

# SECTION No. 3

**Association of American Railroads**

**OPERATIONS AND  
MAINTENANCE DEPARTMENT**

**MECHANICAL DIVISION**

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## **RULES GOVERNING**

**THE**

# **Loading of Road Grading, Road Making, and Farm Equipment Machinery On Open Top Cars**

Adopted by the

**Former Master Car Builders' Association  
as Recommended Practice, 1896**

**Advanced to Standard 1908**

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SECTION No. 3

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PART 1

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RULES GOVERNING

THE

**Loading of Road Grading and  
Road Making Machinery  
On Open Top Cars**

**NOTICE**

See General Rules—Section No. 1 for the following:

Preface.

Attention Shippers.

Index.

General Rules.

Instructions—Experimental Loads.

Dictionary of Car and Loading Terms.

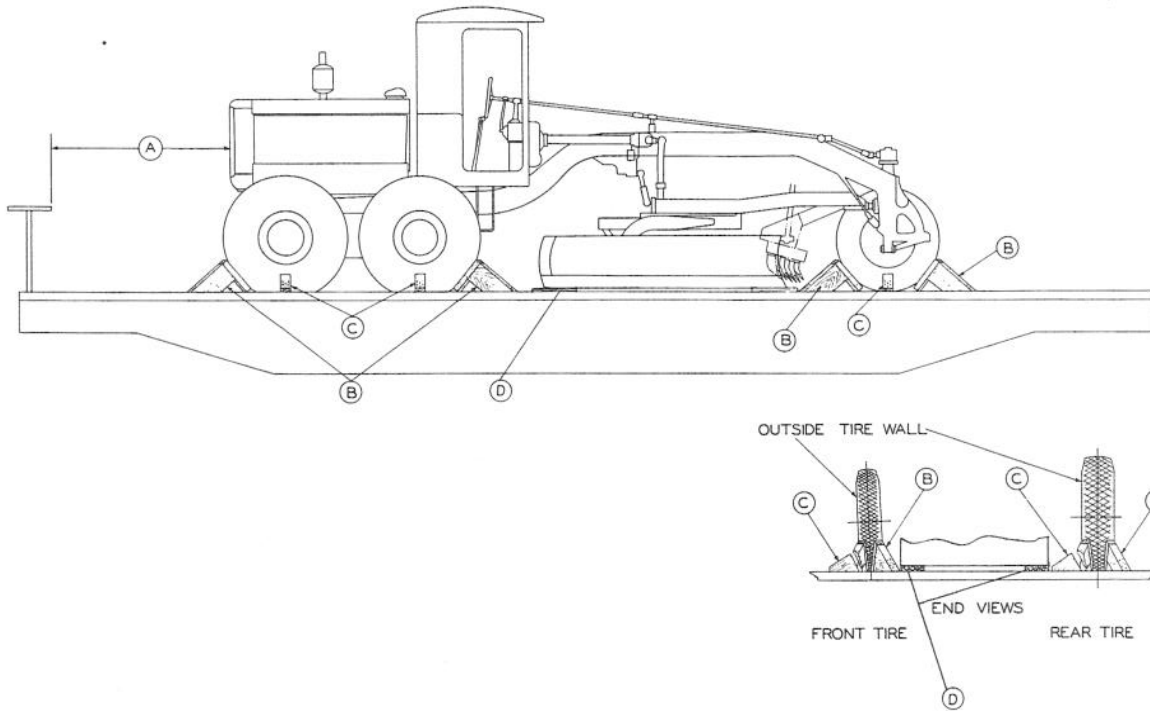
Table Nos. 1 to 35, inclusive.

Where reference is made in the specifications of any of the figures in these rules to Fig. Nos. 1-B, 2, 3, 4, 5, 5-A or 5-B, see General Rules—Section No. 1.



## Sec. 3—Fig. 1

## FOUR AND SIX WHEEL MOTOR GRADERS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

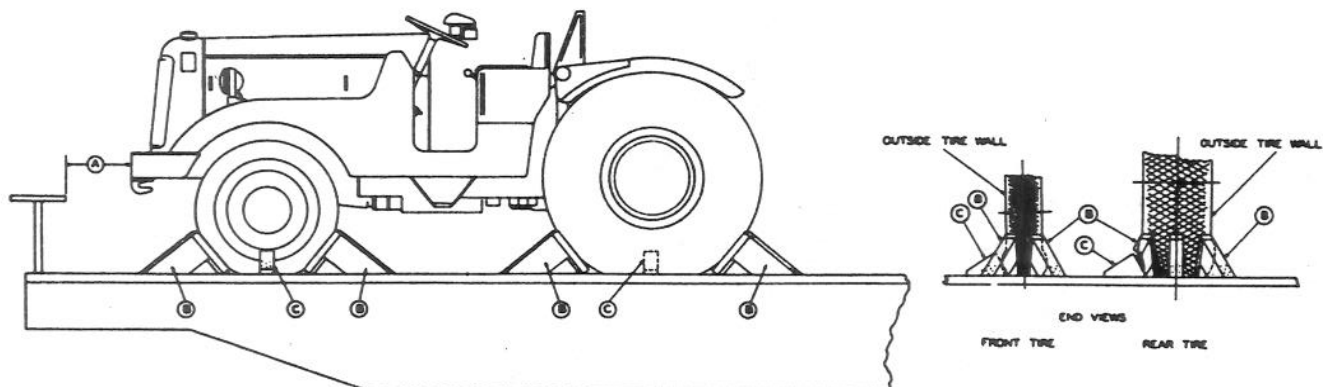


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	16 or 8	Blocks, pattern 2. Locate two against front and back of each front wheel, two in front of each intermediate wheel and two in back of each rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.  For six wheel units weighing 10,000 lbs. or less, and for all four wheel units, use one Item "B" at each location.
C	6	Blocks, pattern 3. Locate all against either inside or outside of each wheel and nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	1 in. x 6 in. x 24 in. Locate longitudinally under blade of unit, suitably spaced as shown, and secure each to floor with three 10-D nails.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 19-A, 19-B and Fig. 1-B for further details.

FOUR WHEEL TRACTOR (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

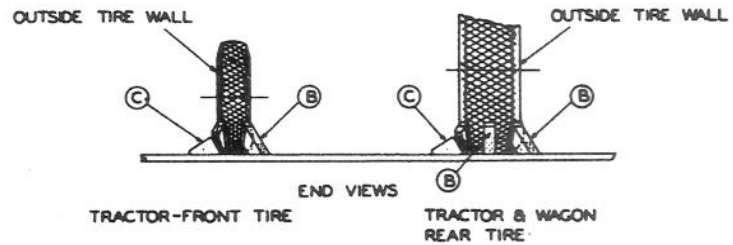
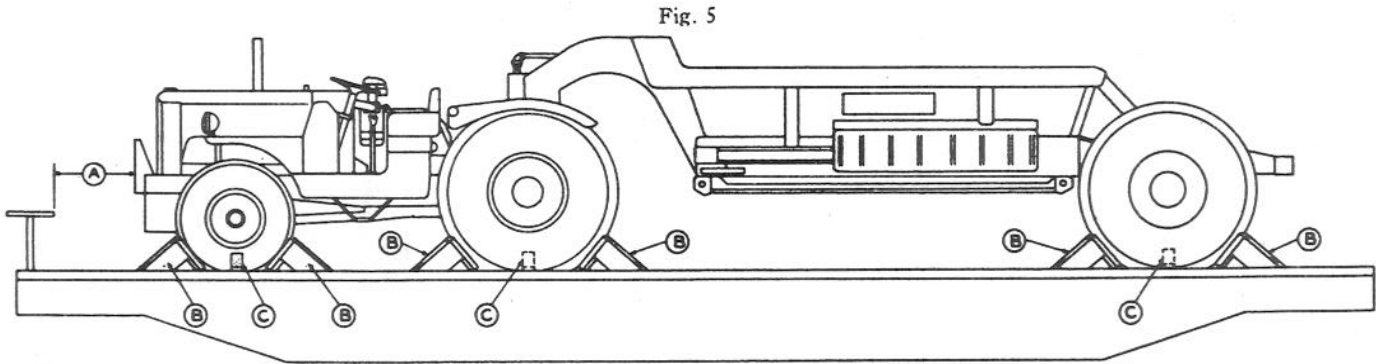


