35 "CARDATA"* FEEDER (EPCF)

LUBRICATION

CONTENTS PAGE

1. GENERAL

1.01 This section provides lubrication for the 35 "CARDATA" feeder (edge punched card feeder) (Figure 1).

1.02 References made to left, right, front, or rear, etc apply to the feeder in its normal operating position as viewed from the operator's position in front of the feeder. If it is difficult to lubricate a part in the position specified, the unit should be turned to a position in which the part is accessible.

1.03 Refer to the appropriate disassembly and reassembly section for removal of cover and any internal mechanisms associated with the feeder. For any further information regarding location of parts, refer to the exploded views in the appropriate parts section.

1.04 The lubrication information in this section is arranged so as to minimize the shifting and handling of the feeder unit.

1.05 The general lubrication areas are illustrated by photographs. The specific points to receive lubricant are indicated on line drawings with appropriate textual instructions. Line drawings and textual instructions follow each photograph and are keyed to the photograph by paragraph numbers.

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1.06 The symbols in the text indicate the following directions:

O1	Apply 1 drop of oil.
O2	Apply 2 drops of oil.
O3	Apply 3 drops of oil.
G	Apply thin film of grease.

Use oil (KS7470) at all locations where the use of oil is indicated. Use grease (KS7471) on all surfaces where grease is indicated.

1.07 Lubricate the feeder before placing it into service or prior to storage. After a short period of service, relubricate it to make sure no areas have been missed. Thereafter, lubricate at regular intervals every 1500 hours or every six months, whichever occurs first.

1.08 Refer to appropriate section covering tools which also gives a description of various lubricants to be used in lubricating the feeder.

1.09 Overlubrication, which would permit oil to drip or be thrown on other parts, should be avoided.

CAUTION: SPECIAL CARE SHOULD BE TAKEN TO PREVENT ANY LUBRICANT FROM GETTING BETWEEN THE CLUTCH MAGNET ARMATURE AND ITS MAGNET POLE FACES OR BETWEEN ELECTRICAL CONTACTS.

1.10 Oil should usually be applied by means of an oiler to a point where it will adhere or where pressure is nominal. In lubricating small parts, only a single drop of oil should be applied so that oil remains on the part and does not run off.

Note: Excessive oil tends to work onto contacts and pole faces where it has a harmful effect. It also tends to cause deterioration of pressure rollers and wiring insulation.

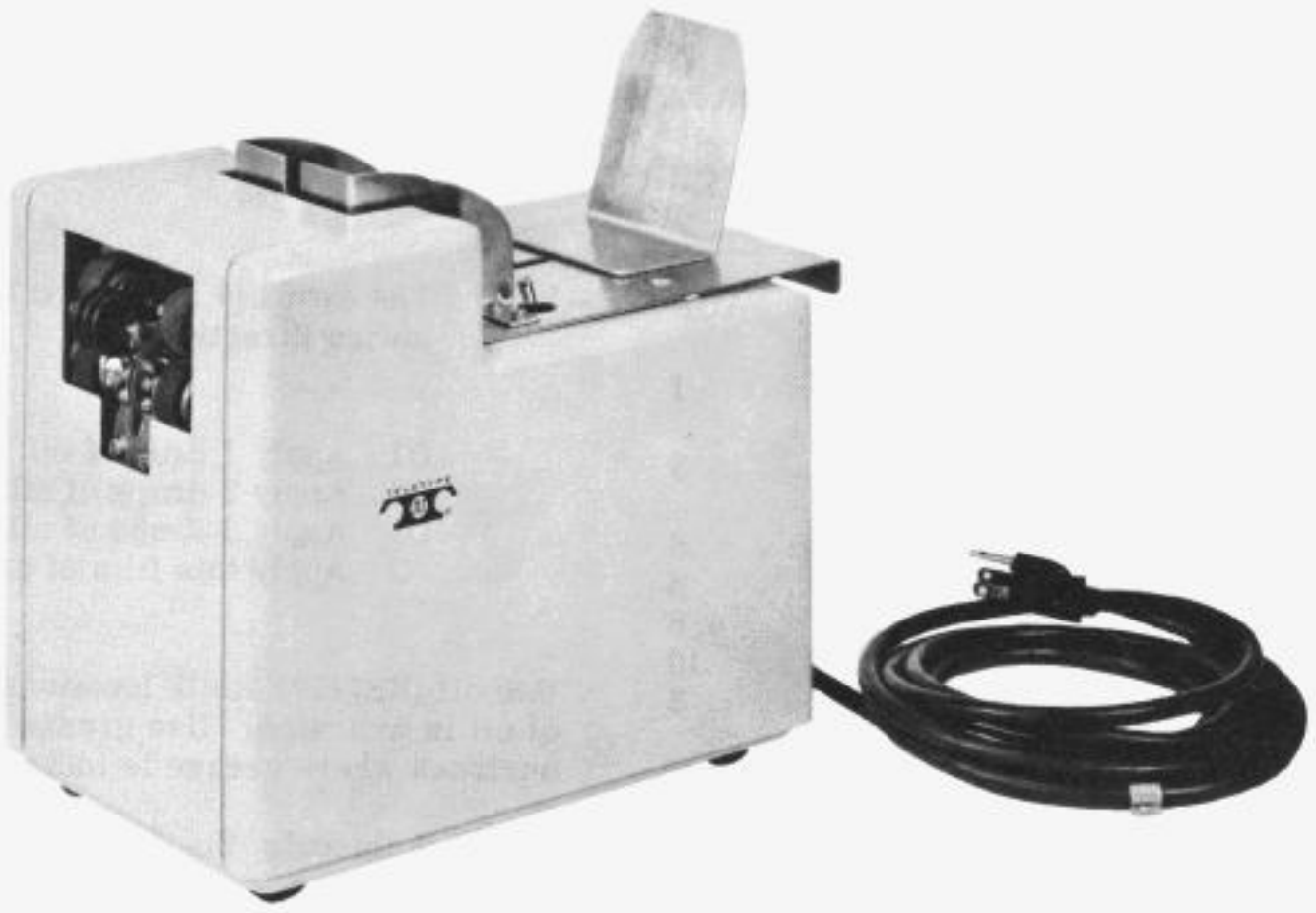


Figure 1 - Edge Punched Card Feeder (Left Front View)

Capillary action and vaporization due to heat of the motor tend to keep a film of oil on the machine, preventing rust and giving sufficient lubrication to many minor points, such as the ends of small springs.

