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Candler

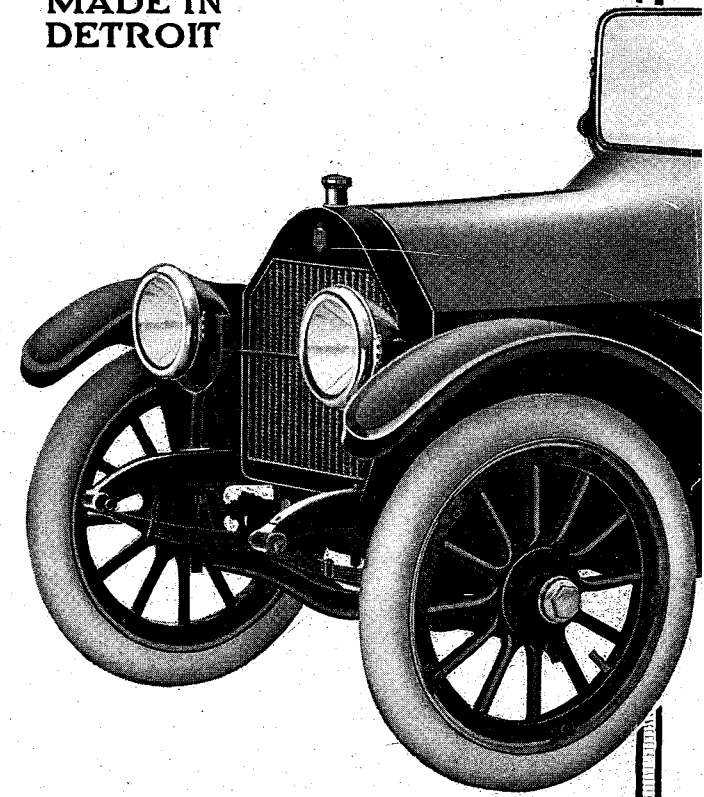
MOTOR RADIATORS

Brains, Long Experience, Modern Manufacturing Methods, Complete Facilities, Ample Capital.

Coupled with an Active Organization, Low Overhead Expenses, Specializing in One Device, with Guaranteed Service and Satisfaction to customers, Results in a Commercially Perfect Product.

This is the Principle on which CANDLER Radiators are Manufactured and Sold.

MADE IN
DETROIT



CANDLER RADIATOR COMPANY
DETROIT, MICHIGAN.

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Candler Motor Radiators

Candler "Special"
Candler "Cellular"

As Adapted to Automobiles, Motor Trucks, Motor
Tractors and Aeroplanes

DETROIT
CANDLER RADIATOR COMPANY
1084-90 JEFFERSON AVENUE, EAST

FOREWORD

The manufacture of Gasoline Motor Vehicles has grown to represent one of the country's greatest industries from every practical view-point. Corporations so engaged have advanced to a high state of perfection, the most successful of which are marketing a product to meet the exacting demands of the public and at a fair margin of profit.

Equally important in the development of this industry are the strides made by the so-called "parts" manufacturers, being equal to the demands of both manufacturer and public by supplying high quality specialties and in full accord with the specifications of designing engineers.

It is logical, therefore, that manufacturers use extreme caution in selecting parts for a Motor Car which are adopted only after stringent tests and the consideration of a fair selling price. Each season finds the tendency of manufacturers to more carefully scrutinize the accessory maker. His ability to manufacture a product highly efficient, with ample strength or handsomeness in appearance according to the requirements, as well as the organization back of the specialty, their financial status and ability to fulfill a contract in all particulars.

Standardization has been the watchword of engineers from which the buying public has surely benefited.

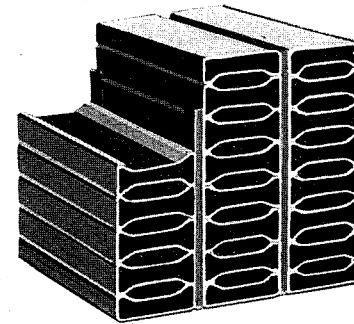
There is no specialty contributing to the make-up of a motor vehicle which is so delicate in construction, so special in design, yet so vital as to strength, beauty and efficiency, as the Radiator. While standardization has been accomplished to a degree in Radiator design, the motor car manufacturer has found it necessary to incorporate distinctive features in his car, the most notable of which is the size, shape and style of the Radiator.