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	20	Blocks, pattern 2. Locate two against front and back of each front wheel and three against front and back of each rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 3. Locate one against the outside of each front wheel and one against the inside of each rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 3

COMBINATION FOUR WHEEL TRACTOR AND DUMP CART (WITH PNEUMATIC TIRES),  
LENGTHWISE—FLAT CARS

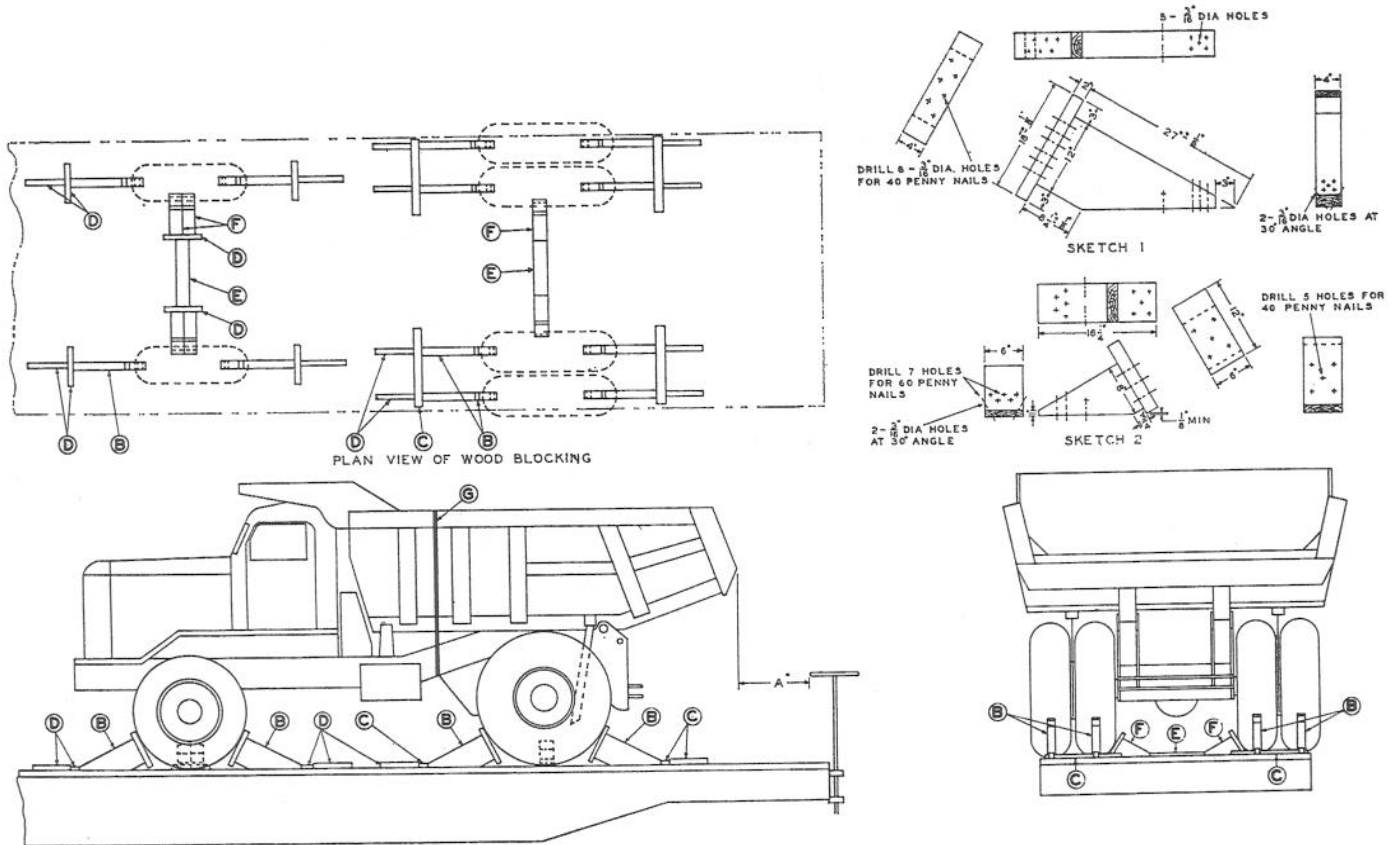
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	32	Blocks, pattern 2. Locate two against front and back of each front wheel of tractor, three against front and back of each rear wheel of tractor and against front and back of each cart wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel of block and one 40-D nail in each side of block.
C	6	Blocks, pattern 3. Locate one against the outside of each front tractor wheel, against the inside of each rear wheel of tractor and against the inside of each cart wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 19-A, 19-B and Fig. 1-B for further details.

Sec. 3—Fig. 4

MOTOR VEHICLES, HAULING OR DUMPING, OFF-HIGHWAY TYPE (WITH PNEUMATIC TIRES)—FLAT CARS

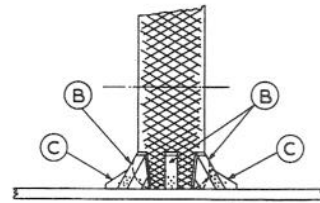
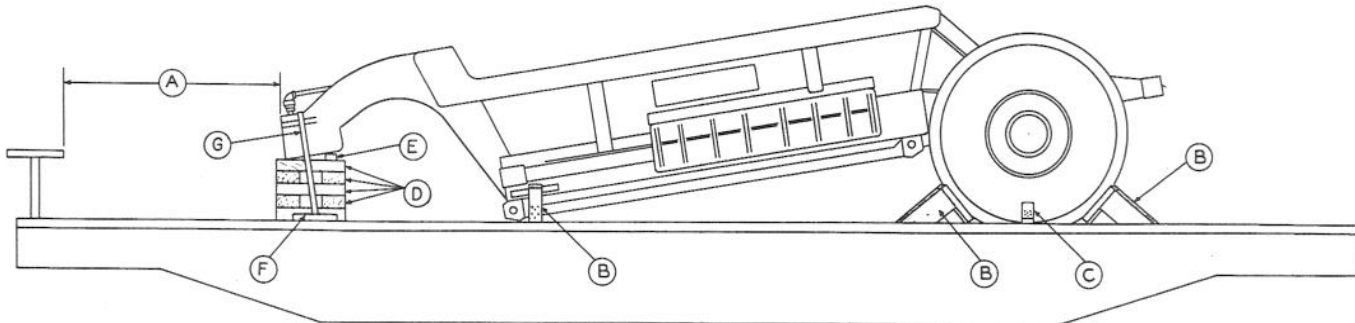


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	12	Blocks, Sketch 1. Locate against front and back of each wheel. Secure face plate to block with six 40-D nails, and secure block to floor of car with five 60-D nails through toe of block and one 60-D nail through each side.
C	4	2 in. x 4 in. x 34 in. Locate crosswise of car against Items "B". Secure to floor of car with five 40-D nails.
D	18	2 in. x 4 in. x 18 in. Locate as shown. Secure each to floor with five 40-D nails.
E	2	2 in. x 6 in. length to suit. Locate as shown. Secure each to floor with five 40-D nails.
F	6	Blocks, Sketch 2. Locate against inside of wheels as shown. Secure each to floor with seven 60-D nails. Secure face plate to block with five 40-D nails.
G	1	1¼ in. x .035 in. high tension band, to encircle dump body and frame as shown.

