Ford

THE UNIVERSAL CAR

Price List

Labor Operations

Effective Feb. 15, 1923

HARIG MOTOR CO.

AUTHORIZED DISTRIBUTORS

Lincoln Ford Fordson

CARS-TRUCKS-TRACTORS

366 BROADWAY -- LAWRENCE

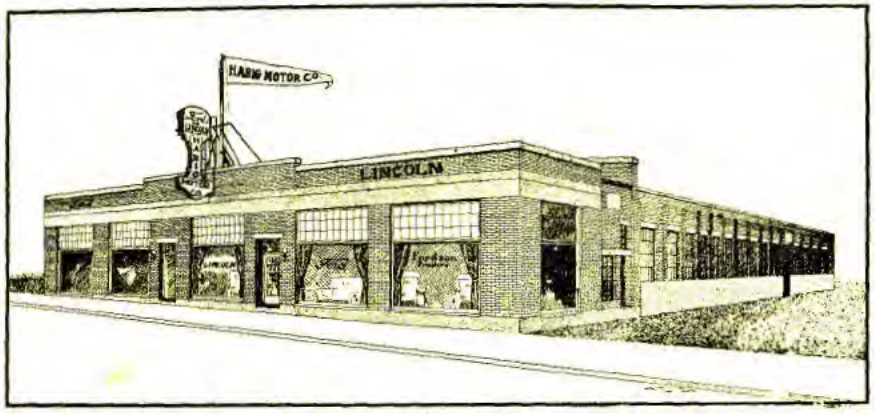
Phone 980

Our Plant Stands Back of Your Purchase

Lincoln Ford Fordson

CARS-TRUCKS-TRACTORS

HEADQUARTERS



HARIG MOTOR CO.

366 BROADWAY -- LAWRENCE

OUR WHOLEHEARTED GUARANTEE AND POLICY

We guarantee every repair job, and stand ready and willing at any time to make good our work, if brought to our attention within a reasonable time. Our employees are courteous and reliable. Any inattention on the part of any employee, we will deem it a favor if same is reported to the office.

IMPORTANT

As it is impossible to know in advance what parts will be found broken or badly worn, the prices herein are for **LABOR ONLY.**

Necessary parts will be charged extra at current prices established by the Ford Motor Company of Detroit, Mich. Gasoline, Oil, Greases and Other material or accessories are **EXTRA.**

Parts removed will be held for inspection, if so instructed at time job is authorized.

FOREWORD

THIS little book is designed to help you.

It is to clear away the fog which has surrounded labor charges on your car, and to show the proper charge for each repair operation as plainly and as definitely as the Ford catalog shows the price of each part. It is to tell you in advance whether your bill will be large or small; in fact, it will tell you exactly what the **labor charge** will be for a guaranteed job.

IN OTHER WORDS, it is the modern, efficient, out in the open way of doing business, the Flat Rate System.

It has been evolved from many years' experience, combined with labor saving machinery, and skilled Ford mechanics. Each charge shown is the average of many similar jobs done satisfactorily. The basis is fair both to you and us. In other words we guarantee to tell you before we start the work on your car what the labor charge will be and guarantee the job.

It therefore, puts us on our mettle to turn out mechanically perfect jobs, as every comeback costs us money. In our own interest and yours, we employ only first class mechanics and use tools and machinery specially designed for Ford repairs.

This book we commend to you for the plain, honest qualities of its contents. You order work done at a fixed price; we undertake to do good work at that price. Both parts and workmanship are fully guaranteed.

In size this book just matches the Ford parts catalog. Keep them together on your desk or in your car. We are at your service always.

Note: The prices quoted are effective Feb. 15, 1923. (subject to change without notice.)

Harig Motor Co.

Authorized Distributors

Lincoln Ford Fordson

CARS-TRUCKS-TRACTORS

366 BROADWAY -- LAWRENCE

MOTOR DIVISION

Opr. No.		Labor Charge
1	Overhaul motor and transmission	$28.00
1a	Remove motor	2.50
1b	Install motor	5.00
2	Overhaul motor only	22.50
3	Overhaul transmission only, repair or replace magneto	14.00
4	Rebraze crankcase arms or support or repair leak in case by taking out motor	12.00
4a	Change crankcase	10.00
5	Install or refit one piston or one connecting rod	4.50
6	Install or refit two or more pistons or connecting rods	6.00
7	Tighten one connecting rod bearing	2.00
8	Tighten two or more connecting rod bearings	4.00
9	Replace transmission bands open cars (add 50c for starter)	2.75
9a	Replace transmission bands closed cars (add 50c for starter)	3.75
10	Replace transmission cover gasket open cars (add 50c for starter)	2.50
10a	Replace transmission cover gasket closed cars (add 50c for starter)	3.00
10b	Repair transmission cover only	6.00
11	Change motor	7.50
12	Replace cam shaft and refit bearings	5.00
13	Replace cam gear—large	3.00
14	Replace cylinder front cover	2.50
15	Grind valves and clean carbon	3.50
16	Remove carbon only	1.75
17	Repair cylinder head bolts stripped-one or two	2.50
18	Repair cylinder head bolts stripped-under dash	5.00
19	Clean out oil feed pipe	3.25
20	Replace cylinder head gasket	1.00
21	Replace radiator or all three hose connections	.75
22	Replace one hose connection only	.40
23	Replace crankshaft starting pin or pulley	1.50
24	Tighten motor to frame	1.25
25	Clean crankcase only or install gasket under lower cover	.75
26	Replace carburetor or manifold or repair leak in manifold	
27	Install new butterfly spring	.75
28	Overhaul carburetor	1.50
29	Repair leaky carburetor	1.00
33	Replace or rebush fan pulley assembly	.60
33a	Replace broken blades or repair fan (old style $2.00) new style	1.25
34	Adjust clutch fingers and transmission bands open cars	.60
34a	Adjust clutch fingers and transmission bands closed cars	.75

MOTOR DIVISION—Continued.