It follows, therefore, that Radiators are made from manufacturers' own blue prints and specifications and are usable only on such particular model of car. For this reason Motor Car Manufacturers use unusual discretion in placing a radiator contract, as their own output is virtually in the hands of the radiator builder, which could be seriously hampered by inability to make ample and prompt deliveries and supply a product mechanically perfect. More important, the possible loss of business and prestige through the failure of some specialty to properly perform its function, when out in the field.

The Candler Radiator Company manufactures and markets Candler Radiators in the full belief of the foregoing statements, and in adopting such a policy believes that it comes as near as possible to meeting the conditions and exacting requirements of Motor Car Manufacturers as well as Motor Car Buyers.

The Candler Radiator Co. are producing two styles of radiators, the Candler "Special" and the Candler "Cellular", both types being clearly described and illustrated herein.

The Candler "Special" Radiator



At a glance you will observe that the "Candler Special" consists of I-Beam sections mounted one upon another in series which are thoroughly soldered forming a complete solid unit, also the spacing between water flows. A strong piece of channel shaped heavier metal is placed between each of these units and the entire assembly immersed in solder front and back. Flat sided sections of heavier gauge metal are attached to top and bottom of core to which is sweated angle strips for fastening to tanks.

In submitting Radiator quotations the following data is required:

Number of cylinders in motor, bore and stroke, type of water circulation, is fan used, detailed blue print of radiator and quantity desired.

With this information, estimate may be accurately and quickly compiled.

Why the Candler "Special" is Superior

SIX SALIENT FACTS

Efficiency—A good free air and water space is essential to a successful radiator, also that the water come in direct contact with the radiating metal. In the "Candler Special" these features are exemplified as in no other type giving the maximum of efficiency. A fact that has been proven by a number of stringent comparative tests.

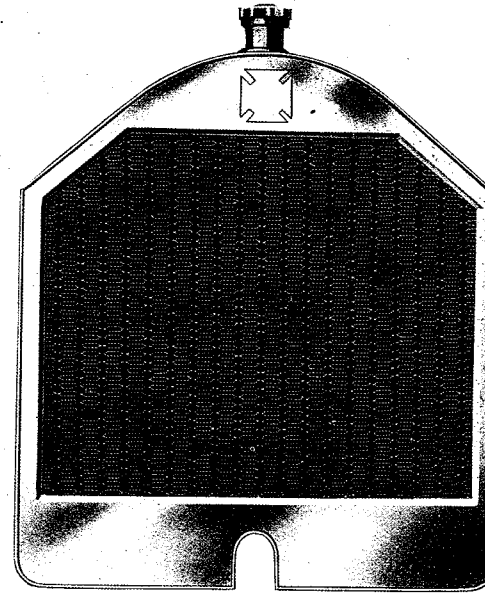
Strength and Durability—The "Candler Special" is so constructed that it has from $\frac{1}{8}$ " to $\frac{1}{4}$ " laps on all points of contact. These are thoroughly soldered and together with the I-Beam design produces a radiator with unusual Strength and Durability, in reality reinforced at the usual weakest points.

Appearance—The "Candler Special" is pleasing in appearance and remains so constantly. Its solid construction does not permit the fins to loosen or bend out of shape from the vibration to which a radiator is subjected. Examine a Candler Radiator which has been in use for several seasons, and you will be convinced. No part of the car is more prominent than the radiator and it contributes largely to the beauty of a motor car.

Non-Leakable—As no head sheets are used in the "Candler Special" the annoyance and inevitable source of leaks, due thereto and common in most radiators is obviated. Each individual I-Beam unit is totally soldered, and after being assembled, entire core is thoroughly soldered front and back. Water tanks and fittings are made of ample gauge and reinforced. In addition, its strength as above mentioned is practically an insurance against leaks.

