533

TL
272

A47

405884

Engineering
Library

American

UNIVERSITY OF CALIFORNIA LIBRARY