Opr. No.		Labor Charge
35	Adjust transmission bands only, open cars	.40
35a	Adjust transmission bands only, closed cars	.50
36	Stop oil leak in valve doors	.50
37	Install transmission band springs, brake and reverse only—each	.50
38	Repair cylinder water jacket plug—one or more	.40
39	Install new starting crank handle	.50
40	Install arm or end of spark control rod	.50
41	Replace high speed collar or spring	8.00
42	Replace inlet or outlet water gasket	.50
43	Replace transmission band shaft or ratchet—each	2.50
46	Tighten motor or transmission bolts to stop oil leaks	1.50
47	Drain crank case—flush and refill	No Charge
48	Install new fan belt	.25
49	Clean magneto terminal only	.50
49a	Clean magneto terminal and test magnets	.75
50	Replace crankcase front bearing cap	1.00
51	Tighten center main bearing	3.50
	Operations 5 and 15 on one order	7.00
	Operations 6 and 15 on one order	8.50
	Operations 12 and 15 on one order	7.50
	Operations 15 and 17 on one order	5.00
	No charge for operation 19 when done with transmission jobs.	

SPECIAL—FOR QUICK SERVICE

A rebuilt guaranteed rear axle assembly installed in exchange for your old assembly in cars from 1916 on—

$25.00

Car can leave shop within one hour.
Operation No. 95

IGNITION DIVISION

52	Go over ignition	1.00
53	Clean and adjust spark plugs	.50
54	Replace spark plugs or porcelains	.50
55	Replace spark plug wires	.25
56	Replace commutator wire loom	.60
57	Replace commutator case, brush or roller	.50
58	Replace commutator pull rod	.50
59	Test and adjust coil units	.50
60	Install points per unit	.25
	Operations 56 and 57 on one order	.75

REAR AXLE OVERHAUL

Operation No. 96.

The causes that necessitate a rear axle overhaul are in the majority of cases due to neglect, carelessness or abuse.

Lack of lubrication is the most prolific cause of trouble. Overloading the car, hard and reckless driving will soon wreck any rear axle and differential. Applying the foot pedals too quickly and hard places undue strain on the rear system. Failure to keep rear wheels tight on axle shafts soon ruins the shafts and bearings. Trying to get out of a mud hole without the use of chains puts a tremendous strain on the entire rear system and will materially shorten its life.

Natural wear and tear will in time make a rear axle overhaul necessary, but if Ford owners will only use discretion in the use of their cars they need not think of a rear axle overhaul for a long time.

When we overhaul a rear axle in our shop, we proceed as follows:

The rear end of the car is hoisted and rear wheels are removed, rear spring perch nuts, as well as brake rod clevis pins, are removed. The rear axle assembly is disconnected at the universal joint and pulled from car The assembly is now placed on a special rear axle bench and disassembled. All internal parts are washed and cleaned. Each part is subjected to a minute inspection and all worn parts are replaced. All parts to be replaced are removed and new parts installed through the use of special jigs and arbor presses. The axle shafts are tested and if out of true they are straightened in a straightening press.

All internal parts having been assembled, delicate and final adjustments are made. All parts are thoroughly greased and enclosed in housing. The assembly is now brought back to car and installed. New felts are placed at the outer ends of the rear axle to prevent oil leaks before wheels are put on. Brake rods are equalized and adjusted. The axle is then given a thorough and final test and when the car is turned over to the owner he can rest assured that we have done a good job.

Our labor charge for this work is $6.00, necessary parts extra.

We use **Genuine** Ford parts, exclusively.

Prompt delivery of GENUINE Ford Parts anywhere.

Phone your order—Phone 980

REAR SYSTEM DIVISION

Opr. No.		Labor Charge
96	Overhaul rear axle and rebush springs and perches when necessary	6.00
97	Repair or replace drive shaft tube	4.00
98	Repair or replace one rear radius rod	1.50
99	Replace rear spring tie bolt or new leaf including polishing and graphiting of leaves and lining up of body	3.00
99a	Install new leaf in rear spring	3.50
100	Remove front and rear springs, polish and graphite leaves only	4.00
100a	Dope rear end	No Charge
100b	Graphite rear spring when removed from car	1.00
101	Replace spring perches	1.25
102	Pad rear spring to line up body, or replace rear spring tiebolt only	2.50
103	Rebush springs and perches	2.00
104	Install universal joint	3.25
105	Straighten axle shaft (without removing from car)	1.50
106	Tighten rear radius rod	.75
107	Install felt and steel washers—both sides	1.25
108	Install brake shoes and equalize emergency brakes—both sides,	1.25
109	Tighten universal ball cap bolts	.60
110	Install or tighten rear spring clips	.60
111	Tighten rear hub lock nut—both sides	.50
112	Fit new hub keys—both sides	.75
113	Replace pull rods supports—both sides	.60
114	Replace or rebush hub brake cam—each side	1.50
115	Replace rear axle assembly	2.50
116	Adjust pull rods or replace one	.75
117	Straighten rear radius rod (in car)	.75
118	Install outer roller bearing (each)	1.25
119	Replace rear axle shaft, drive shaft pinion, or drive gear (no other work necessary)	4.00
119a	Replace rear spring clip or hanger, each	.50
	Operations 96 and 99 on one order	8.00
	Operations 96 and 102 on one order	7.50
	Operations 96 and 110 on one order	6.25

The following extra charges should be made on cars with special equipment:

Axle overhaul when necessary to remove special trunk racks or truss rods	1.00
Axle overhaul when car is equipped with shock absorbers	1.00
Axle overhaul when car is equipped with special hub brakes	1.50

REAR AXLE—"Dont's"

Don't operate your car without proper amount of rear axle lubricant.

Don't overload the car.

Don't use the foot pedals roughly.

Don't neglect tightening rear wheels frequently.

Don't use different size tires on rear of car at same time.

We recommend "LUBMORE" for rear END.

FRONT SYSTEM OVERHAUL

Operation No. 167.

The front system of the Ford car takes in front axle, spring steering connecting rods, wheels and front radius rods.

Lack of proper lubrication and hard usage wear out the parts composing the front system, the direct results of which are premature wear of tires, hard steering, broken springs, broken wheel bearings, loose bolts, etc. Any of these may contribute to a serious accident.

A front system overhaul is really inexpensive, and considered from a safety standpoint, no owner ought to drive or let others drive a car needing an overhauling of this kind.

When we overhaul a front system, the procedure is as follows:

The front end of the car is hoisted and front axle, spring, steering connecting rods, wheels and front radius rods are removed from chassis.

All parts are disassembled, thoroughly cleaned and inspected, down to the last bolt and nut. All worn parts (where wear cannot be taken up) are replaced by new ones. All broken parts are similarly replaced. Spindle bodies and arms are rebushed and reamed if necessary.

The steering arm connecting rod ball caps are brought up snug when assembled.

Front hubs repacked with grease before wheels are placed back on axle, and bearings are then adjusted.

Front spring and perches are rebushed if necessary. All spring leaves are free from rust, oiled and reassembled.