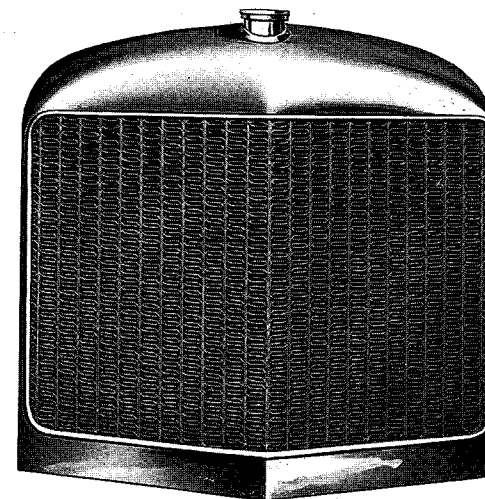
Non-Freezable—The design of the "Candler Special" and the construction of the core is such that the fins or radiating metal act as a natural expansion joint for the water tubes. This precludes the possibility of leakage through freezing of water in the radiator.

Ease of Repair—A strong feature prevailing in the "Candler Special" is the ease with which radiator may be repaired, and in consequence repairs may be made at a low expense. Any number of I-Beam sections may be removed independently of the other and replaced with new sections by any good tinsmith, and more important, without marring the appearance or injuring the efficiency of the radiator.



Candler Special "Empire"

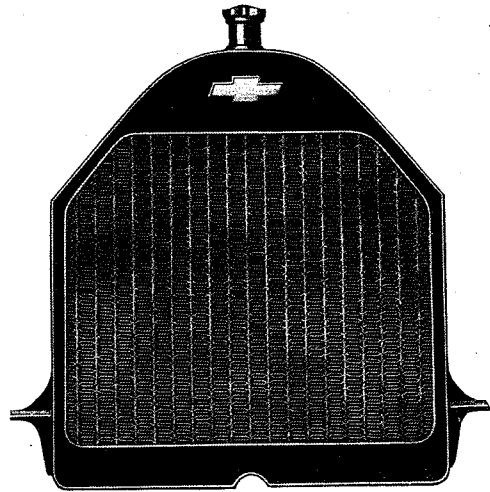
Strength — Beauty — Perfect Alignment of Fins.



Candler Special "V" Front

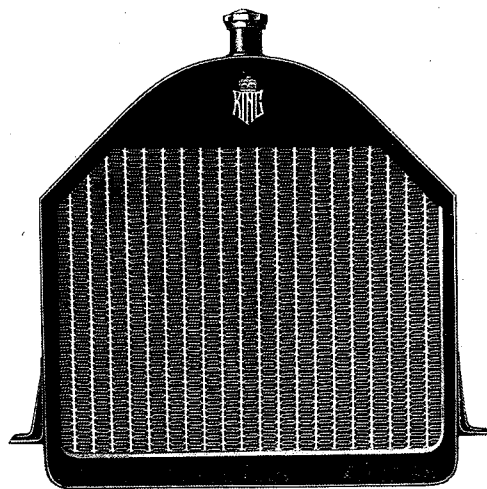
Showing Adaptability to Special Designs and Shapes.

CANDLER RADIATORS



Candler Special "Chevrolet"

Proper Division of Air and Water Space for highest Efficiency. All Metal in Direct Contact with Water.

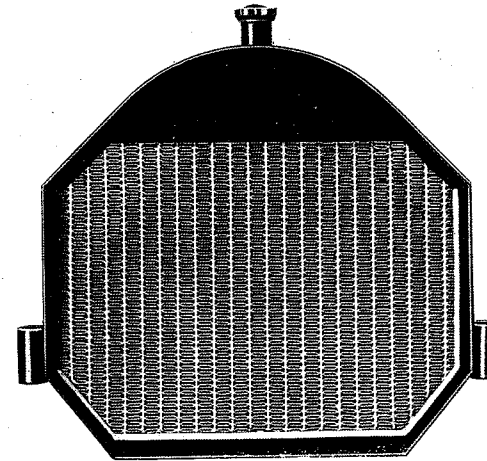


Candler Special "King"

Unusual Strength — I-Beam Plates not only Radiating but Strengthening.

CANDLER RADIATORS

Candler "Special"—Ideal for Truck and Tractor Service



Candler Special "Republic"

One-Ton Truck Radiator with Side Bracket Supports. Heavily Reinforced and with Ample Cooling Surface.

