BRAKES

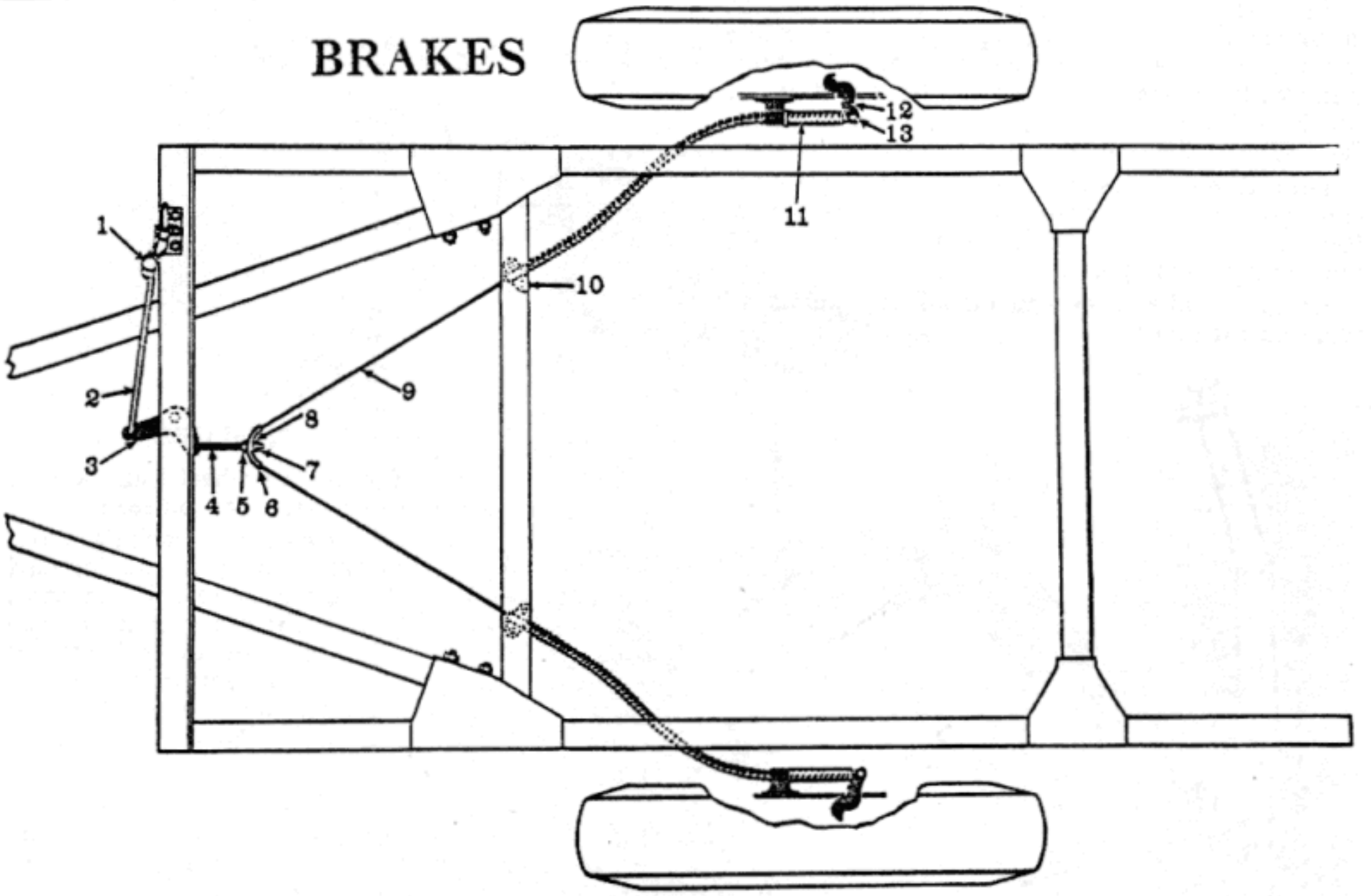

FIG. 8—BRAKE SYSTEM

Item No.	Gov't Group No.	Bantam Part No.	Willys Part No.	Name
1	1201	14302	A-6378	Hand Brake Lever Assembly Complete
2	1201	14305	A-6400	Hand Brake Lever Rod
3	1201	14306	A-6000	Hand Brake Bell Crank
4	1201	14328	A-6516	Hand Brake Cable Hook Bolt
5	1201	31x2-R	50802	Hand Brake Cable Hook Bolt Nut
6	1201	14327	A-6768	Hand Brake Cable Equalizer
7	1201	35x27	53049	Hand Brake Cable Hook Bolt Pal Nut (Lock Nut)
8	1201	31x2-R	50802	Hand Brake Cable Hook Bolt Nut
9	1201	14325	A-6406	Hand Brake Cable and Conduit Assem.
10	1201	14156	A-6766	Hand Brake Cable Conduit to Frame Clip
11				Hand Brake Return Spring (Part of Cable)
12	1203	14372	637906	Hand Brake Cam Lever
13	1201	14436	A-6526	Hand Brake Cable Clevis Pin (End to Cam Lever)