The front system is now assembled to chassis and radius rod ball socket attached with relation to its bearing surface.

The front axle is tilted at the correct angle and front wheels properly aligned.

The job is now complete and our labor charge for this work is $5.00, necessary parts extra.

FRONT SYSTEM SUGGESTIONS

Drive carefully. Avoid bad bumps or chuck holes. These are the causes of spring breakage and the ruin of front wheel bearings. Avoid hitting curb. This causes misalignment of front wheels and uneven wear of front tires. Oil your spring leaves. It will prolong the life of the car as well as the springs and make for easier riding. At least once a week drop oil in oil cups in front system (8 in all.) Adjust front wheel bearings on an average of twice monthly. At the same time see that the bearings are sufficiently packed with cup grease. It is better to have too much than not enough.

If you will follow out these instructions you will seldom need our service.

FRONT SYSTEM OVERHAUL

Opr. No.		Labor Charge
167	Overhaul front axle including rebushing of springs and perches when necessary, straightening and lining up, and adjusting of wheels	5.00
168	Rebush spindle bodies and arms—each side	1.50
169	Replace or straighten front axle (no other repairs)	2.50
170	Rebush spindle body—each	1.00
171	Rebush spindle arm—each	.75
172	Replace broken off radius rod ball cap stud	2.50
173	Replace front spring tie bolt or new leaf, including polishing and graphiting of leaves	2.00
174	Replace front spring or tie bolt only	1.50
175	Install or tighten front spring clips	.60
176	Tighten radius rod or steering gear ball cap	.50
177	Replace radius rod	.75
178	Straighten front radius rod and line up from assembly	1.00
179	Replace spindle arm or body and line up assembly	.75
180	Replace radius rod ball cap with new style	.60
181	Tighten all sockets and joints of front end	1.25
182	Replace or straighten spindle or steering gear connecting rod	.75
	Operations 167 and 172 on one order	6.50
	Operations 167 and 173 on one order	6.00

CHASSIS DIVISION

FRONT END AND FRAME

228	Replace front cross member	6.00
229	Replace front cross member when radiator is off	5.25
230	Straighten front cross member without removing from car	3.00
231	Replace rear cross member	10.00
232	Replace side member or frame	20.00
233	Install engine pans..each	.50
234	Tighten engine pans—each	.25
235	Tighten crankcase front end bearing cap	1.00
236	Install hood clips or springs on hood board—each side	.50
237	Free up hand brake lever	.50
238	Remove radiator to replace radiator stud or tighten fender brackets	1.00
239	Replace starting crank ratchet pin	.25
240	Replace starting crank or sleeve	1.25
241	Install running board bracket	2.50
242	Repair hand brake lever assembly including replacing pawl	1.00
243	Replace hand brake lever quadrant without removing running board shield	1.25
244	Tighten all bolts and nuts on car	3.50
245	Tighten body bracket bolts	1.00
246	Install tail lamp bracket	.50
246a	Replace tire carrier	1.50
246b	Replace arms on tire carrier	2.50

FENDERS AND RUNNING BOARDS

258	Replace one fender or running board	1.00
259	Tighten all fenders, running boards, shields, and truss rods	1.75
260	Remove fender or running board and straighten	1.00
261	Replace running board shields—each	1.00
262	Install fender-to-shield bracket, each	.60
263	Install metal tool box	.75
264	Replace rear fender iron	.75
265	Replace truss rods—both	.60

DASH

Opr. No.		Labor Charge
276	Replace dash	3.50
277	Replace dash when motor is out	1.50
278	Tighten dash bracket to body and dash	1.00
279	Replace coil box, install lock	1.00
280	Install new switch	.60

STEERING GEAR

291	Overhaul steering gear including replacing of quadrant or gear case and rebushing of bracket	3.50
292	Overhaul steering gear when motor is out	2.50
293	Tighten rivets of internal gear case	1.25
294	Tighten at dash and rebush bracket	1.25
295	Replace wheel or spider	.50
296	Tighten at dash and post	.75
297	Replace steering gear assembly	3.00
298	Rebush bracket only	1.00
299	Tighten steering gear case cover	.50

MUFFLER

310	Change long exhaust pipe—(old style)	.75
310a	Change long exhaust pipe—(new style)	1.25
311	Replace muffler	.60
312	Repair muffler	1.25
313	Repack exhaust pipe pack nut	.50

GAS TANK AND LINE

323	Repair leak in touring car gas tank	1.50
324	Repair leak in touring car gas tank when necessary to remove body	7.50
325	Clean sediment bulb, gasoline feed line and drain carburetor	.75

HOOD

336	Straighten hood	1.00
337	Install hood leather	.60

RADIATOR

348	Overhaul radiator	7.00
349	Install new core in radiator	6.00
350	Repair radiator, solder one or two tubes	4.00
351	Solder neck or top tank or repair without removing from car	$1.00
352	Solder casting to lower or top tank when necessary to remove radiator	1.50
353	Replace broken petcock	.60
353a	Replace radiator shell	.50
353b	Replace radiator support	8.00

WHEELS

Opr. No.		Labor Charge
365	Change hub, rear or front	1.00
366	Replace wheel and tire—each	.75
367	Adjust and dope front wheels	.75
368	Remove front wheels and replace bearing parts (each)	.75
369	Line up front wheels—(replace spindle arm—50c extra)	.40
370	Oil and dope car including graphiting springs	1.50

TOP AND WINDSHIELD DIVISION

458	Install and fit top	1.25
460	Replace front or rear bow—Touring or Runabout	2.50
461	Replace center bow—Touring or Runabout—each	1.25
464	Replace back curtain	1.50
466	Refit complete set of side curtains	1.50
468	Replace top bow socket—Touring or Runabout	1.25
469	Replace windshield—and line up windshield frame	1.00
470	Replace windshield glass—upper	.75
471	Replace windshield glass—lower	1.25
472	Replace hinge	.60
473	Replace or tighten dash clips and hinge screws	.50
475	Replace windshield bracket	1.50
476	Repair windshield lower frame and install glass	2.00

SEDAN AND COUPE GLASS

477	Installing Sedan or Coupe door glass	1.50
478	Installing Sedan or Coupe front or rear quarter	1.50
479	Installing Sedan or Coupe lower windshield	1.25
480	Installing Sedan or Coupe upper windshield	1.25

ALL OF OUR PAINTING AND REFINISHING ON FORD CARS DONE AT

SHAWSHEEN GARAGE

SHAWSHEEN VILLAGE

Telephone Andover 768

(See Prices on Page 10)

LAMP AND HORN DIVISION

Opr. No.		Labor Charge
502	Replace or repair electric headlight switch	.60
506	Install horn and wire	1.00
507	Install headlights (pair)	1.00

SPECIAL

508	Tow in—per mile (each way) up to 5 miles	.50
509	Start up within 3 mile radius	1.50

Special prices on tow-ins for longer distance.
Tow-in and start up jobs after 6.00 p. m. double rate.