See General Rules 4, 5, 7, 9 and 15 for further details.

## Sec. 3—Fig. 5

## TWO WHEEL DUMP CART (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

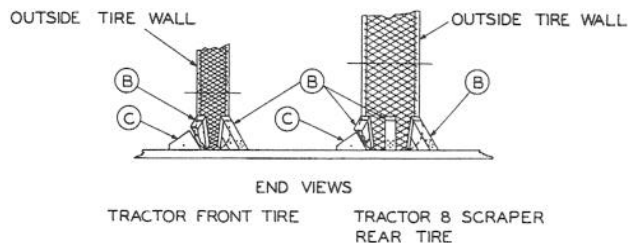
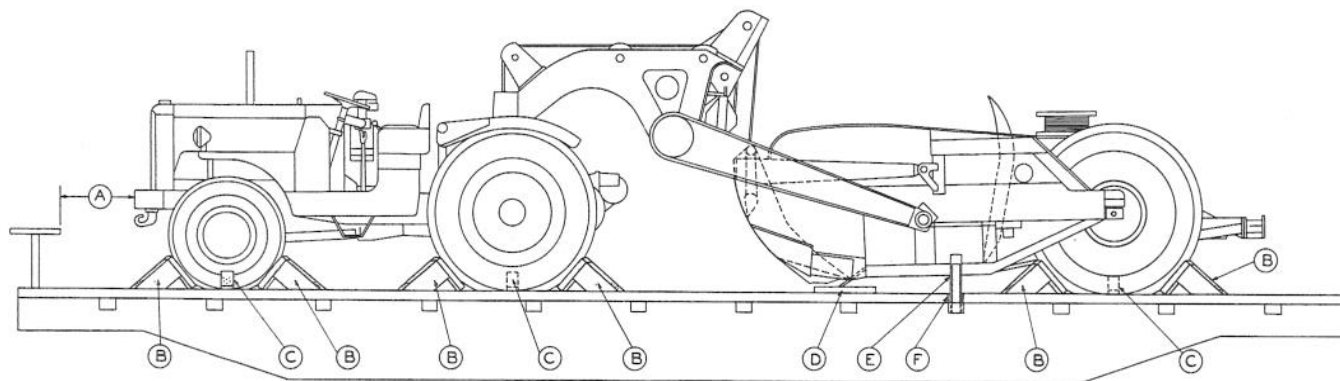


END VIEW OF TIRE

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	14	Blocks, pattern 2. Locate three against front and back of each wheel and one against each side of frame. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel of block and one 40-D nail in each side of block.
C	4	Blocks, pattern 3. Locate one against the inside and outside of each wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	10	4 in. x 8 in. x 24 in. Alternate in tiers of two, lengthwise and crosswise, as shown under front end of cart. Nail lower pieces to floor with four 60-D nails and upper pieces to those below with four 60-D nails.
E	1	2 in. x 4 in. x 24 in. Locate on top of Items "D", under front end of cart, as shown.
F	2	2 in. x 6 in. x 16 in. Locate one against outside of each bottom outside Item "D" and nail to floor with five 40-D nails.
G	1	2 in. x .050 in. high tension band, length to suit. Pass over top of frame at front end, underneath and around Items "F" and nail to floor with two 40-D nails at each location.

See General Rules 4, 5, 7, 9, 14, 15, 19-B and Fig. 1-B for further details.

COMBINATION FOUR WHEEL TRACTOR AND TWO WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



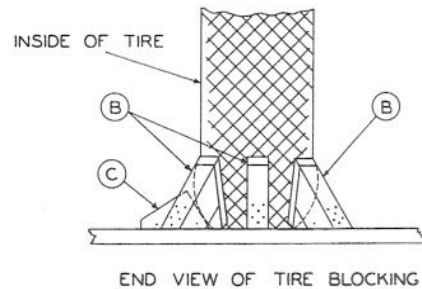
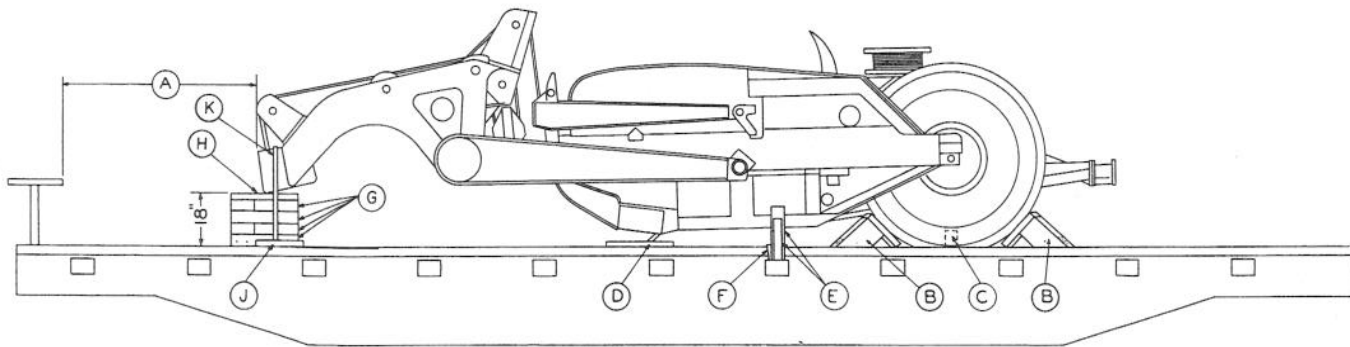
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	32	Blocks, pattern 2. Locate two in front and back of each front wheel of tractor, three in front and back of each rear wheel of tractor and three in front and back of each scraper wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	6	Blocks, pattern 3. Locate one against the outside of each front wheel of tractor, against inside of each rear wheel of tractor and against inside of each wheel of scraper. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	2 in. x 6 in. x 24 in. Locate one under each side of blade of scraper to prevent contact with floor of car.
E	As required.	3½ in. x 4 in. x 23½ in. Locate in stake pocket on each side about at center of scraper. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket.
F	As required.	Blocks, pattern 4. Locate in stake pockets on each side of Items "E" and drive down so as to retain Items "E" in place. Nail each to Item "E" with one 10-D nail.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 10, 14, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 7