1.11 In general, oil should be used in such locations as hollow shafts, oil cups, felt washers, and in most locations where parts rub, slide, rotate, or move with respect to each other. In particular, and unless otherwise specified in the individual lubrication sections, oil should be used in the following applications.

(a) Lightly oil all cam surfaces, sliding surfaces, and pivot points.

(b) Lubricate all spring eyes with one drop of oil.

(c) Fill all oil cups.

(d) Saturate all felt retainers (felt lubricating washers and wicks).

1.12 Grease should usually be applied with the nozzle of a grease gun, a brush, a fiber spudger, or an orange stick to all parts where the pressure is too great for effective lubrication with oil. Old grease should not be reused.

1.13 In general, grease should be used on gears, rollers, ends or points of heavy pressure. In particular, and unless otherwise specified in the individual lubrication sections, a film of grease should be applied to all gears.

1.14 After lubrication, excess oil or grease which may have run onto surfaces not requiring lubrication should be removed. Exercise care so that old lubricant or dirt does not get between bearing surfaces.

1.15 Special care should be taken to avoid an accident if the feeder is to be operated while separated from its housing. Special care should also be taken to avoid electrical shock when working near polarized electrolytic capacitors.

CAUTION: POWER SHOULD BE DISCONNECTED. WHERE PROCEDURES CALL FOR POWER TO BE CONNECTED, APPROPRIATE PRECAUTIONARY MEASURES SHOULD BE TAKEN TO AVOID ACCIDENT.

1.16 The oil-proof maintenance pad TP124828 is available to protect furniture and floor from oil, grease, and dirt during lubrication.

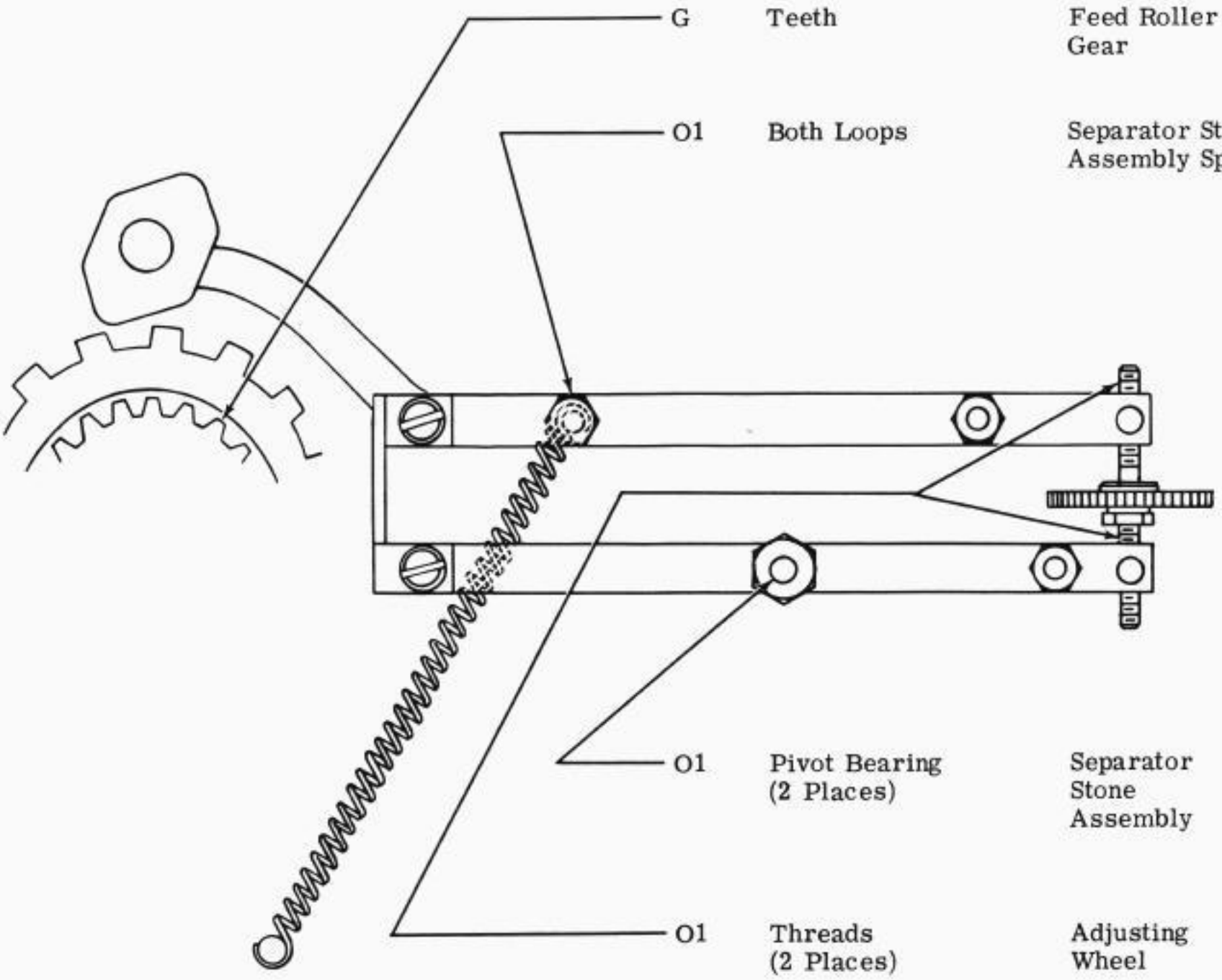
The pad should always be used with the same side down.

1.17 When mechanisms and parts, such as the cover, are removed, set them aside in some location where they will not get damaged and where they will not be a hazard to personnel around the area.

1.18 Equipment that has been in operation should be cleaned before it is relubricated. Refer to appropriate section that gives general cleaning information.