STARTING AND LIGHTING DIVISION

521	Replace starting motor	1.50
522	Replace bendix drive assembly	1.00
523	Replace generator	.60
524	Replace ammeter	.50
526	Replace brushes	1.25
527	Replace brush holder	1.50
528	Replace generator bearings	1.50
529	Replace switch assembly	.75
530	Replace cut-out	.40
531	Overhaul starting motor	3.00

BATTERY DIVISION

550	Overhauling battery	6.00
551	Recharging 6 volt batteries	1.25
552	Rental of service batteries—per day	.20
553	Replacing battery case	.50
554	Replacing one rubber cover	.75
555	Replacing one rubber jar	1.00
556	Replacing positive group (one cell)	1.50
557	Replacing negative group (one cell)	1.50
558	Reinsulating one cell	1.50
559	Clean battery terminals	.40
560	Replace positive cable	.50
561	Replace starting pedal	1.00
562	Replace battery cradle	1.00
563	Change battery position to running board	2.00

PAINT DIVISION

	Ford Touring	30.00
	Ford Roadster	25.00
	Ford Coupe	35.00
	Ford Sedan	40.00
	If Paint Burnt Off	10.00

Quotations on commercial jobs on request

TRUCK DIVISION

96a	Overhaul rear axle and rebush springs and perches when necessary	12.00
97a	Repair or replace drive shaft tube	7.00
98a	Repair or replace one rear radius rod	3.00
99a	Replace rear spring (one $3.00) both	5.00
100a	Remove front and rear springs polish and graphite leaves only	7.00
101a	Replace spring perches (one $1.50) both	2.75
103a	Rebush springs and perches	4.00
104a	Install universal joint	5.50
106a	Tighten rear radius rod	1.75

TRUCK DIVISION—Continued.

Opr. No.		Labor Charge
107a	Install felt and steel washers (one side $1.25) both sides	2.25
108a	Install brake shoes and equalize emergency brakes (one $1.25) both	2.25
109a	Tighten universal ball cap bolts	.60
110a	Install or tighten rear spring clips	1.50
111a	Tighten rear hub lock nuts (one side $ .50) both sides	1.00
112a	Fit new hub keys (one side $ .50) both sides	1.75
113a	Replace pull rods supports	.75
114a	Replace or rebush hub brake cam, each side	2.50
115a	Replace rear axle assembly	5.00
116a	Adjust pull rods or replace one	1.25
117a	Straighten rear radius rod in car	1.50
118a	Install outer roller bearing each	2.00
119a	Replace rear axle shaft, drive shaft worm or worm gear (no other work necessary)	8.00
120a	Replace frame	25.00

Genuine 13 Plate
FORD BATTERY $20
BATTERY RENTALS 20c A DAY

FREE SERVICE TO FORD OWNERS

Your battery tested and distilled water put in whenever you need it, without charge.

We have the most modern equipped battery and generator repair department in the city, in charge of an expert workman, who has been schooled by the Ford Motor Company at their plant. We are prepared to do battery, generator, starter and radiator work of every description, and our work is absolutely guaranteed. Service batteries that are fully charged, are rented at 20c a day.

BRING YOUR WORK TO US AND WE WILL GUARANTEE IT

When you need a new battery, don't buy just any old battery. Buy a FORD battery with the FORD guarantee and FORD service. Remember, this battery retails for the very low price of $20.00, which price was unheard of until Henry Ford entered the list of battery manufacturers.

HARIG MOTOR CO.
366 BROADWAY — LAWRENCE

MODEL T AND TT PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS.

Overhaul motor and transmission	10.00
Overhaul motor only	14.00
Overhaul transmission only	5.00
Rebore block	5.00
Rebore block and fit pistons	6.00
Rebore and rebabbitt block, fit pistons	10.00
Rebabbitt block	4.00
Rebabbitt block, fit crank shaft, run-in	6.00
Rebore and rebabbitt block, fit pistons, crankshaft and connecing rods, run-in	12.00
Rebore and rebabbitt block, fit pistons, crankshaft, connecting rods push rods, valves and cam shaft, and run-in	14.00
Rebore and refit pistons and valves	8.00
Rebore and refit pistons, valves, push rods, straighten and fit cam shaft	9.00
Fit pistons, crankshaft and run-in	3.50
Rebush three transmission drums	2.75
Rebush transmission drums, each	1.00
Rebush triple gears, each	.50
Braze crank case arms or supports	2.00
Overhaul and repair carburetor	1.25
Change magnets on flywheel	1.00
Straighten crankshaft	1.00
Straighten cam shaft	.75
Straighten cam shaft and fit bearings	1.25

REAR SYSTEM—MODEL T

Overhaul rear axle	4.00
Straighten or repair rear radius rod	.60
Overhaul differential assembly with shafts	1.50
Remove old and press new gear on axle shaft, each	.40
Install drive shaft sleeve	.75

FRONT SYSTEM

Straighten front axle	1.50
Rebush spindle body and arm	.75
Rebush spindle arm	.40
Rebush spindle body	.50

REAR SYSTEM—TON TRUCK

Overhaul rear axle	8.00
Change worm	3.00
Overhaul differential assembly	2.50
Remove old and press on new gear on axle, each	.75

LABOR OPERATIONS ON FORDSON TRACTOR ENGINE DIVISION

Oprr. No.		Labor Charge
1	Overhaul engine	35.00
2	Change engine	12.00
3	Install or refit one piston or connecting rod	8.00
4	Install or refit two or more pistons or connecting rods	10.00
5	Tighten connecting rod bearing	5.00
6	Tighten two or more connecting rod bearings	6.00
7	Replace cam shaft	6.00
8	Replace cylinder front cover or gasket	4.00
9	Replace cylinder head or gasket	2.00
10	Remove carbon and grind valves	6.00
11	Remove carbon only	4.00
12	Remove broken cylinder head bolt	6.00
13	Replace or clean crank case and oil tube, and install new gaskets	3.00
14	Drain crank case and change oil	.50
15	Replace starting crank	.50
16	Tighten one crank shaft line bearing	5.00
17	Tighten two or three crank shaft line bearings	6.00
18	Tighten all bearings on crank shaft	8.00
19	Replace oil pipe (no other work necessary)	8.00
20	Replace cylinder water jacket plug front or rear	2.00
21	Stop oil leak in or around valve cover	.50
22	Replace large time gear	4.00
24	Replace fan bracket	1.00