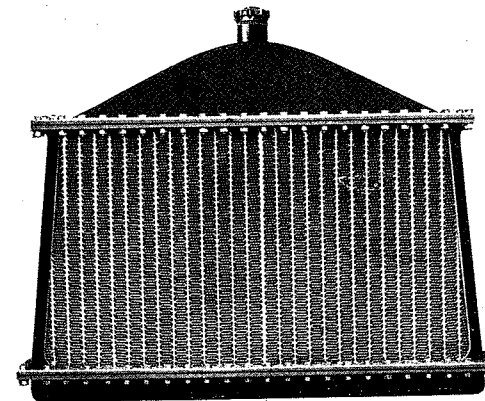
The continuous service of a Motor Truck establishes its economy. Those which are out of use through faulty construction or design are a heavy expense to the user.

The Radiator problem in Motor Trucks is one of importance, due to the high efficiency required, as well as the hard service to which the radiator is subjected.

The "Candler Special" Radiator through its efficiency and extra strong design and construction is, beyond a doubt the nearest to a mechanically perfect Truck and Tractor Radiator on the market today. This we are prepared to demonstrate conclusively.

Our description of the "Candler Special" in the previous pages, particularly as applied to efficiency, strength and durability, non-leakable and non-freezable features, as well as ease of repair, contribute largely to the success of the Candler "Special Truck" Radiator.

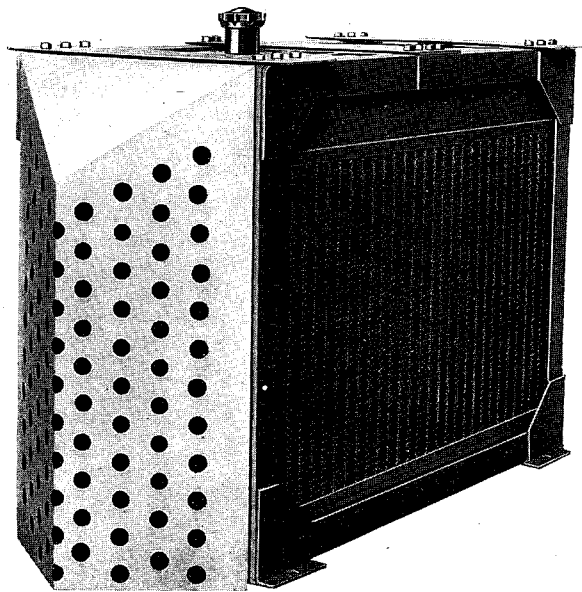
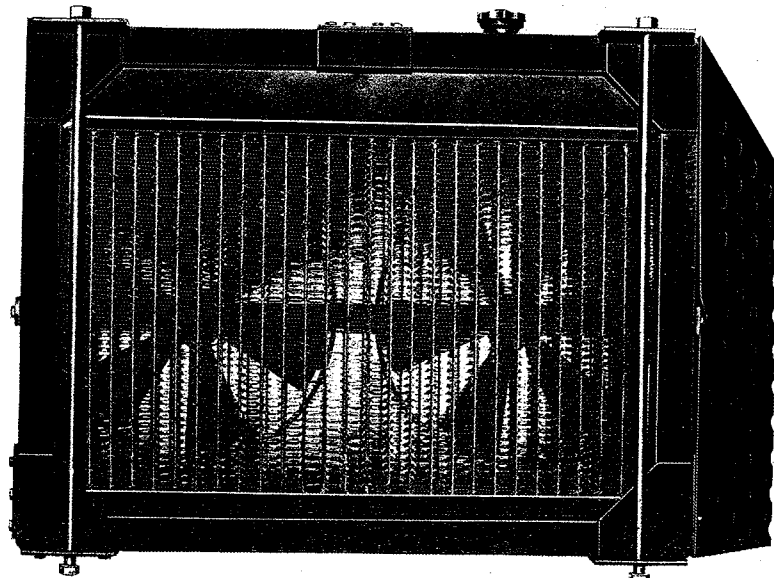
In addition, our policy of reinforcing and strengthening the tanks and frame of radiator means that Truck and Tractors equipped with the "Candler Special," are not out of order through Radiator troubles. In short, the "Candler Special" is a Real Truck Radiator.



Candler Special "Cast Iron Tanks"

Three-Ton Truck Radiator with Detachable Cast Iron Tanks. This Construction Embodying Candler Design is Practically Leak Proof.