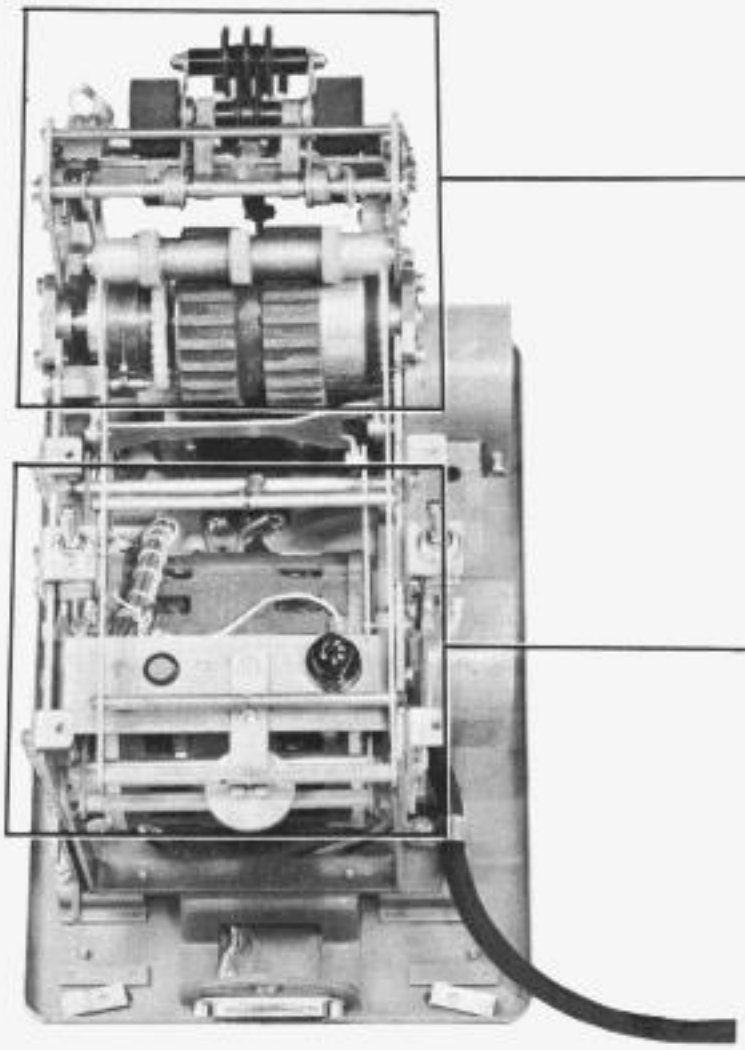
2. BASIC UNITS

2.01 Separator Stone Mechanisms

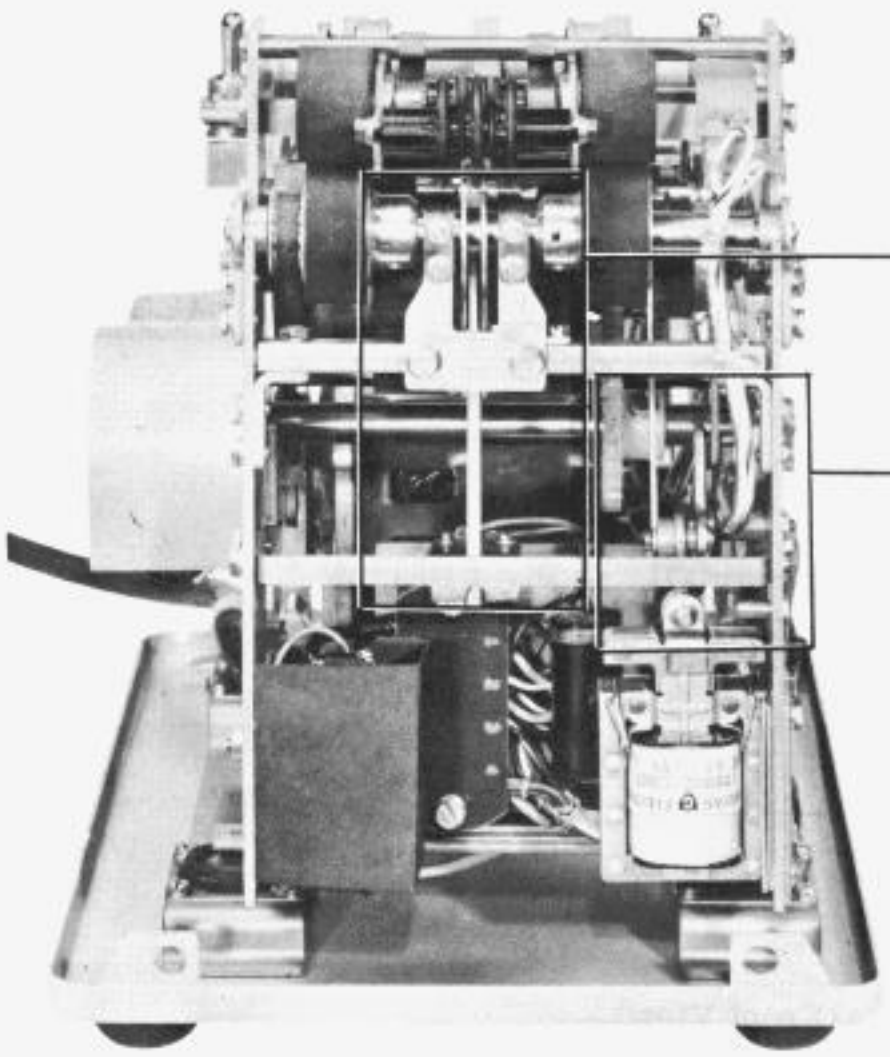


(Front View)