## TWO WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

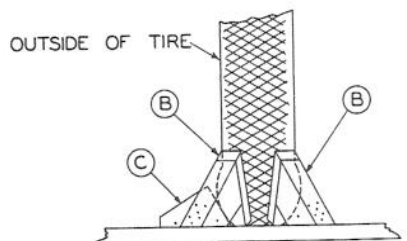
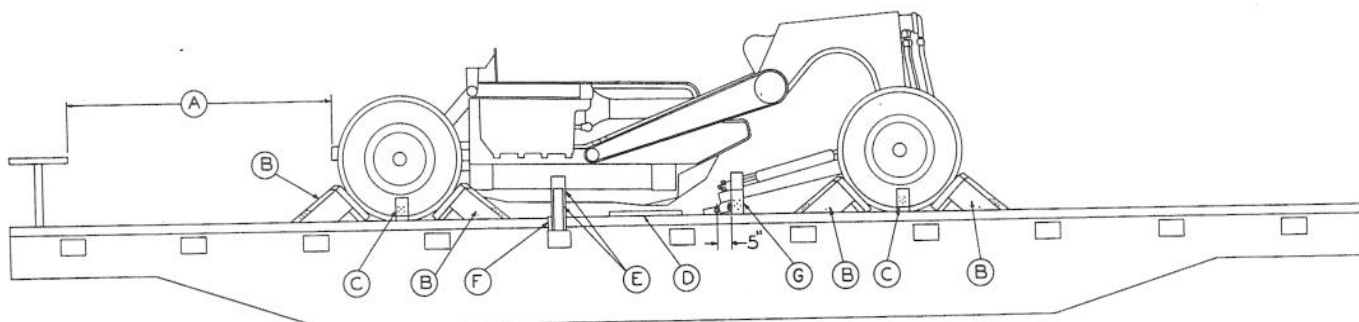


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	12	Blocks, pattern 2. Locate three in front and back of each wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	2	Blocks, pattern 3. Locate one against the inside of each wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	2 in. x 6 in. x 24 in. Locate one under each side of blade of scraper to prevent contact with floor of car.
E	As required.	3½ in. x 4 in. x 23½ in. Locate in stake pocket on each side about at center of scraper. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket.
F	As required.	Blocks, pattern 4. Locate in stake pockets on each side of Items "E" and drive down so as to retain Items "E" in place. Nail each to Item "E" with one 10-D nail.
G	8	4 in. x 8 in. x 24 in. Alternate in tiers of two, lengthwise and crosswise, as shown, under front end of scraper. Nail lower pieces to floor with four 60-D nails and upper pieces to those below with four 60-D nails.
H	2	2 in. x 6 in. x 24 in. Locate on top of Items "G", under front end of scraper, as shown.
J	2	2 in. x 6 in. x 16 in. Locate one against outside of each bottom outside Item "G" and nail to floor with five 40-D nails.
K	1	2 in. x .050 in. high tension band, length to suit. Pass over top of frame at front end, underneath and around Items "J" and nail to floor with two 40-D nails at each location.

See General Rules 4, 5, 7, 9, 10, 14, 15, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 8

## FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



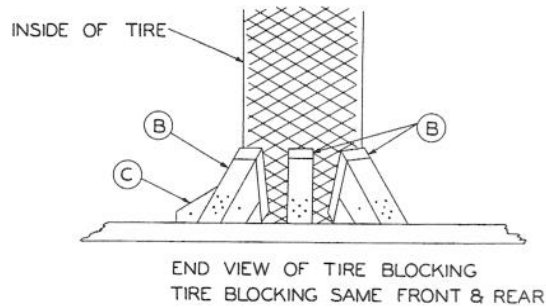
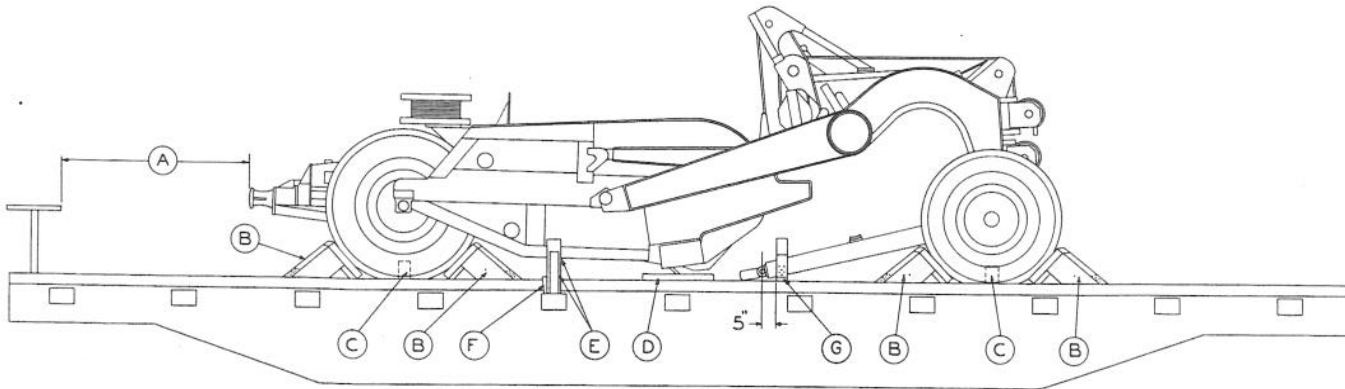
END VIEW OF TIRE BLOCKING FRONT &amp; REAR

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	16	Blocks, pattern 2. Locate two in front and back of each front and rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 3. Locate one against the outside of each front and rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	2 in. x 6 in. x 24 in. Locate one under each side of blade of scraper to prevent contact with floor of car.
E	As required.	3½ in. x 4 in. x 23½ in. Locate in stake pocket on each side about at center of scraper. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket.
F	As required.	Blocks, pattern 4. Locate in stake pockets on each side of Items "E" and drive down so as to retain Items "E" in place. Nail each to Item "E" with one 10-D nail.
G	2	Blocks, pattern 6. Locate one against each side of tongue, as shown. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.

See General Rules, 4, 5, 7, 9, 10, 14, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 9

## FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

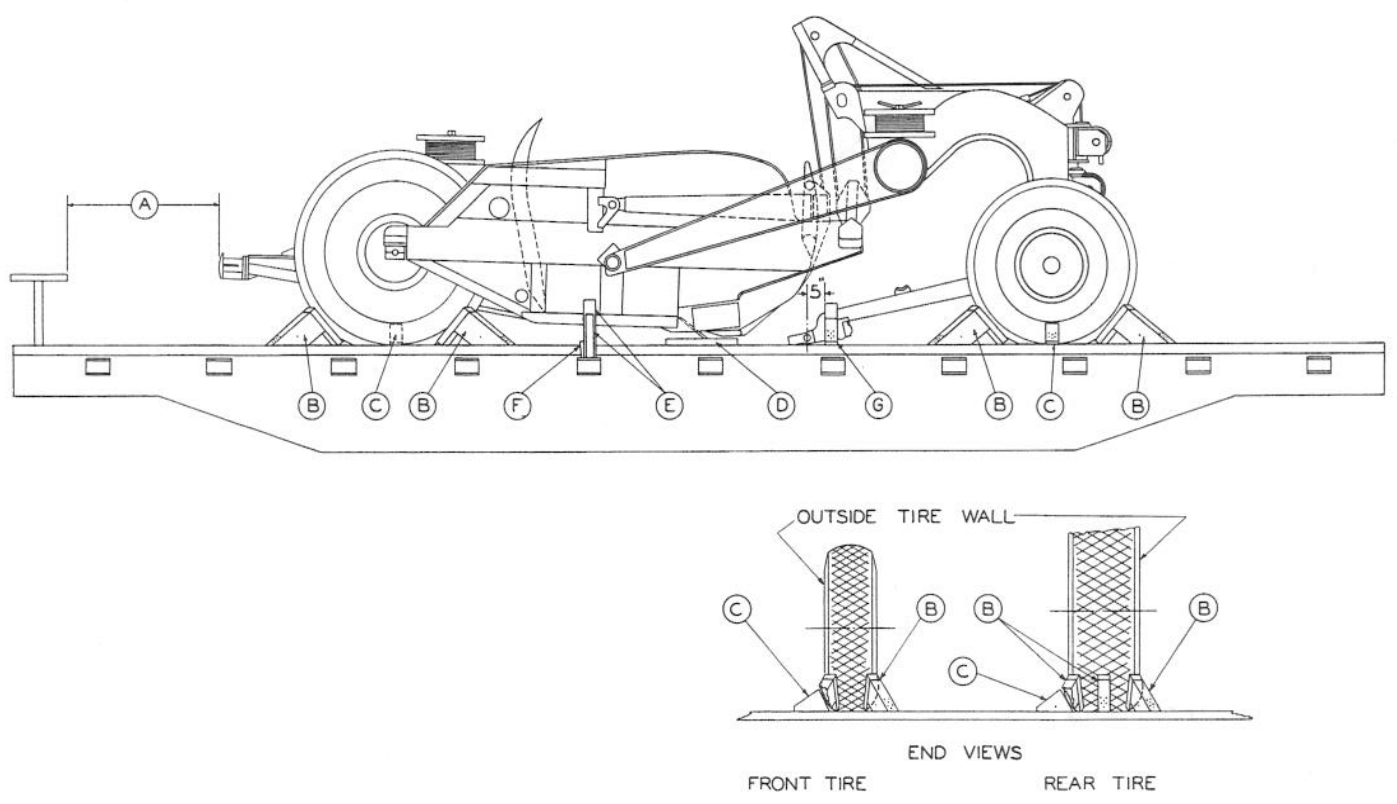


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	24	Blocks, pattern 2. Locate three in front and back of each front and rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 3. Locate one against the inside of each front and rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	2 in. x 6 in. x 24 in. Locate one under each side of blade of scraper to prevent contact with floor of car.
E	As required.	3½ in. x 4 in. x 23½ in. Locate in stake pocket on each side about at center of scraper. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket.
F	As required.	Blocks, pattern 4. Locate in stake pockets on each side of Items "E" and drive down so as to retain Items "E" in place. Nail each to Item "E" with one 10-D nail.
G	2	Blocks, pattern 6. Locate one against each side of tongue, as shown. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.

See General Rules 4, 5, 7, 9, 10, 14, 19-A, 19-B and Fig. 1-B for further details.

Sec. 3—Fig. 10

FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

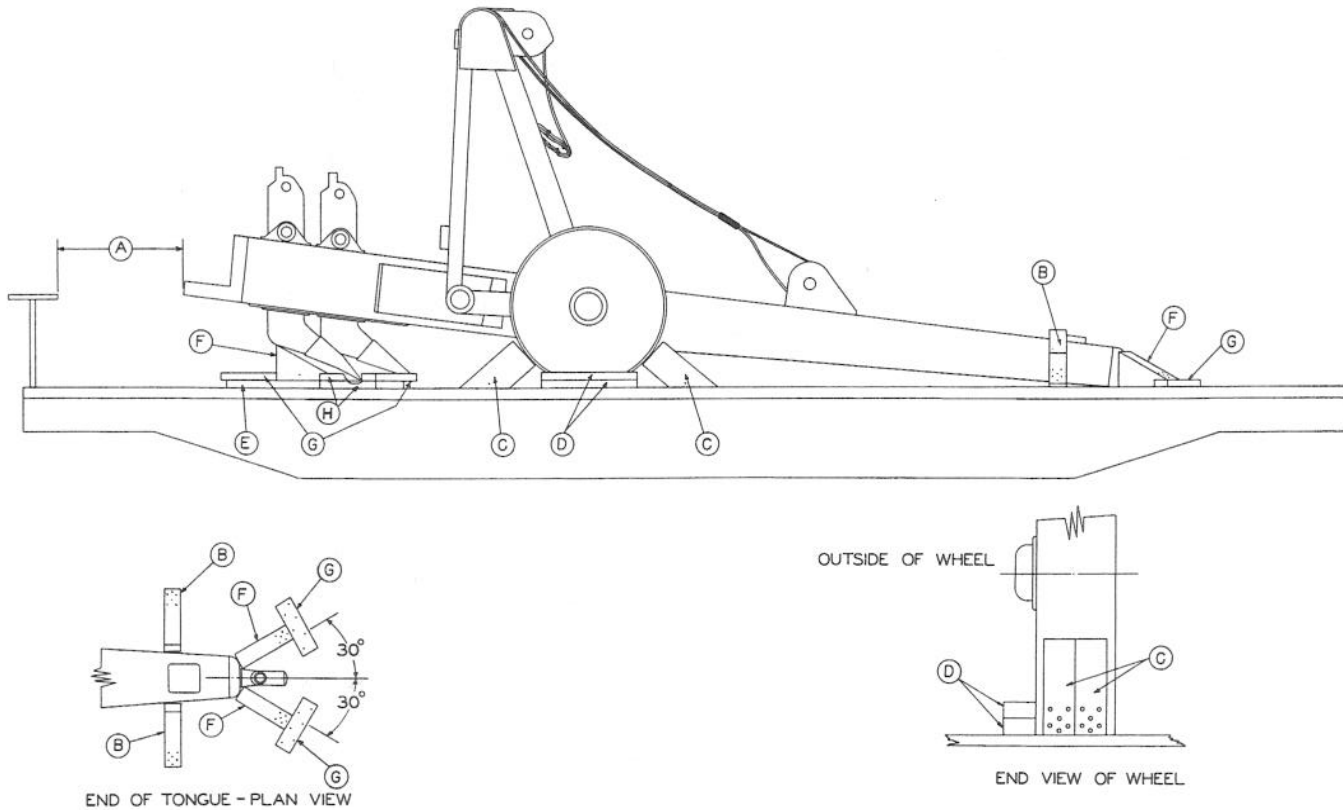


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	20	Blocks, pattern 2. Locate two in front and back of each front wheel and three in front and back of each rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 3. Locate one against the outside of each front wheel and one against the inside of each rear wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	2	2 in. x 6 in. x 24 in. Locate one under each side of blade of scraper to prevent contact with floor of car.
E	As required.	3½ in. x 4 in. x 23½ in. Locate in stake pocket on each side about at center of scraper. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket.
F	As required.	Blocks, pattern 4. Locate in stake pockets on each side of Items "E" and drive down so as to retain Items "E" in place. Nail each to Item "E" with one 10-D nail.
G	2	Blocks, pattern 6. Locate one against each side of tongue, as shown. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.