CANDLER RADIATORS

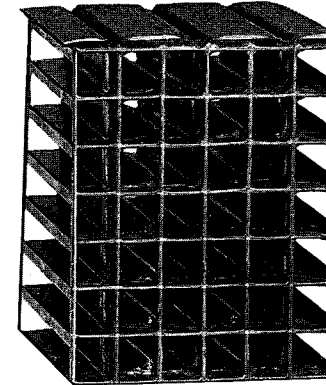


The Candler "Special" Tractor Radiator

A Successful Tractor Radiator—Note particularly the reinforcements insuring ample strength. Cut above also portrays the large and free air space in core so essential in motor cooling.

CANDLER RADIATORS

The Candler "Cellular" Radiator



Several manufacturers of automobiles are demanding a radiator of square tube effect in appearance—yet with ample strength, efficiency and with particular regard to light weight and cost of production.

To meet these requirements, we have spent many months in exhaustive experimenting and designing with a desire to produce a radiator containing the good points of similar makes, and incorporating our own.

Your particular attention is called to its unique design and construction which will illustrate its many points of superiority. It embodies the Candler features of strength, efficiency, beauty, lightness, ease of repair, and can be furnished at a price of interest.

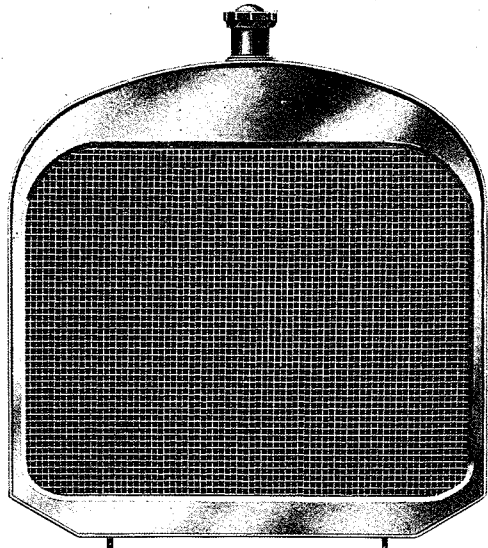
Vertical flat water tubes made of pure non-corrosive sheet copper and in consequence having greater heat radiating qualities are spaced $\frac{5}{8}$ " apart. These tubes are also larger and with more water capacity than any other make. Assembled between same are brass separators as indicated by cuts hereon. The separator forms the square tube effect also a reinforcement to the tubes as well as a powerful heat removing unit. This construction affords a free air and water circulation. It is much greater than in other styles of Cellular Radiators by reason of the proper division of air and water chamber, together with the ease in which the air and water passes through the core.

In the Candler Cellular type, there are less soldered joints than in any other style, these joints being designed so that they are accessible and easily repaired, if necessary. Bursting of tubes by freezing therein is reduced to the minimum, owing to the allowance for expansion.

Important in the design of the Candler Cellular, is that only a small amount of solder is necessary in its manufacture, also its extreme lightness without sacrificing strength, meaning a saving of both labor and material.

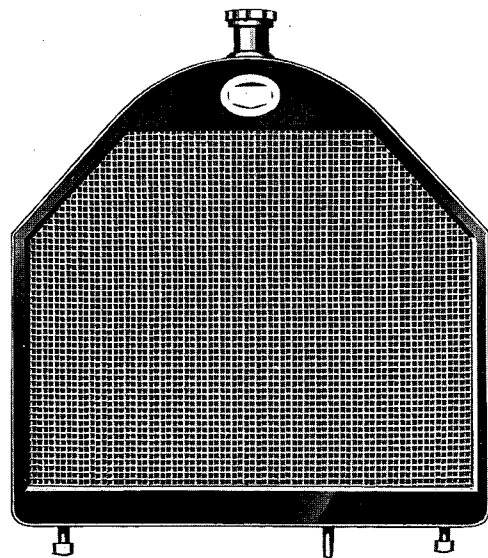
On the whole, here is a Radiator superior to any radiator of the Cellular type and containing all the attributes of a successful radiator together with the superior Candler features aforementioned.

CANDLER RADIATORS



Candler Cellular "R. C. H."