2.02 Edge Punched Card Feeder

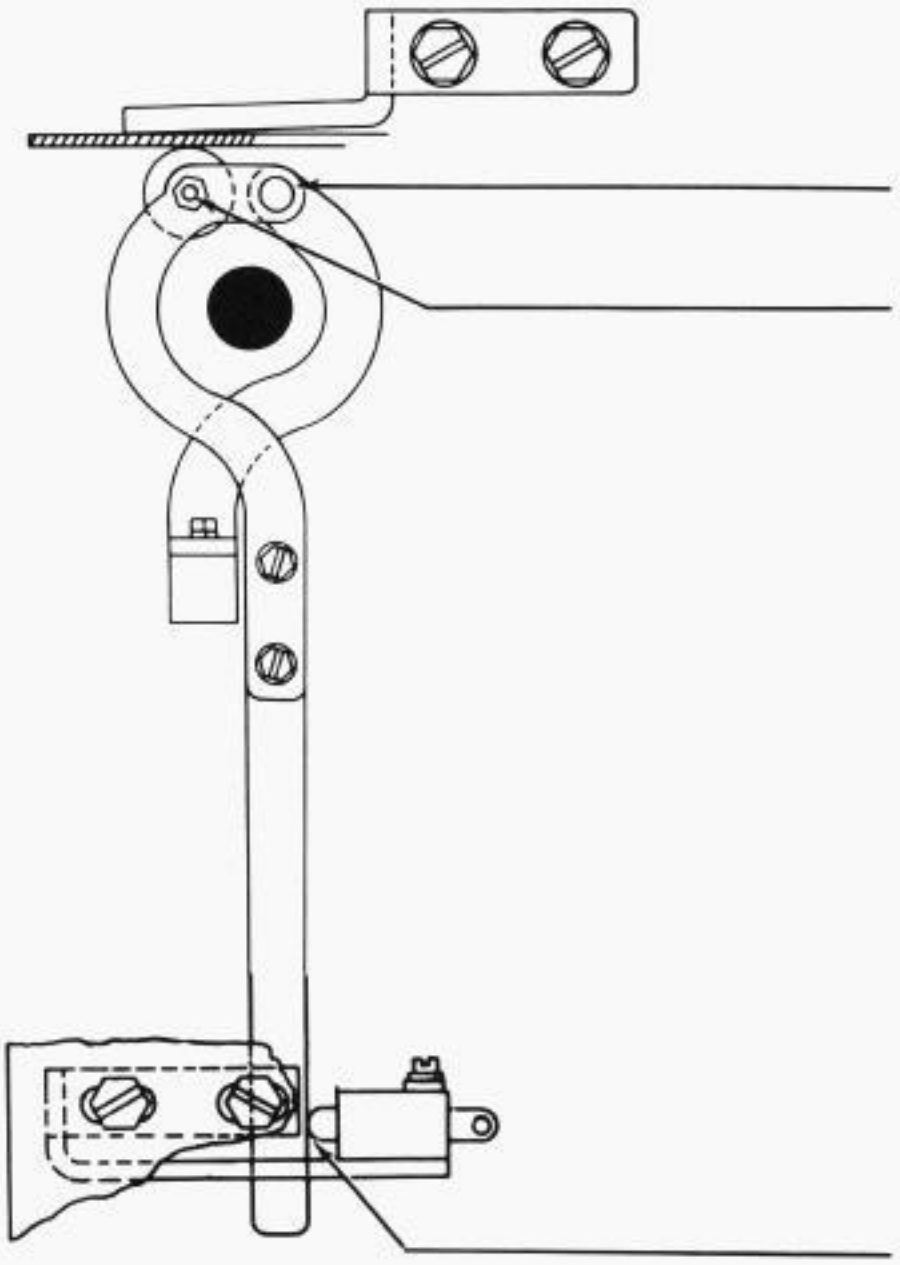


(Top View)



(Left Side View)

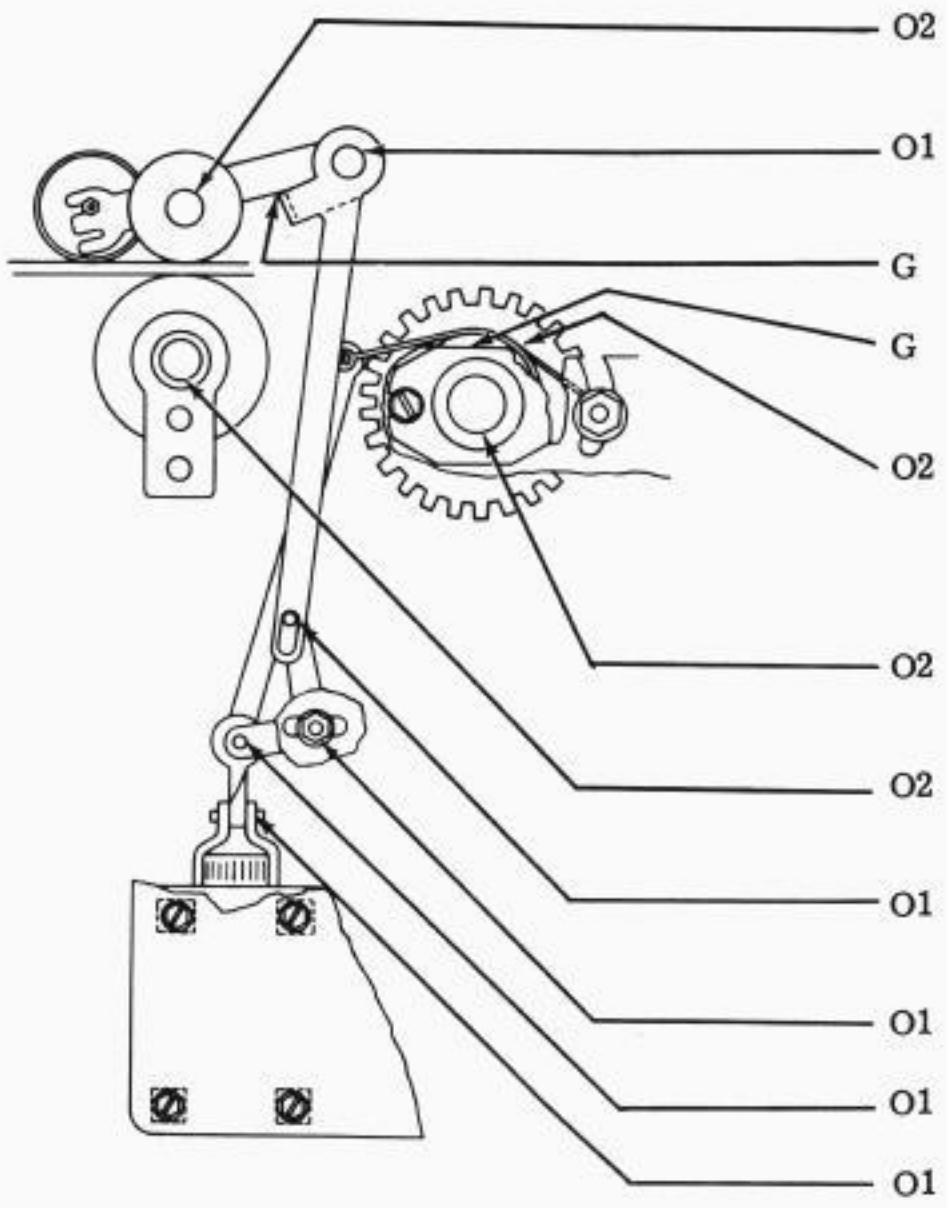
2.03 Double Card Detector Mechanisms



O1	Bearing Surface	Detector Roller Pivot
O1	Bearing Surface	Detector Roller Shaft
G	Engaging Surface	Actuator Link Extension