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIR

26	Overhaul engine	25.00
27	Rebore cylinders only	8.00
28	Rebore cylinders including fitting of pistons	10.00
29	Rebore and rebabbitt cylinder block including fitting pistons	15.00
30	Rebabbitt cylinder block only	4.00
31	Rebabbitt cylinder block, fit crank shaft and run in	6.00
32	Rebabbitt and rebore cylinder including fitting of pistons, crank shaft and running in	16.00
33	Rebabbitt and rebore cylinder block, fit pistons, valves, push rods, cam shaft, crank shaft, connecting rods and running-in	20.00

FOX LOCK STEERING WHEEL

We recommend the above wheel for the following reasons:

Protects your car from theft.
Eliminates insurance penalty.
Reduces Theft Premium 15%
Is correct in principle.
Sturdy in construction
Makes driving a pleasure.

Harig Motor Co.

366 BROADWAY -- LAWRENCE

View of Our Exclusive Ford Repair Shop

It's the Service That Counts!

We realize that future business depends on service to our customers. Our effort to secure and keep this business is reflected in our plant of 30,000 square feet, representing an investment of one hundred and seventy-five thousand dollars equipped with special Ford machinery, enabling us to overhaul and rebuild motors, rebore and re-babbitt blocks, give a complete battery service, carry a stock of $25,000 in genuine Ford parts and one of the largest stocks of commercial bodies in New England. This with a corps of employees thoroughly experienced in Ford products, that are always courteous and ready to serve you.

Harig Motor Co.

366 BROADWAY LAWRENCE, MASS.

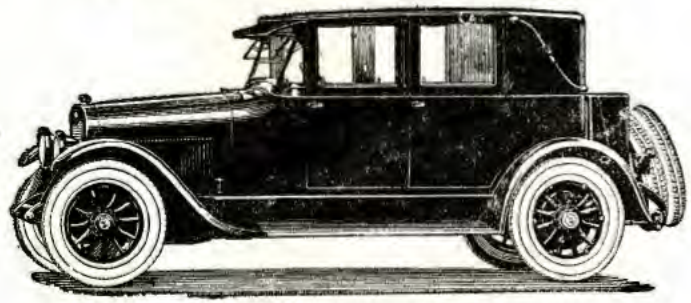
OUR PLANT STANDS BACK OF YOUR PURCHASE.

OUR TIME PAYMENT PLAN COST IS LOWEST AVAILABLE

View of Ladies Rest Room

LINCOLN

Ten body types in open and closed models.



Four Passenger Sedan

Harig Motor Company

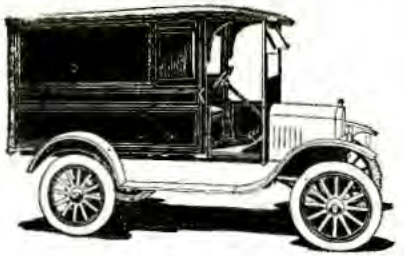
Authorized Distributors

366 BROADWAY, LAWRNCE, MASS.

We invite your comments on our service....Help us by your criticism

Martin-Parry

STANDARDIZED COMMERCIAL BODIES



Commercial Bodies, fitting every commercial use, composed of interchangeable parts, thus eliminating delays and minimizing cost in case of accident. All parts are standard and easily replaced.

Thirty-nine distinct models of the latest design and construction sold by Ford dealers from coast to coast.

Watch our advertising in the Saturday Evening Post.

Largest Builders of Commercial Bodies in the World.

Standard Speedometers

FOR ALL MODELS FORD

Accurate and Durable

Guaranteed One Year

IT'S A NECESSITY

In checking mileage from tires, gas and oil or general operating costs; in using route guides to advantage, and as protection against stringent speed laws, an accurate and dependable SPEEDOMETER is absolutely necessary. ASK YOUR DEALER **WHY** THE STANDARD SPEEDOMETER IS SO DEPENDABLE.

"Made in New England."

LABOR OPERATIONS ON FORDSON TRACTOR

Opr. No.		Labor Charge
34	Rebore and fit pistons and valves	9.00
35	Rebore, fit pistons, valves, push rods, straighten and fit cam shaft	11.00
36	Fit pistons, crank shaft, and running-in (rebored block)	5.00
37	Straighten crank shaft	1.00
38	Straighten cam shaft	1.00
39	Replace small time gear on crank shaft	.50

THE FUEL DIVISION

46	Overhaul fuel system complete	5.00

FUEL SUPPLY

47	Replace large fuel tank	1.00
48	Replace gasoline tank	.75
49	Replace fuel line (either one)	.50
50	Replace sediment bulb	.50
51	Overhaul sediment bulb	.75
52	Clean all fuel lines including shifter valve and spray nozzle	1.00
53	Repair small leak in fuel tank	1.50

AIR WASHER AND TUBES

56	Replace air washer	1.50
57	Overhaul air washer (dismantle clean and inspect)	1.50
58	Replace air washer float or baffle plate	.75
59	Replace primary or main air tube, tube flange or gaskets	.50

FLOAT CHAMBER

61	Replace float chamber assembly	.60
62	Overhaul float chamber assembly	1.00
63	Replace float in float chamber	.25
64	Replace or tighten spray nozzle or needle valve seat	.25

MANIFOLD

66	Replace manifold and vapor system complete	2.00
67	Replace vapor tube and clean shifter valve when necessary	1.00
68	Replace manifold	2.00
69	Replace shunt valve	1.00
70	Replace inlet and exhaust port gaskets	1.00
71	Replace manifold outlet	.60
72	Replace exhaust tube	.60

MIXING CHAMBER

76	Replace mixing chamber	.60
77	Overhaul mixing chamber	1.50
78	Clean gasoline passage in shifter valve	.50
79	Replace shifter valve	.60
80	Replace shifter valve lever	.60

Protect Your Investment—

How? "Amalie Oil" Best for Fords

You owe it to yourself to protect your Ford car, truck or tractor investment. Long life and economical use of automobile equipment depends almost entirely upon the **oil used.**

After thorough investigation and comparison of a number of lubricating oils, we have selected AMALIE 1-2-3 NON-CARBON OILS AND GREASES as BEST for Ford cars, trucks and tractors.