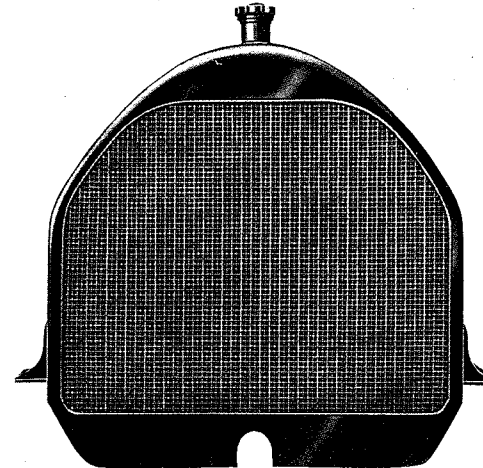
Handsome in Appearance,
Strength and Lightness.



Candler Cellular "Paige"

Pure Copper Water Tubes
Non-Corrosive and with In-
creased Efficiency.

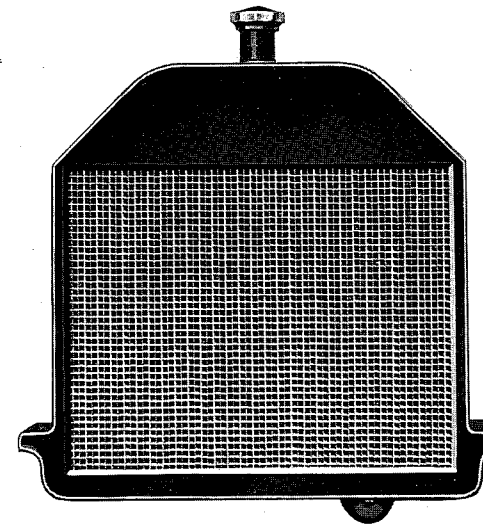
CANDLER RADIATORS



Candler Cellular--"Rolled Edge Frame"

While Beauty Predominates,
Efficiency is not Sacrificed.
Larger Water Spaces than
other Makes as well as free
Circulation of Air.

A Special Service Department



A department is main-
tained for the manufacture
of special radiators, also the
repairing and rebuilding of
any style or make of radiator.

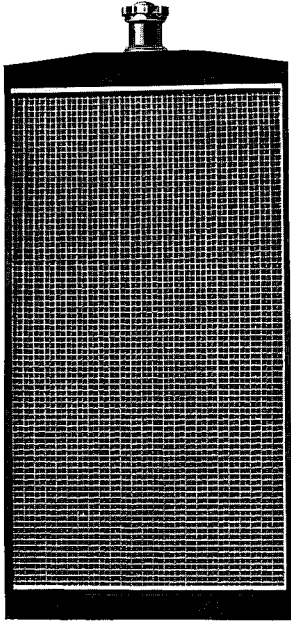
Expert workmen enable us
to assure high grade work-
manship at a minimum
expense.

Damaged radiators rebuilt
—leaky radiators repaired—
the equal of new radiators.

We will be pleased to supply
estimates before undertaking
the work.

Candler service predom-
inates in this department.

CANDLER RADIATORS



The Candler Cellular Radiator lends itself strongly to Aeroplane use. Its efficiency, strength and extreme lightness has made it particularly adapted to this field.

As an example, this illustration shows a Radiator measuring 32" long, 16 $\frac{1}{4}$ " wide and 2 $\frac{5}{8}$ " thick, and radiator weighs but 26 pounds.

A considerable saving in weight without sacrificing strength nor efficiency.

MATERIALS.

The materials used in Candler Radiators are of the best possible grade—probably considered more expensive at first cost. Using such a high grade of material reduces our labor cost, the benefit from which is mutual.

WORKMANSHIP.

Competent mechanics directed by an expert sheet metal worker cause us to pride our high quality or workmanship. Close and careful inspection guarantees a highly satisfactory and uniform product.

DELIVERIES.

The Candler Organization regards dependable deliveries as a great asset. Shipments are made according to promises unless a cause of delay should be totally beyond our control.

REAL SERVICE.

By this we mean that a customer's requirements must be taken care of—and promptly. Further, that nothing within our power is spared to reach the desired result.

Are YOU acquainted with CANDLER Service?

If not you ought to be.