(Front View)

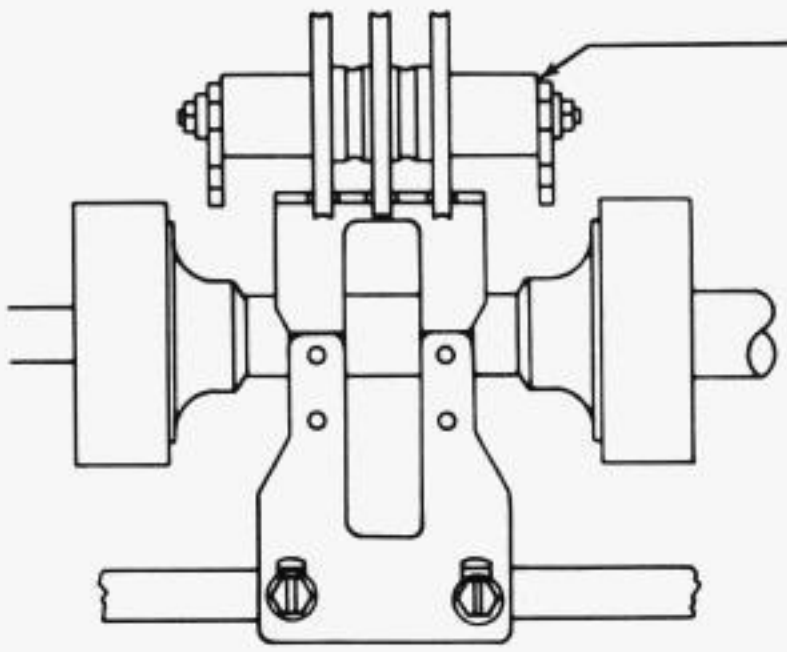
2.04 Auxiliary Ejector Mechanisms



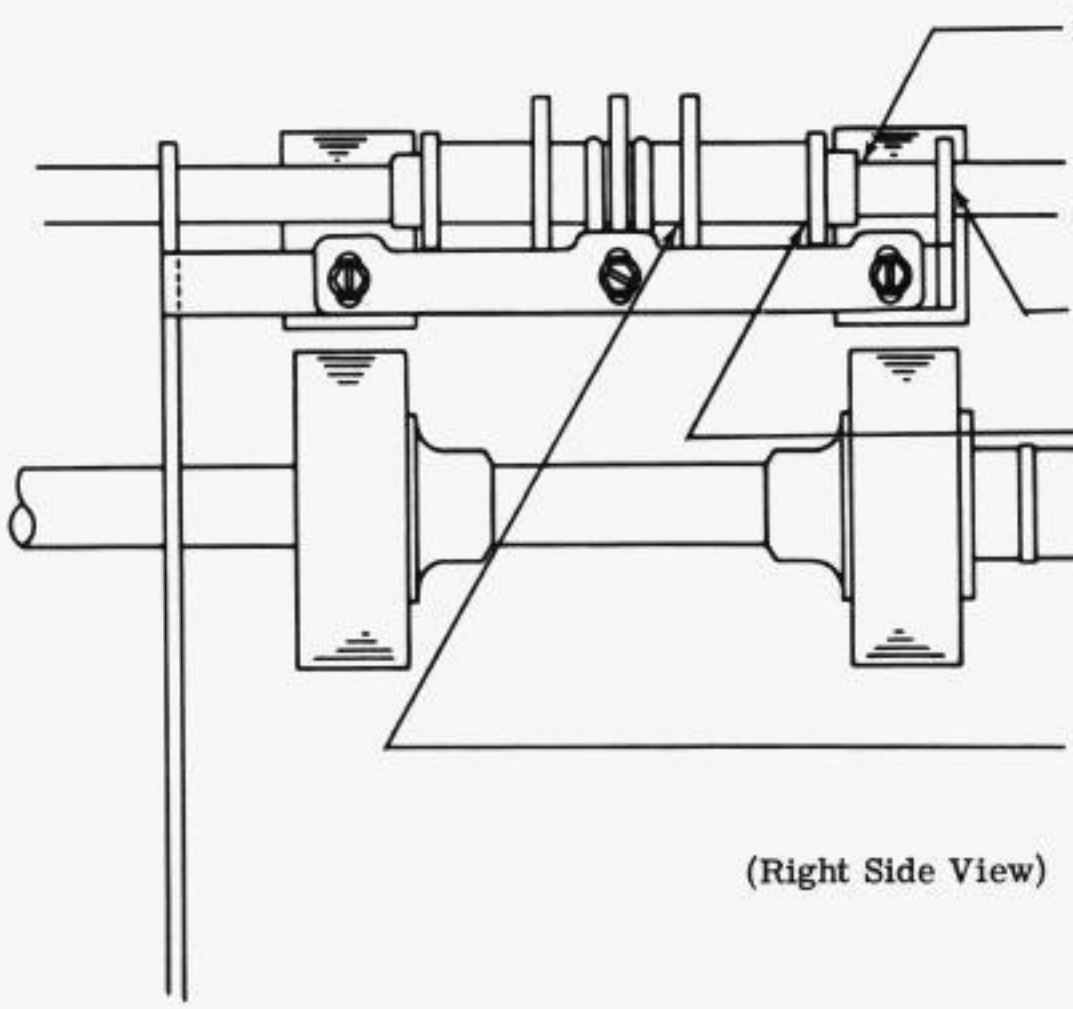
O2	Bearings (2 Places)	Auxiliary Ejector Rollers
O1	Bearing Surface (2 Places)	Bail
G	Engaging Surface	Bail
G	Internal Mechanism (One Year Intervals)	Clutch
O2	Engaging Surfaces	Clutch Brake Spring
O2	Bearing Surface (2 Places)	Feed Roller Shaft
O2	Bearing Surface (2 Places)	Ejector Roller Shaft
O1	Sliding Surface	Roller Lift Bail
O1	Bearing Surface	Link With Post
O1	Bearing Surface	Link With Stud
O1	Bearing Surface	Link With Post

(Front View)