The Brake System is a hand operated parking brake, Fig. 8. The brakes are the Bendix, internal expanding, double anchor, two shoe type, cable controlled. The hand lever is on the front side of the body at the right; pull to the right to apply the brakes. A button type release is located in the top of the lever.

When the hand lever goes almost to the limit of the ratchet quadrant, adjust the brakes as follows:

Jack up the wheels to clear the floor. With a wrench loosen the lock nut Fig. 9, No. 1, on the forward brake shoe. Hold lock nut and with another wrench turn the eccentric toward the front of the vehicle until the brake shoe strikes the drum, then turning wheel with one hand release the eccentric until the wheel turns freely; hold the eccentric and tighten the lock nut. Repeat this operation on the reverse shoe only turn the eccentric toward the back of the vehicle. Do this on both wheels.

Brake Shoe Adjustment—Major

To make major brake adjustment involving the setting of the anchor pins, Fig. 9, No. 2; after the above minor adjustment, loosen the anchor pin lock nuts on the rear of the backing plate and turn the eccentric anchor pins toward each other and down until the shoes are set to the proper clearance .005 inch clearance at the heel (lower end) and .008 inch at the toe (upper end) of the brake shoe lining as determined by feeler gauges. A slot is provided in the brake drum for checking these clearances when the wheel is off. Do this on both wheels.