1 Gallon Can $1.00

Carry Your Own Oil With You

SPECIAL
5 GAL. CAN
$4.50

We Recommend and Guarantee "Amalie"

When you ask for oil at our service station you will get "Amalie." We suggest you have your crank case drained and filled with "Amalie," at once.

Barrel, per gal. 80c
½ Bbl., per gal. 85c
15 gal., per gal. 90c

Includes Drum and Faucet

Phone Today 980

HARIG MOTOR CO.,

366 BROADWAY -- LAWRENCE

AUTOMOBILE SPRINGS

—FOR—

ALL PLEASURE CARS AND TRUCKS

Also Repair, Reset and Retemper.

FRANK SNOW

West Street, Corner Bradford, Lawrence, Mass.

Have your springs inspected free of charge.

Our Equipment and Permanent Organization Means Something to You.

TRACTOR PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

Opr. No.		Labor Charge
86	Overhaul air washer	1.00
87	Overhaul vapor system	2.50
88	Replace vapor tube	.60
89	Overhaul mixing chamber	.75
90	Overhaul float chamber	.75
91	Repair small leak in fuel tank	1.00
92	Overhaul sediment bulb	.60
93	Repair small leak in air washer float	.60

IGNITION DIVISION

96	Replace magnets on flywheel	12.00
97	Replace magneto coil support	12.00
98	Replace commutator wire loom	.50
99	Replace commutator case or brush	.50
100	Replace coil box	.80
101	Overhaul coil box	1.50
102	Special tune up, adjust carburetor and coil units, changing points if necessary; clean spark plugs and commutator case and roller	1.50
103	Recharge magneto in car of tractor	3.50

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

106	Replace magnets on flywheel	1.00
107	Overhaul coil box	.50

COOLING SYSTEM DIVISION THE FAN

111	Replace starting pin or lower pulley	.50
112	Replace and adjust fan belt	.25
113	Replace fan assembly	.50
114	Overhaul fan assembly	1.00

THE RADIATOR

116	Replace radiator core or header gaskets	4.00
117	Replace lower tank to cylinder front cover gaskets	.80
118	Replace upper tank to fan bracket gasket	.80
119	Replace fan brackets to cylinder head gasket	.80
120	Replace top tank cover	.80
121	Replace side member (each)	1.20
122	Replace top tank or top tank to core gasket	2.50
123	Replace bottom tank or bottom tank to core gasket	2.50
124	Replace all gaskets	6.00
125	Repair one or two small leaks (when core is removed)	1.50
126	Replace headers (when core is removed)—each	1.20
127	Replace tubes (when core is removed)—each	1.00
128	Replace broken or leaky drain cock	1.00

You can't afford to not afford what you need.

TEL. CON. 4593

Leo A. Campbell

ELECTRICIAN

AMESBURY, COR. COMMON ST., LAWRENCE, MASS.

Buy Your Car From Us.

Easy Payment Plan

Buy Today—Have a Year to Pay

Call on phone—we will gladly give detail information.

HARIG MOTOR CO. LAWRENCE, MASS.

There is no such thing as TOO MUCH COMFORT

There is no such thing as TOO MUCH ECONOMY

There is no such thing as TOO MUCH SAFETY

And there is no such thing as TOO MUCH MOTOR CAR SATISFACTION.

Hasslers make your car ride easier.

Hasslers make your car last longer.

Hasslers make your car cost less.

Hasslers lessens your tire trouble.

Hasslers make your car safer.

On Hasslers you can go farther.

For FORD CARS For FORD TRUCKS

HASSLER

Shock Absorber

PAYS FOR ITSELF IN EXTRA MILEAGE FROM TIRES.

IN REDUCED UPKEEP OF THE CAR.

IN EXTRA MILEAGE FROM GASOLINE.

IN THE INCREASE RESALE VALUE OF THE CAR.

OVER AND OVER AGAIN IN THE COMFORT IT GIVES YOU.

ENDORSED FOR THE FORD TOURING, ROADSTER OR COMMERCIAL CAR BY NEARLY A MILLION USERS.

AN ECONOMIC COMMERCIAL NECESSITY FOR THE FORD TRUCK.

THE HASSLER GUARANTEE "ABSOLUTE SATISFACTION OR YOUR MONEY BACK."

FORD PARTS PRICE LIST SENT FREE ON REQUEST

TRACTOR PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

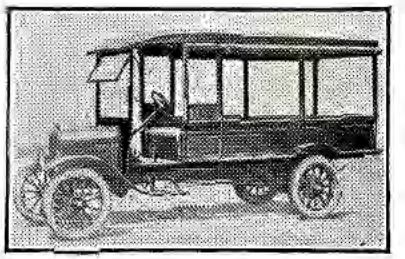
Oprn. No.		Labor Charge
132	Repair one or two small leaks in core	1.50
133	Replace headers—each	1.20
134	Replace tubes—each	1.00
135	Replace core	3.00

FRONT SYSTEM DIVISION

141	Overhaul front axle including rebushing, straightening and lining up and adjusting wheels	6.00
142	Rebush spindle bolts and arms—each	2.00
143	Replace or straighten axle (no other repairs necessary)	4.00
144	Rebush spindle body—each	1.50
145	Rebush spindle arm—each	1.00
146	Replace radius rod	.80
147	Straighten radius rod and line up assembly	1.50
148	Replace spindle arm, or body and line up assembly	1.50
149	Tighten all sockets and joint of front end	1.20
150	Replace steering connecting rod and line up assembly	1.20
151	Take play out of or replace steering drag link	1.20

Springfield Commercial Bodies

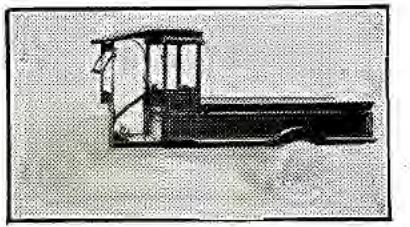
For both Ton Truck and ½ Ton Chassis.



A FULL STOCK OF DIFFERENT MODELS ENABLES US TO FURNISH YOU WITH A BODY TO MEET ANY REQUIREMENT.

SPRINGFIELD BODIES WILL GIVE YOU SATISFACTION.

THEY ARE BUILT TO LAST.