See General Rules 4, 5, 7, 9, 10, 14, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 11

## RIPPERS, ROOTERS AND SCARIFIERS, LENGTHWISE—FLAT CARS

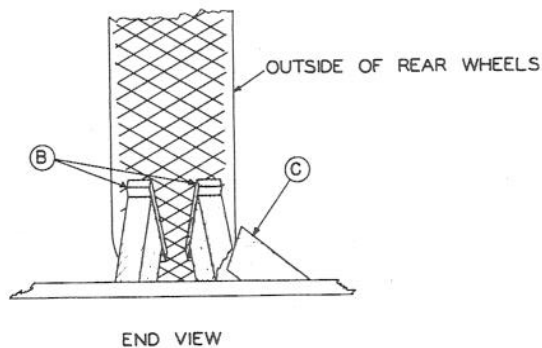
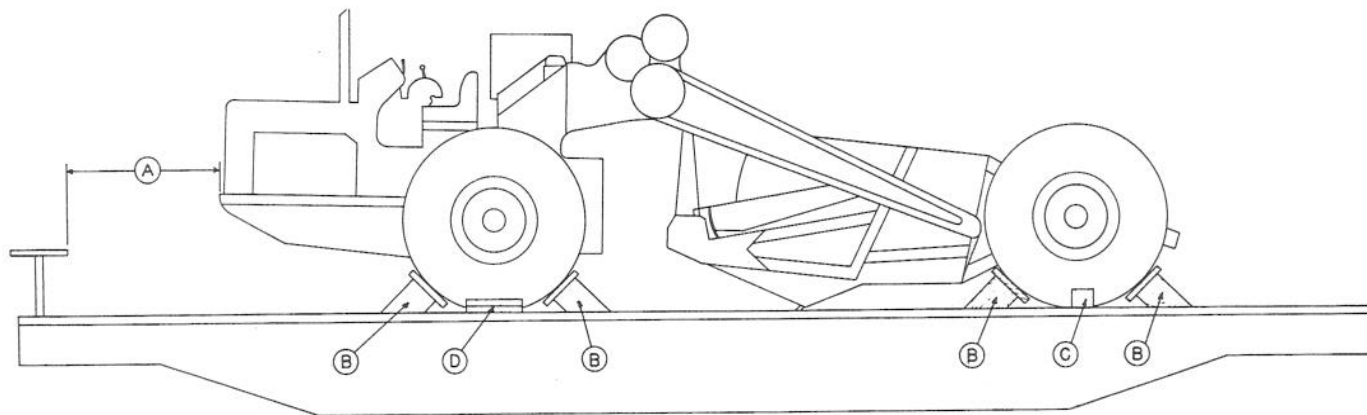


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2	Blocks, pattern 6. Locate one against each side of tongue, as shown. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
C	8	Blocks, pattern 1. Locate two, side by side, in front and back of each wheel. Nail each to floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of block.
D	4	2 in. x 4 in. x 24 in. Locate two, lengthwise of car, against outside of each wheel. Nail lower pieces to floor with five 40-D nails in each and top pieces to the ones below with five 40-D nails in each.
E	2	2 in. x 6 in. x 44 in. Locate one under each outside Ripper tooth and nail to floor with six 40-D nails.
F	4	Blocks, pattern 8. Locate one under each outside Ripper tooth on top of Item "E" and one against each corner of tongue as shown. Nail each to Item "E" or floor with two 60-D, three 40-D and one 20-D nail in heel and one 40-D nail in each side of book.
G	8	2 in. x 4 in. x 14 in. Locate one on top of each Item "E" and on floor behind each Item "F" and one on top of each Item "E" in front of each outside Ripper tooth. Nail each with four 40-D nails.
H	2	Each to consist of two blocks. 2 in. x 4 in. x 14 in. Locate lower pieces on floor against the outside of Items "E". Nail lower piece to floor with four 40-D nails and top piece to the one below with four 40-D nails.

See General Rules 4, 5, 7, 9, 14 and Fig. 1-B for further details.

Sec. 3—Fig. 12

COMBINATION TWO WHEEL TRACTOR AND TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES)  
LENGTHWISE—FLAT CARS



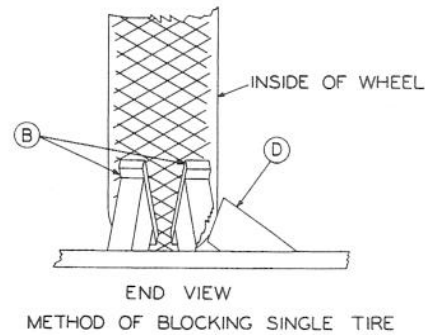
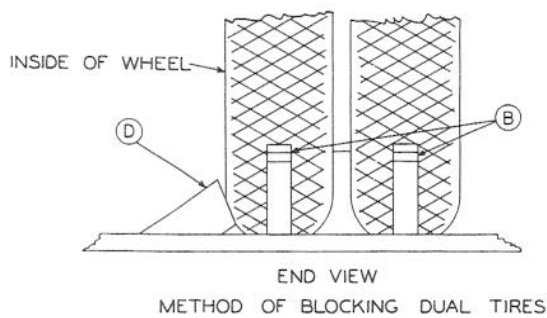
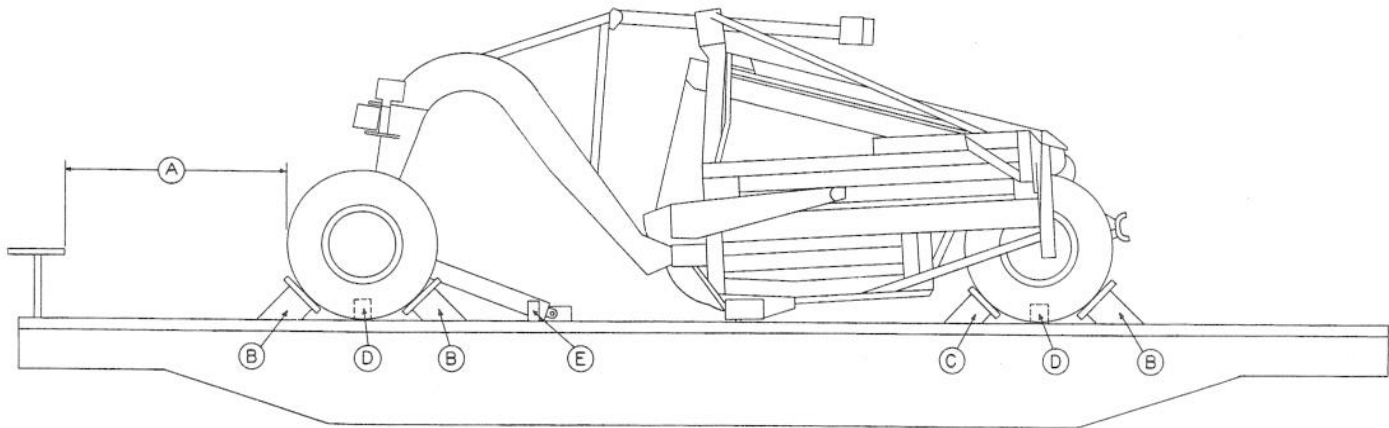
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	16	Blocks, pattern 7. Locate two in front and two in back of each wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	2	Blocks, pattern 9. Locate both against the outside or inside of each rear wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block. Substitute, if desired, Items "D" at each location.
D	4	2 in. x 4 in. x 18 in. Locate two against the outside of each front wheel. Nail each lower piece to floor with three 40-D nails and each top piece to the one below with three 40-D nails. Substitute, if desired, one Item "C" at each location.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 13