2.05 Auxiliary Ejector Mechanisms (continued)

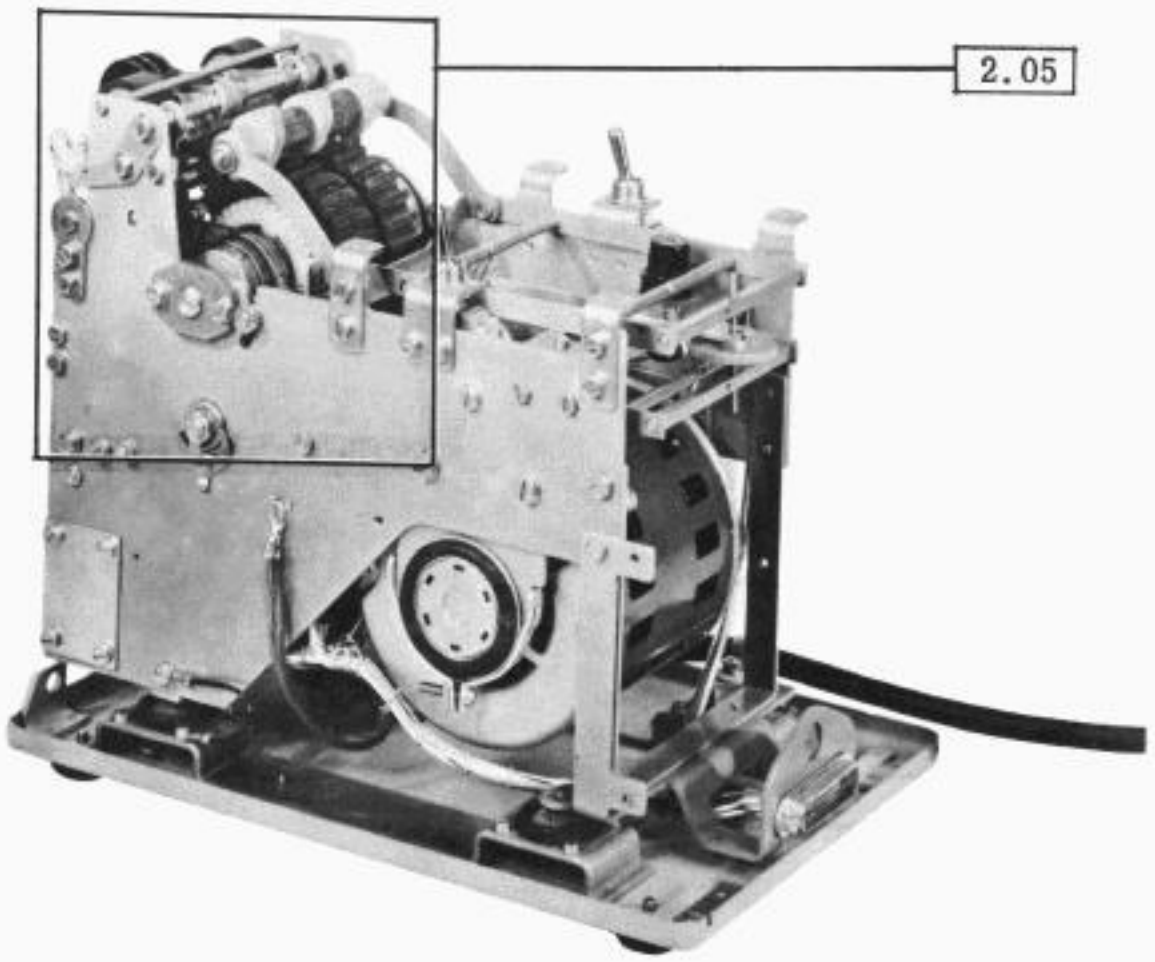


(Left Side View)