AMALIE OIL—BEST FOR FORDS

TRACTOR PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

Opr. No.		Labor Charge
156	Straighten front axle	1.00
157	Straighten radius rod	.50
158	Rebush spindle body and arm	.50
159	Rebush spindle arm	.25
160	Rebush spindle body	.25

TRANSMISSION DIVISION

165	Overhaul transmission including clutch and shifter plate	16.00
166	Overhaul transmission only	14.00
167	Install disc in or replace transmission housing plate	7.00
168	Overhaul clutch only	5.50
169	Overhaul shifter plate	2.50
170	Replace shifter plate	1.20
171	Replace or install belt pulley gear and drive shaft	7.00

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

176	Overhaul clutch	1.00
177	Replace bearing or gear on drive or transmission shaft	.50
178	Overhaul shifter plate	1.00
179	Replace or install belt pulley gear on drive shaft	.50

DASH AND CONTROL ASSEMBLY DIVISION

181	Replace dash assembly or gasket	2.00
182	Overhaul dash including steering gear and clutch pedal	5.00
183	Replace steering shaft	3.00
184	Replace steering arm rear	2.50
185	Replace steering sector or pinion	2.50
186	Replace wheel or spider	.50
187	Replace clutch pedal, cam release plate, or lever, or adjust clutch	2.50
188	Replace any of the control or adjustment rods	1.00

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

196	Overhaul dash, including steering gear and clutch pedal	1.25
197	Replace steering shaft	.50
198	Replace steering arm, rear	.50
199	Replace steering sector or pinion	.50
200	Install wheel on spider	.25
201	Replace clutch, pedal cam, release plate or lever	.50

Joseph F. Nolet

Auto Tops, Trimming and Upholstering

Curtains, Cushions, Slip Covers made and repaired.

QUICK SERVICE—**'Phone 3109**—PRICES RIGHT

362 Broadway, Lawrence, Mass.

If you run a Ford, why not a Bank account?

We welcome accounts in our banking department or our savings department.

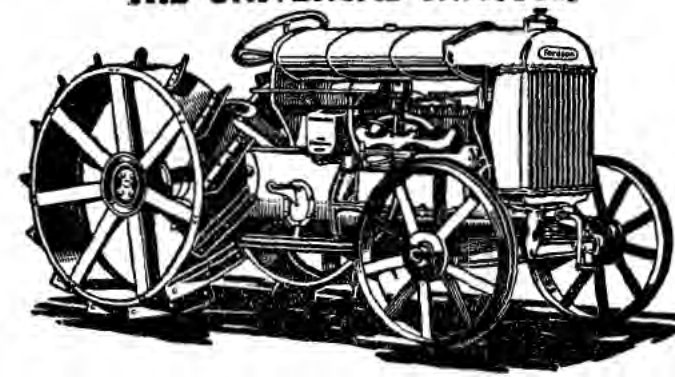
Or we will rent you a SAFE DEPOSIT BOX for your valuable papers.

MERCHANTS TRUST COMPANY

238—ESSEX STREET—590

Fordson

THE UNIVERSAL TRACTOR



$395

f. o. b. Detroit

LET US DEMONSTRATE TO YOU FREE

HARIG MOTOR CO.

366 BROADWAY -- LAWRENCE

LABOR OPERATIONS ON FORDSON TRACTORS
REAR SYSTEM DIVISION

Opr. No.		Labor Charge
206	Overhaul rear axle assembly	10.00
207	Install felt washer on axle, one side	1.00
208	Replace axle shaft or differential gear, one side	5.00
209	Replace axle shaft or differential gear, two sides	7.00
210	Replace worm or worm bearing	3.00
211	Replace worm and gear	7.50
212	Line up differential	3.50
213	Replace axle housing, right or left each	2.50
214	Replace transmission housing	10.00
215	Replace draw bar cap	.50
216	Replace rear wheels each	1.00
217	Remove broken cap screw from rear hub	2.00
218	Replace outer roller bearing sleeve, each	1.25

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

226	Overhaul differential assembly	2.00
227	Replace differential gear on axle shaft	.75
228	Replace bearing on worm	.75
229	Overhaul rear axle and transmission including shifter plate when rear is delivered	10.00
230	Replace transmission housing when rear end assembly is delivered	5.00

WHEEL DIVISION

236	Replace bearings in front wheels each	1.00
237	Replace bearings in front wheels and install new races—each wheel	1.50
238	Install new cleats—each	1.00
239	Install new cleats, complete wheel	15.00
240	Install grousers, each wheel	3.00
241	Install extension rim necessary to drill wheel	4.00

PARTS BROUGHT IN OR SHIPPED IN FOR REPAIRS

246	Install new bearings, or races in front wheels, each	.60
247	Install new cleats, each	1.00
248	Install new cleats, complete wheel	15.00
249	Install grousers, each wheel	3.00
250	Install extension rim when necessary to drill wheel, each	4.00

Low Price On New Ford Motor

With Transmission and Equipped for Starter.

$115.00

HARIG MOTOR COMPANY 366 BROADWAY

MISCELLANEOUS DIVISION

Opr. No.		Labor Charge
256	Install belt pulley	1.00
257	Overhaul belt pulley when removed from tractor	1.00
258	Replace seat or seat springs	.50
259	Paint tractor	10.00

SUGGESTIONS

The battery requires constant care. Have hydrometer reading taken and water replenished every two weeks.

A loose battery terminal will cause light bulbs to burn out.

What looks worse than a lop-sided car? See that spring tie bolts are in place and tight.

Loose rear hubs cause broken axle shafts—Tighten them.

Springs kept greased ride easier and save breakage.

Auto Windshields

RESET—Garage Doors and Windows.

W. F. Taylor and Sons

634-A Essex Street

FOR FORD STORAGE, BATTERY AND GENERATOR SERVICE—

CALL OR PHONE

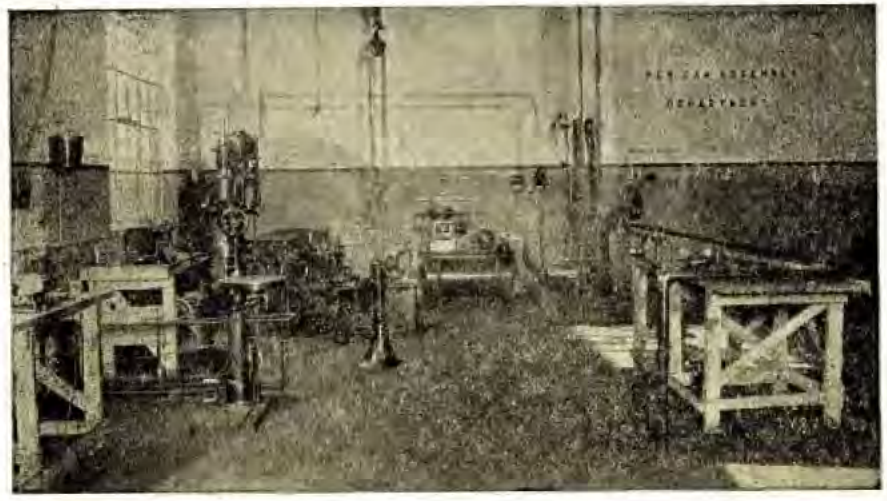
K-N Storage Battery Co.