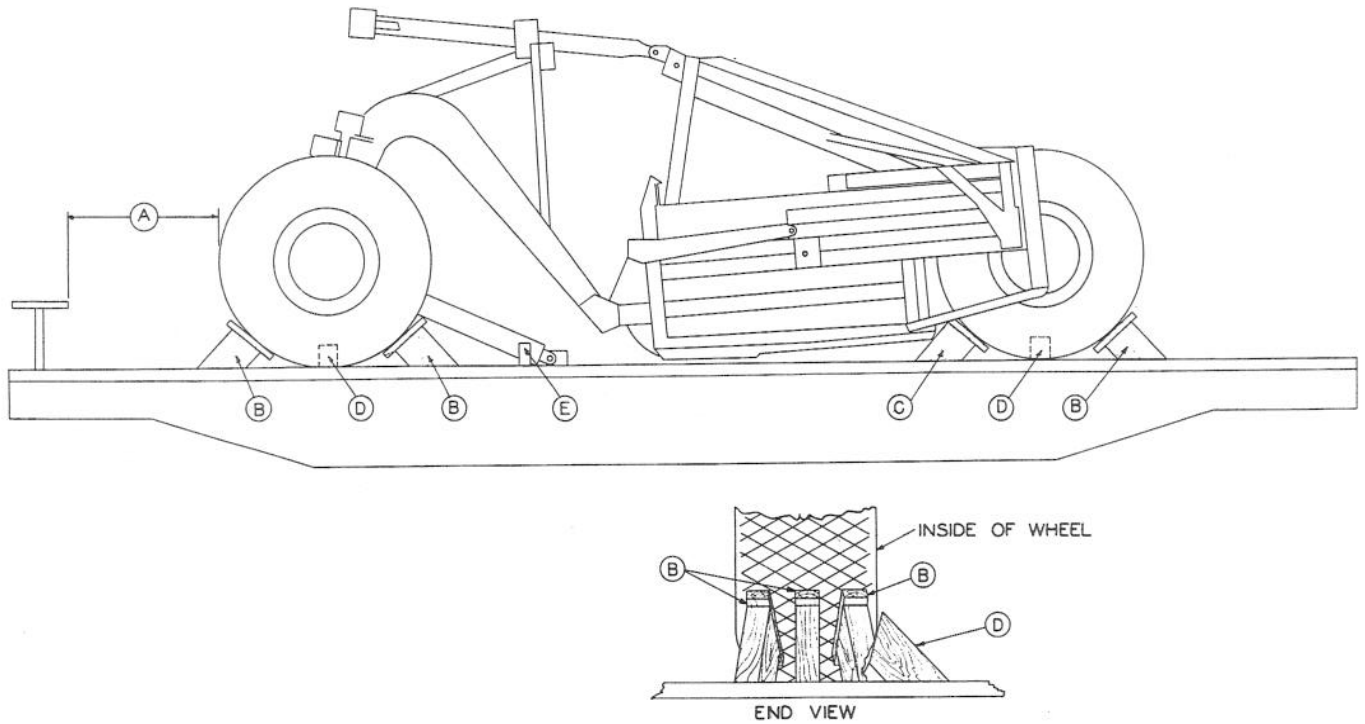
## FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	12	Blocks, pattern 7. Locate two in front and two in back of each front wheel and two in back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block. For units equipped with dual wheels, locate one Item "B" against the back of each rear wheel.
C	4	Blocks, pattern 8. Locate two in front of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
D	4	Blocks, pattern 9. Locate one against the inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
E	2	Blocks, pattern 10. Locate one against each side of tongue and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.

See General Rules 4, 5, 7, 9, 14, 19-B and Fig. 1-B for further details.

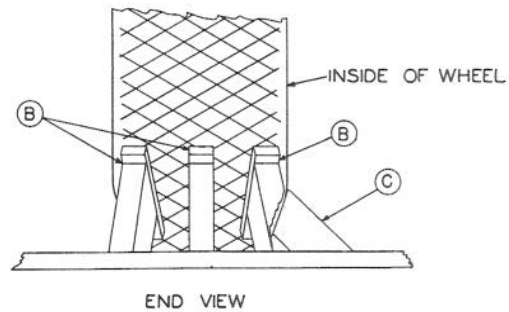
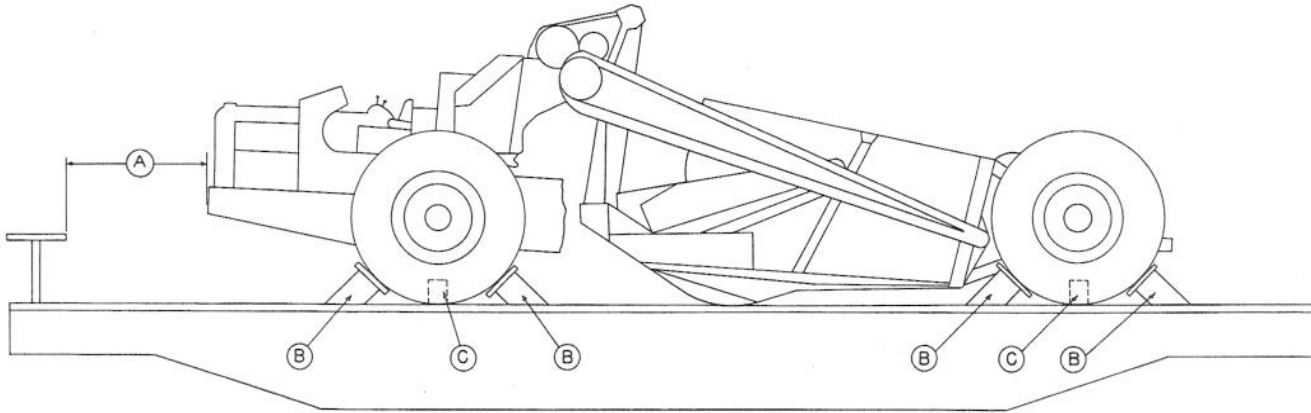
FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	18	Blocks, pattern 7. Locate three in front and three in back of each front wheel and three in back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	6	Blocks, pattern 8. Locate three in front of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
D	4	Blocks, pattern 9. Locate one against the inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
E	2	Blocks, pattern 10. Locate one against each side of tongue and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.

See General Rules 4, 5, 7, 9, 14, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 15