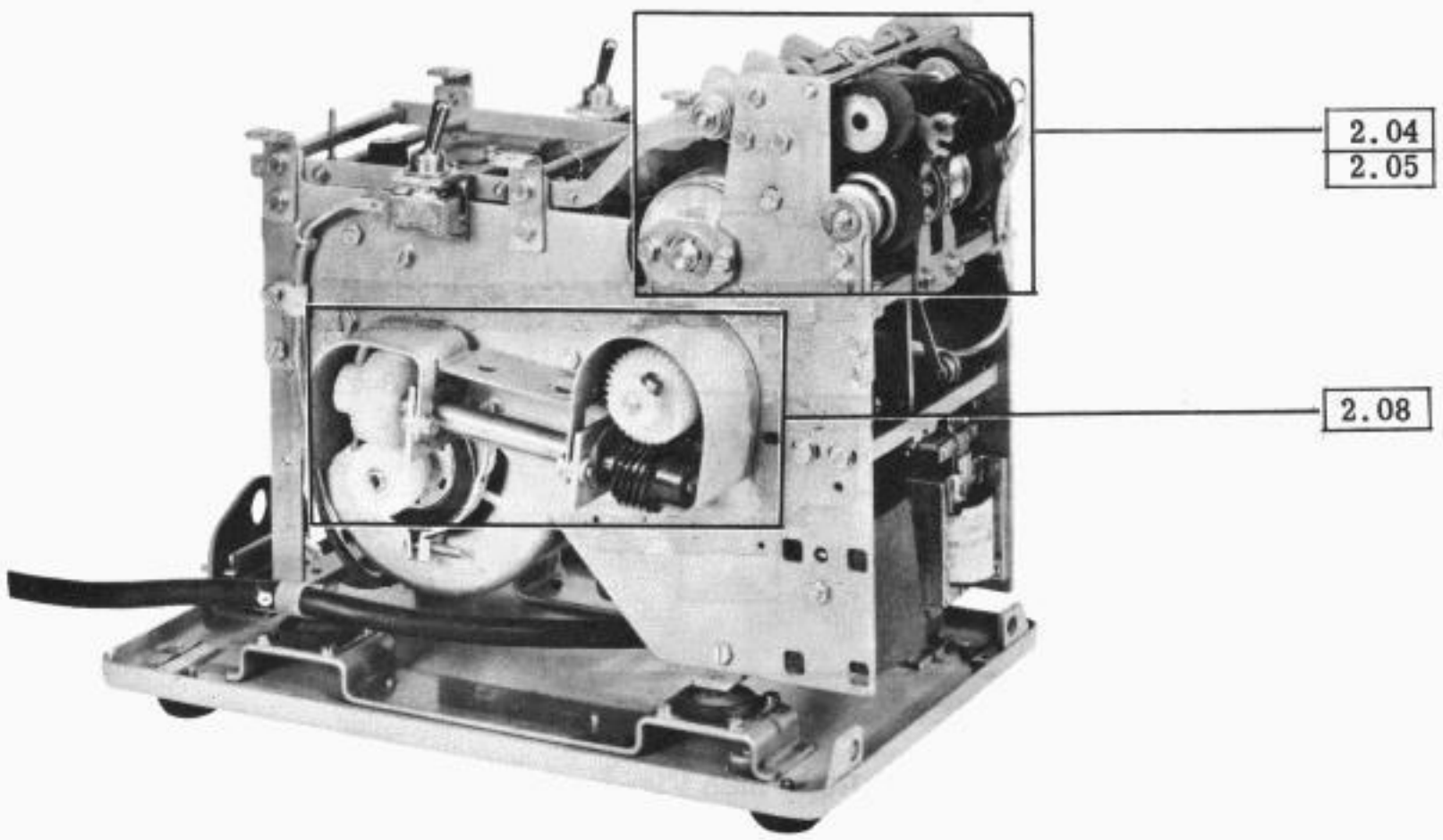


(Right Side View)

2.06 Edge Punched Card Feeder

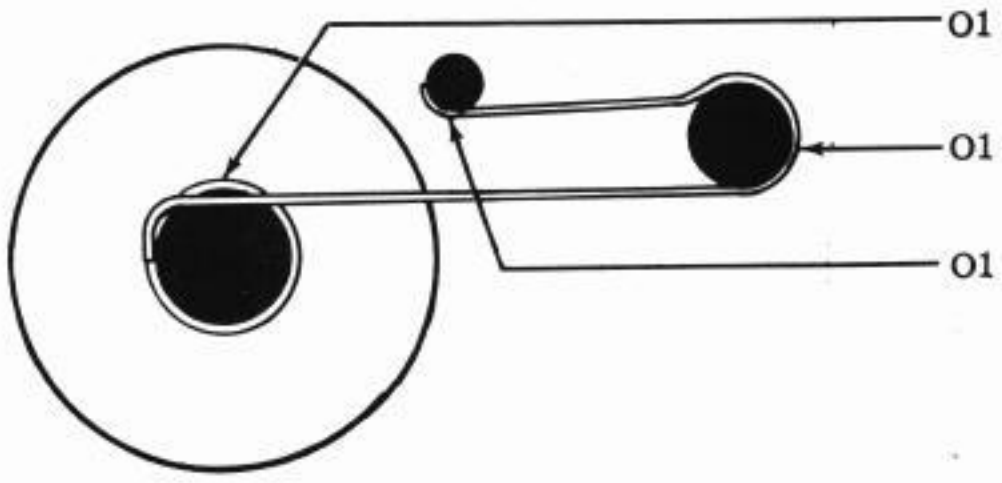


(Front View)



(Rear View)

2.07 Auxiliary Ejector Mechanisms (continued)



Bushing (2 Places)

Bail Shaft (2 Places)

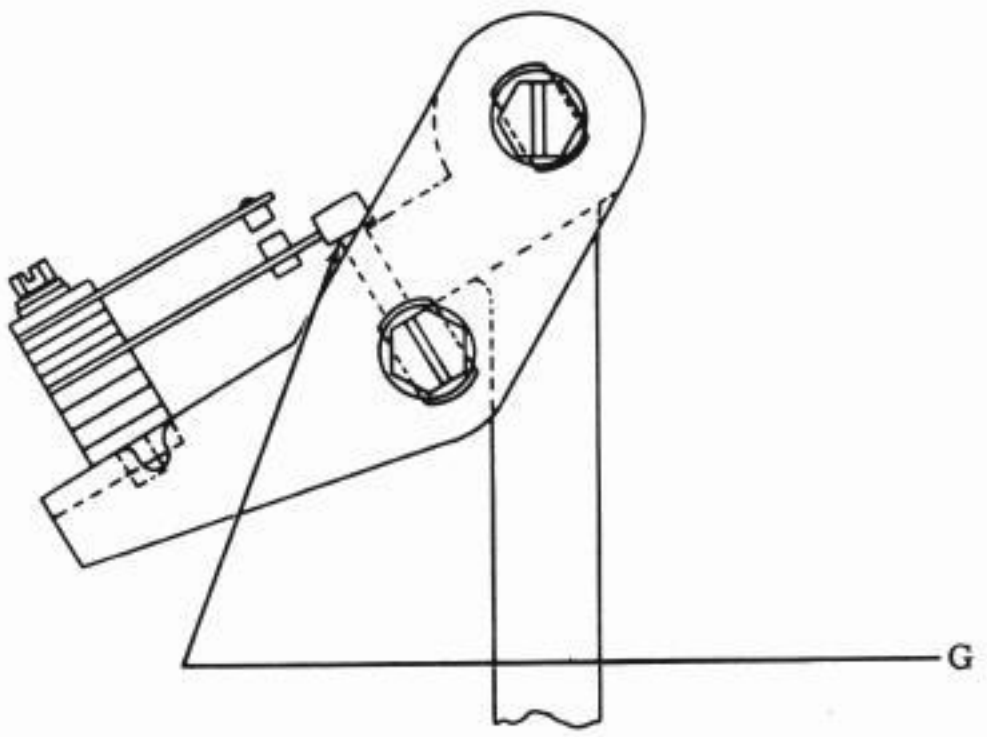
Pin (2 Places)

Leaf Spring

Leaf Spring

Leaf Spring

(Front View)