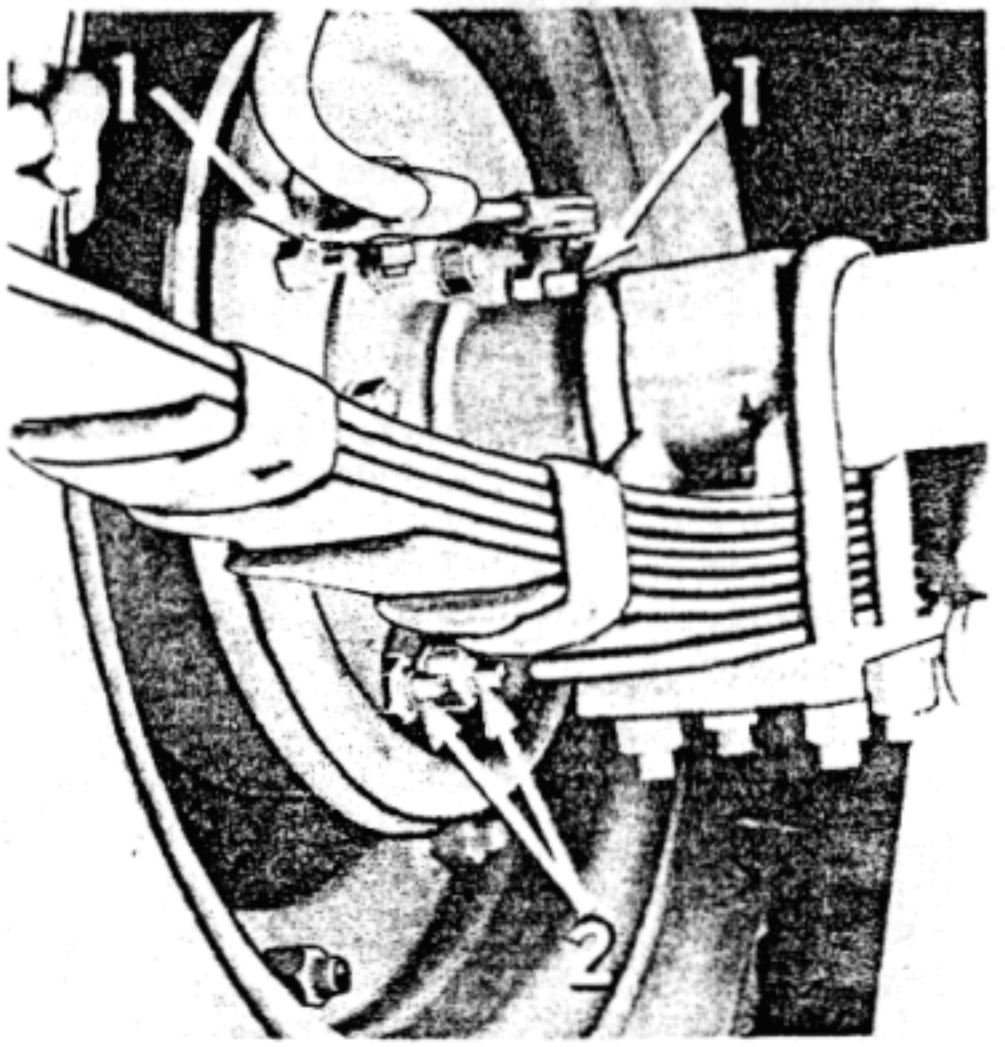

FIG. 9—BRAKE ADJUSTMENTS

Relining Brakes

Relining of brakes will not be required except in unusual instances. When necessary to reline the brakes, raise both wheels free from the floor. Remove the wheels and then the hubs and drums which will then give access to the brake shoes. See "Wheel" Section, Pg. 15, for instructions.

Turn all eccentrics to the lower side of the cam, and then remove the brake shoe contracting spring. Remove anchor pin nut, lockwashers and anchor pins from backing plate.

Remove brake shoes and install new linings or replacement shoes.