SERVICE EXIDE STATION

OFFICIAL

Phone 4883, 52 Franklin St. Lawrence.

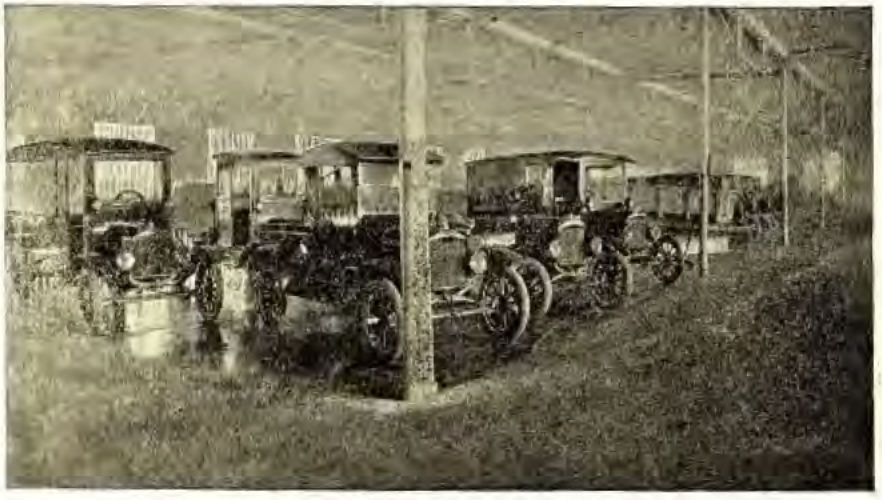
SECTION OF OUR PARTS AND ACCESSORIES DEPARTMENT. A STOCK OF $25,000 WORTH OF GENUINE FORD PARTS ALWAYS ON HAND.



A VIEW OF OUR MACHINE SHOP WHERE FORD MOTORS AND REAR AXLES ARE COMPLETELY OVERHAULED BY SPECIAL FORD MACHINERY.

Additional Copies of this PRICE LIST FURNISHED FREE.

VIEW OF A SECTION OF OUR SALESROOM. ALL MODELS OF FORD AND LINCOLN CARS ON DISPLAY.



GENERAL VIEW OF MAIN FLOOR OF SHOP AND REPAIR DEPARTMENT

Your Patronage Is Our Aim.

COMMANDMENTS OF THE ROAD

Rules for Autoists and Motorcyclists

By Frank A. Goodwin, Registrar of Motor Vehicles.

At our request, the following commandments and rules for motorists have been prepared by Frank A. Goodwin, Massachusetts Registrar of Motor Vehicles. They are the result of Registrar Goodwin's experience in dealing with motorists and are based in the analysis and tabulation of thousands of automobile accidents which have been studied by the Registrar.

First—Don't "cut in ahead" unless you have a clear view in front for a distance of 300 feet.

Second—Don't try to pass others on a curve.

Third—Slow down and blow your horn at corners. The slowing down is more important than blowing the horn.

Fourth—Watch out for the children. Expect them to run into the street.

Fifth—Never take a drink of liquor before driving a car. Speed and rum are the two great causes of auto accidents.

Sixth—Don't talk back to a policeman.

Seventh—Learn to use the proper hand signals.

Eighth—Cutting left-hand corners is one of the most dangerous things a motorist can do.

Ninth—Keep your windshield clean.

Tenth—Keep your brakes in good working order.

Eleventh—Adjust your headlights. Put yourself in the place of others whose eyes may be dazzled by your lights.

Twelfth—The danger time is when you feel in a hurry. By driving carefully you may lose a minute, but save a life.

F. M. & T. E. Andrew

Bay State Building
LAWRENCE, MASS.

We Insure Every Insurable Liability—and represent the largest, strongest, and most --reliable Companies--

AUTOMOBILE FLOATER INSURANCE
AUTOMOBILE PUBLIC LIABILITY
AUTOMOBILE COLLISION INSURANCE
AUTOMOBILE PROPERTY DAMAGE INSURANCE
STEAM BOILER INSURANCE
ENGINE DAMAGE INSURANCE
FLY WHEEL INSURANCE
LIVE STOCK INSURANCE
FIRE INSURANCE
USE AND OCCUPANCY INSURANCE
RENT INSURANCE SURETY BONDS
CYCLONE AND RAIN INSURANCE
BURGLARY INSURANCE
COMPENSATION INSURANCE
LEASEHOLD INSURANCE
GENERAL LIABILITY INSURANCE
ETC., — ETC.

One of our representatives will call on you if desired and explain fully any one of the above policies.

F. M. & T. E. ANDREW
BAY STATE BUILDING
LAWRENCE, MASS.

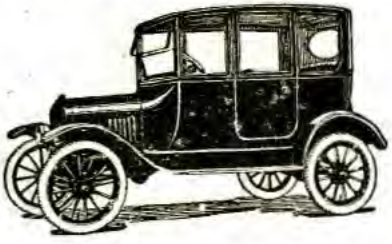
Ford

THE UNIVERSAL CAR

Runabout, Regular, $269

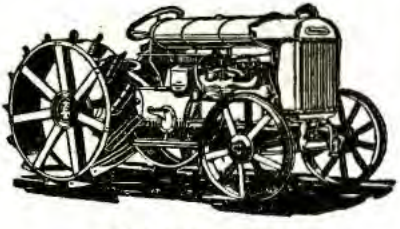
Touring Regular, $298

4-Door Sedan, $725



2-Door Sedan, $595

Coupe, $530



Tractor, $395

All Prices F. O. B. Detroit

NEW LOW TIME PAYMENT PLAN

HARIG MOTOR COMPANY

Lincoln Ford Fordson

CARS-TRUCKS-TRACTORS

366 BROADWAY -- LAWRENCE