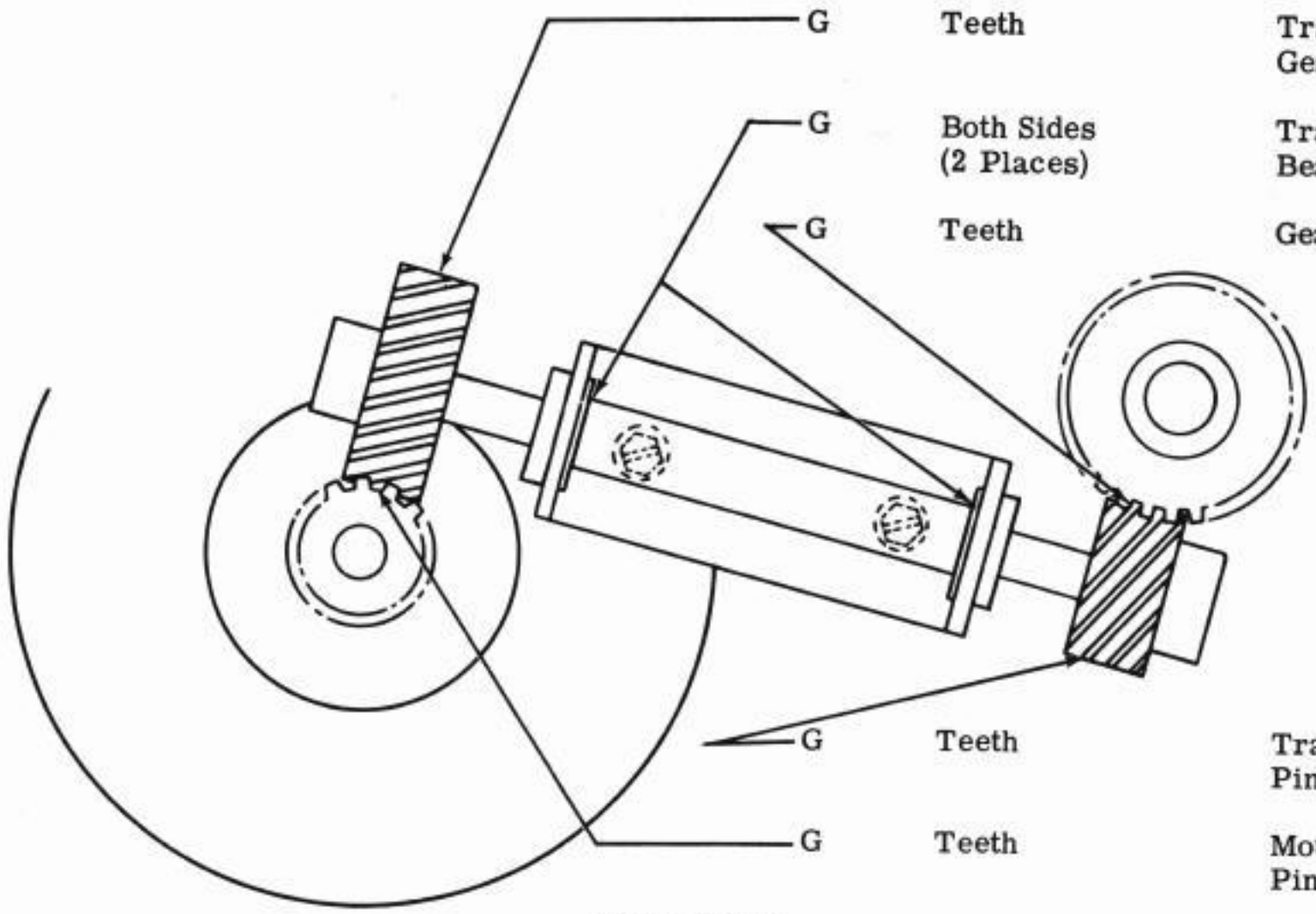


Engaging Surface

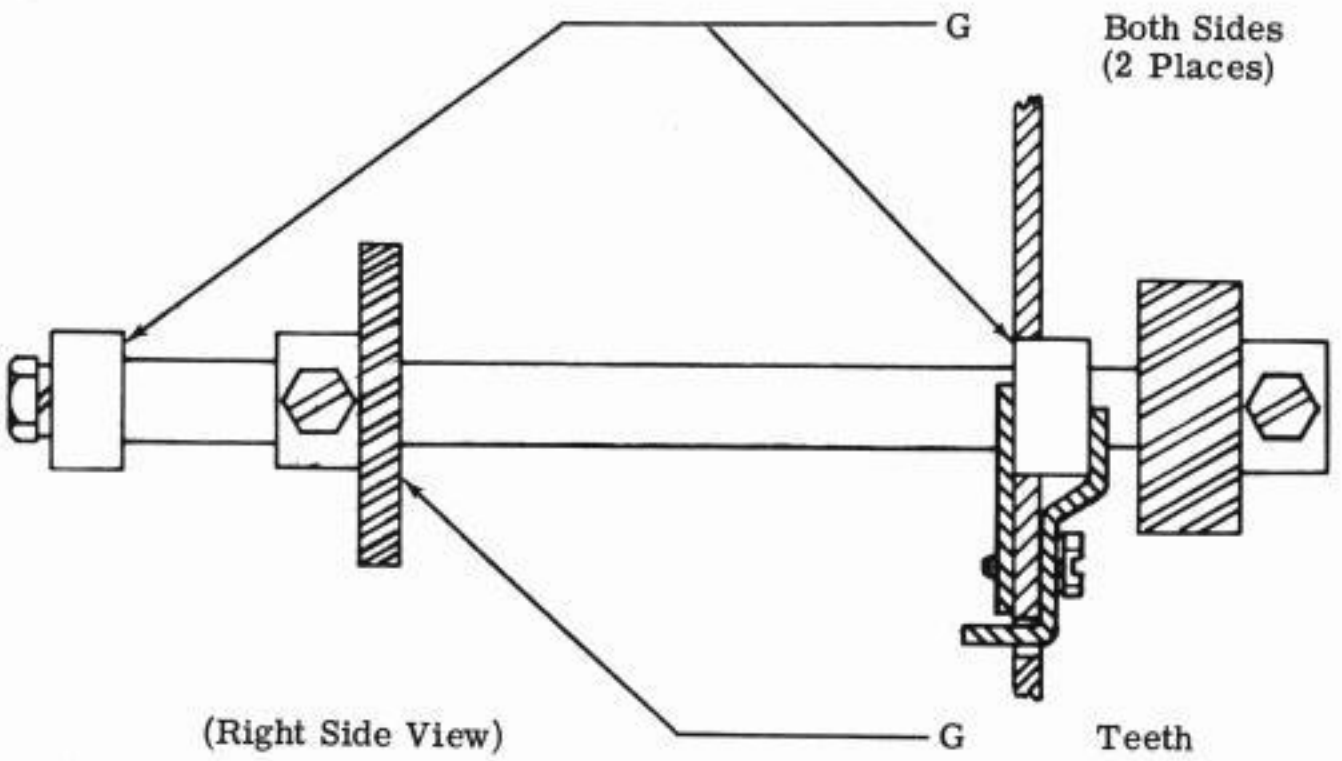
Roller Lift Bail

(Front View)

2.08 Gear Train Mechanisms



(Rear View)



(Right Side View)