

AXLE

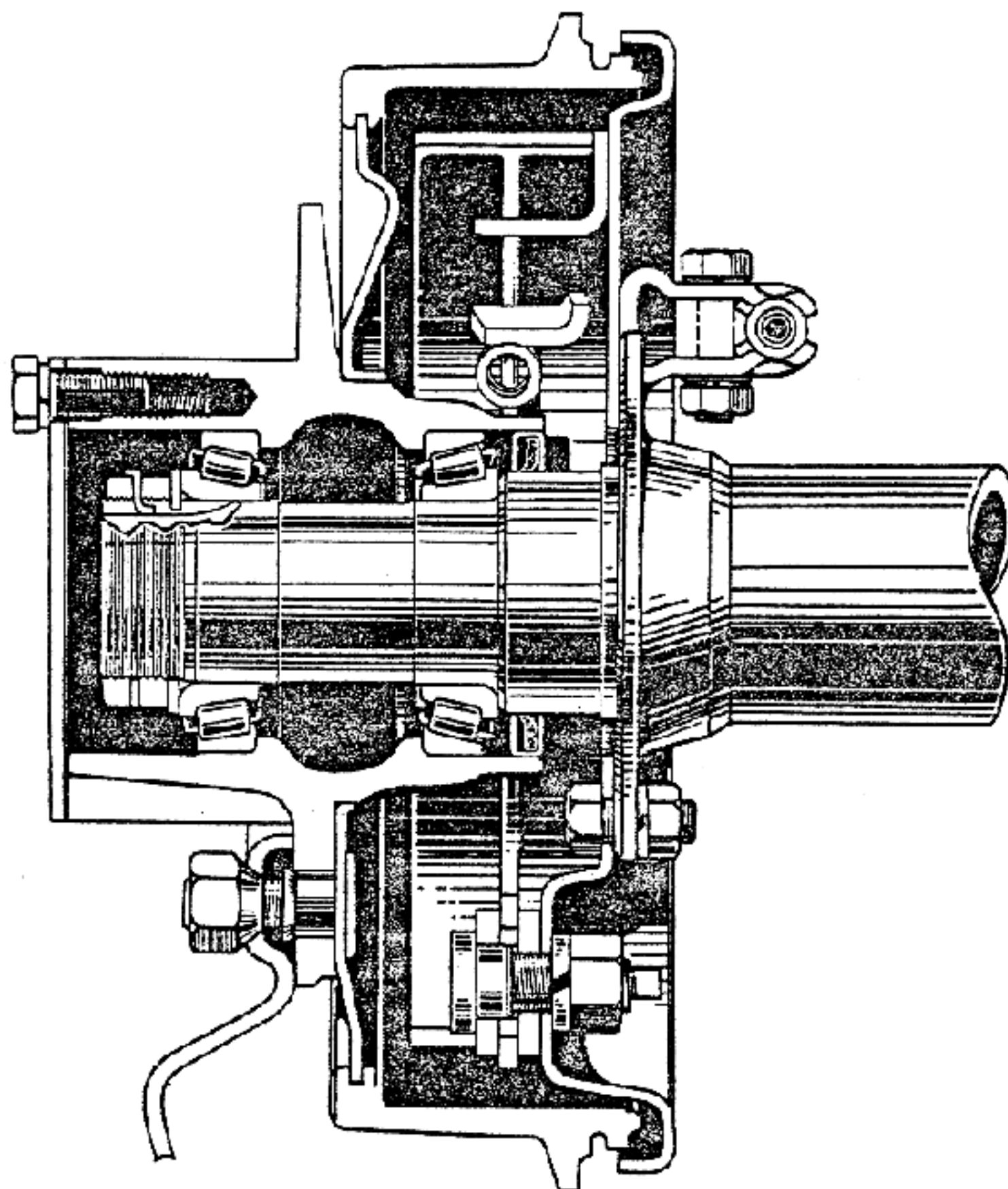


FIG. 7—SECTIONAL VIEW OF AXLE

The axle, Fig. 7, is of the tubular type. Wheels are supported on two taper roller bearings on the axle housing. The bearing races are pressed into the wheel hub and the adjustment of the bearings made by adjusting nuts on each end of the axle.

A removable steel cover or cap is used on the wheel hub to permit inspection and access to the wheel bearings.

Removing Axle from Vehicle

To remove the axle, first raise the vehicle and support the frame under the body so that the wheels will clear the floor. Next remove six screws and the wheel hub cap from each wheel; bend back lugs on the wheel bearing outer nut lockwasher, remove nut, washer and wheel bearing adjusting nut after which remove wheel and hub assembly.

Remove six bolts from the brake backing plates. Next remove the axle spring clip nuts and clips after which the axle can be removed from the vehicle.

Reassembly is the reverse procedure. Due attention should be given to the wheel bearings so that they are properly adjusted. Tighten the inner adjusting nut until the wheel binds, at the same time rotate the wheel and make sure that all surfaces are seating properly. Back off the nut $\frac{1}{8}$ turn or more, if necessary, until the wheel turns freely, after which replace the outer nut lock washer and lock nut and be sure to bend over the lock washer lug. Make sure wheel turns freely after tightening lock nut. See Lubrication Section for details concerning proper lubricant.

AXLE TROUBLES AND REMEDIES

SYMPTOMS	PROBABLE REMEDY
Swaying	
Bent axle.....	Check and straighten
Broken spring main leaf.....	Replace
Axle shifted.....	Spring center bolt broken
Loose spring shackles or clips.....	Adjust or replace
Tire pressure uneven.....	Inflate to 30 lbs.
Loose wheel bearings.....	Adjust
Broken wheel bearing.....	Replace
Springs settled or broken.....	Repair or replace
Trailer load on one side.....	Reload to distribute weight
One brake dragging.....	Adjust

AXLE SPECIFICATIONS

Axle	
Type.....	Tubular
Tread.....	49"
Bearings	
Make—Wheel Hub.....	Timken
Cone and Roller.....	Inner 18590 Outer 18590
Cup.....	Inner 18520 Outer 18520