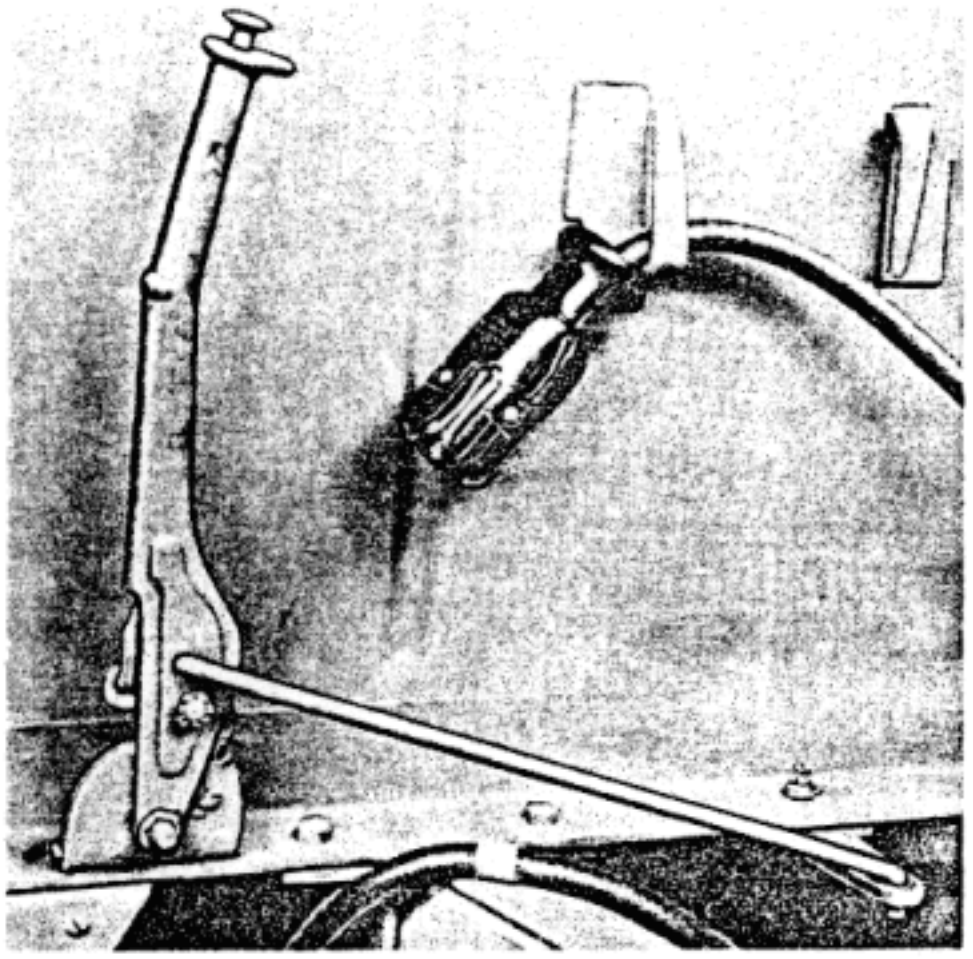

FIG. 10—HAND BRAKE LEVER

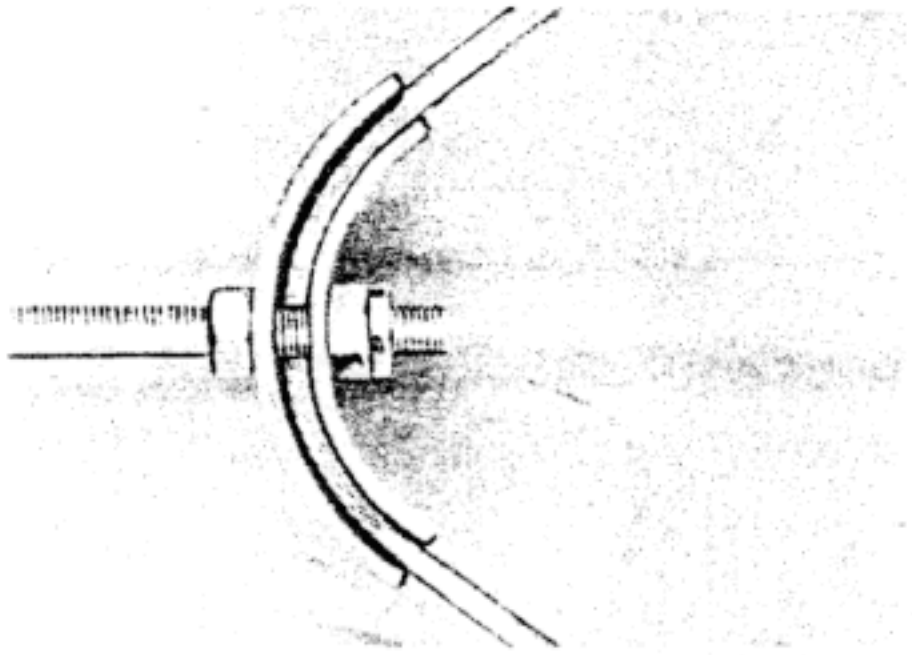

FIG. 11—BRAKE EQUALIZER

Inspect the oil seals in the wheel hubs and if grease has been leaking, install new oil seals.

Install brake shoes on the brake backing plate, the shoe with the longest lining is the forward shoe. Install anchor pin, pin plate and pin cam; then install anchor pins so the punch mark on the ends are facing each other. Install lock washer and nut, install brake shoe returning spring. Install the hubs and drums, then make a "Major" adjustment of the brakes. See Pg. 13.

Hand Brake

The brake system should be adjusted only after the wheel brakes are adjusted. Pull up the hand brake lever, Fig. 10, two notches and adjust the brake cable hook bolt No. 4 in Fig. 8 by loosening the lock nuts on either side of the cable equalizer. See Fig. 11. Take up the adjustment until a slight drag is felt at the wheels, then lock in place. The wheels must be free from drag when the hand brake is released.

BRAKE TROUBLES AND REMEDIES

SYMPTOMS	PROBABLE REMEDY
Brakes Drag	
Brake shoes improperly adjusted	Readjust
Lever does not fully release	Lubricate cables in conduits.
One Brake Drags	
Cable stuck	Free and lubricate
Brake shoe adjustment incorrect	Adjust
Retracting spring broken	Replace
Loose or damaged wheel bearings	Adjust or replace
Trailer Pulls to One Side	
Brake anchor pin adjustment incorrect	Adjust
Dirt between lining and drum	Clean with wire brush
Drum scored or rough	Turn drum and replace lining
Loose wheel bearings	Adjust
Axle spring clips loose	Tighten
Brake backing plate loose	Tighten
Tires under-inflated	Inflate to 30 lbs. pressure
Tires worn unequally	Replace
Brakes Do Not Hold	
Oil on lining	Replace lining
Improperly adjusted	Major adjustment
Brake lever or cable stuck	Free and lubricate

BRAKE SPECIFICATIONS

Brakes	
Type	2 Wheel Mechanical
Size	9" x 1¾"
Brake Shoes	Bendix
Lining area (total)	58.79 Sq. in.
Length Lining—Forward shoe	10 7/32"
Length Lining—Reverse shoe	6 37/64"
Width	1¾"
Thickness	3/16"
Brake Return Springs:	
Brake Shoe Return Spring	
Free Length	5 13/16"
Load when extended to 6 3/16"	40 lbs.