COMBINATION TWO WHEEL TRACTOR AND TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES),  
LENGTHWISE—FLAT CARS

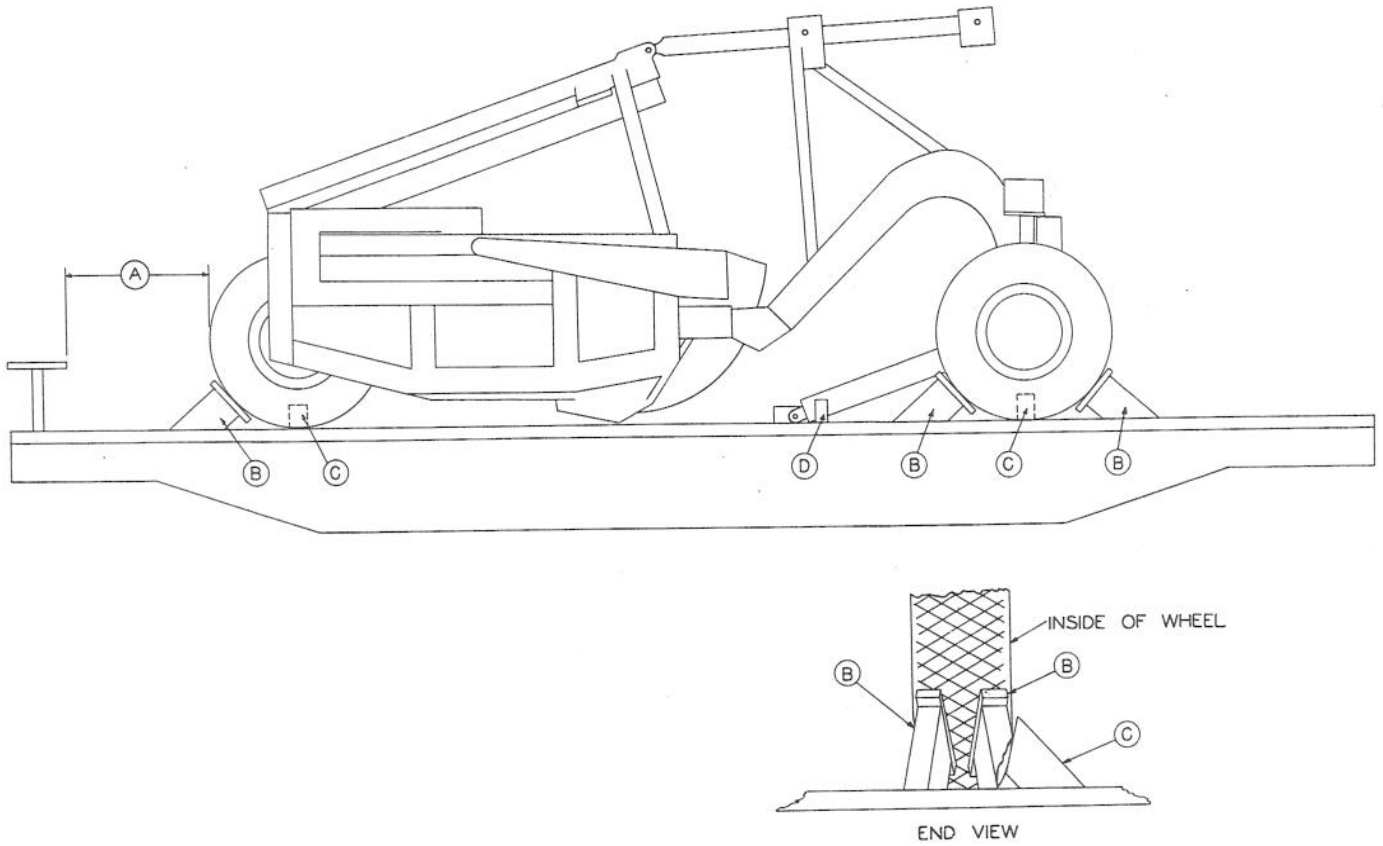
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	24	Blocks, pattern 7. Locate three in front and back of each front and rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 9. Locate one against the inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 19-A, 19-B and Fig. 1-B for further details.

Sec. 3—Fig. 16

FOUR WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

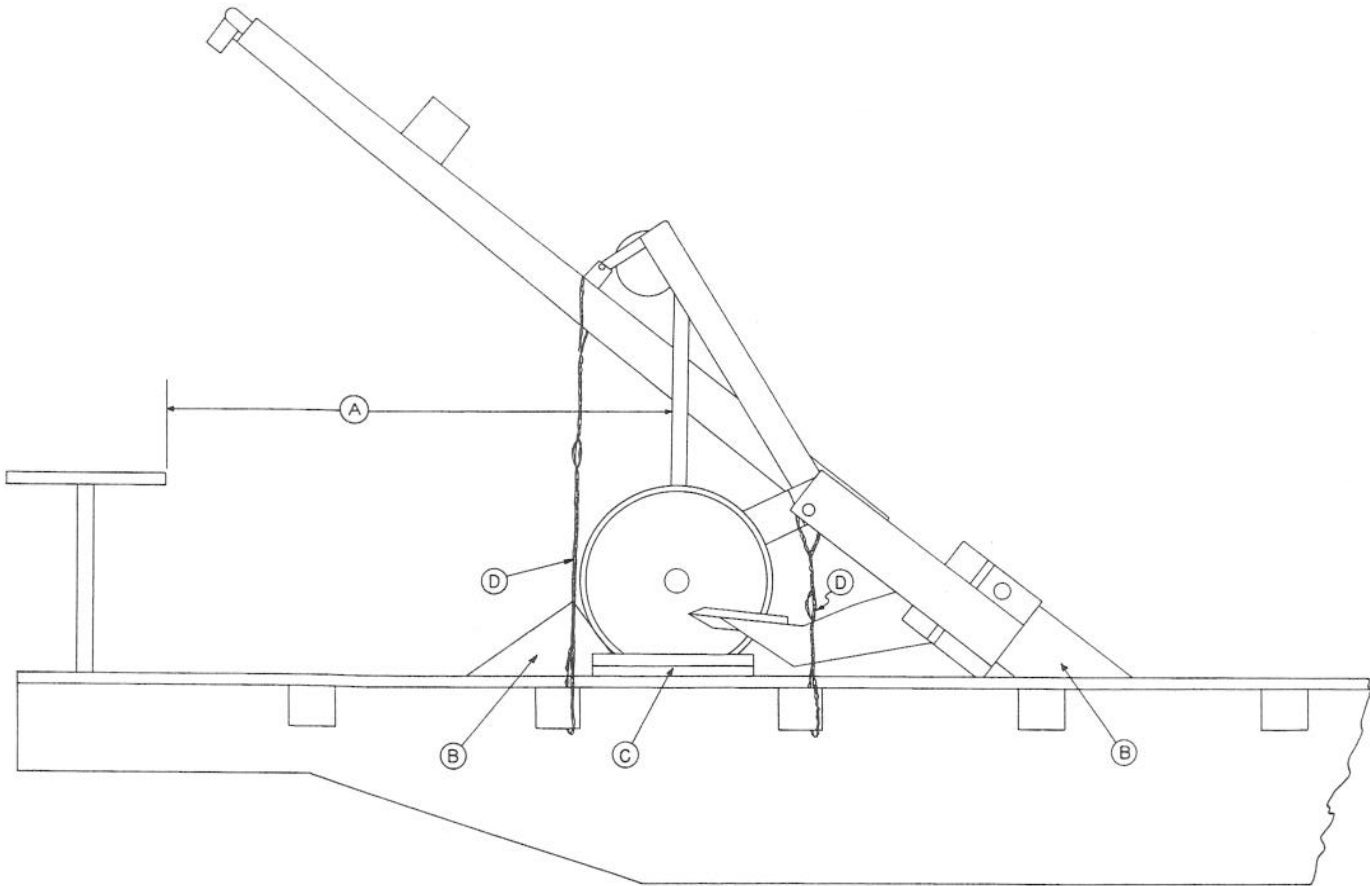


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	12	Blocks, pattern 7. Locate two in front and two in back of each front wheel and two in back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 9. Locate one against the inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
D	2	Blocks, pattern 10. Locate one against each side of tongue and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.

See General Rules 4, 5, 7, 9, 14, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 17

## RIPPERS, ROOTERS AND SCARIFIERS, LENGTHWISE—FLAT CARS

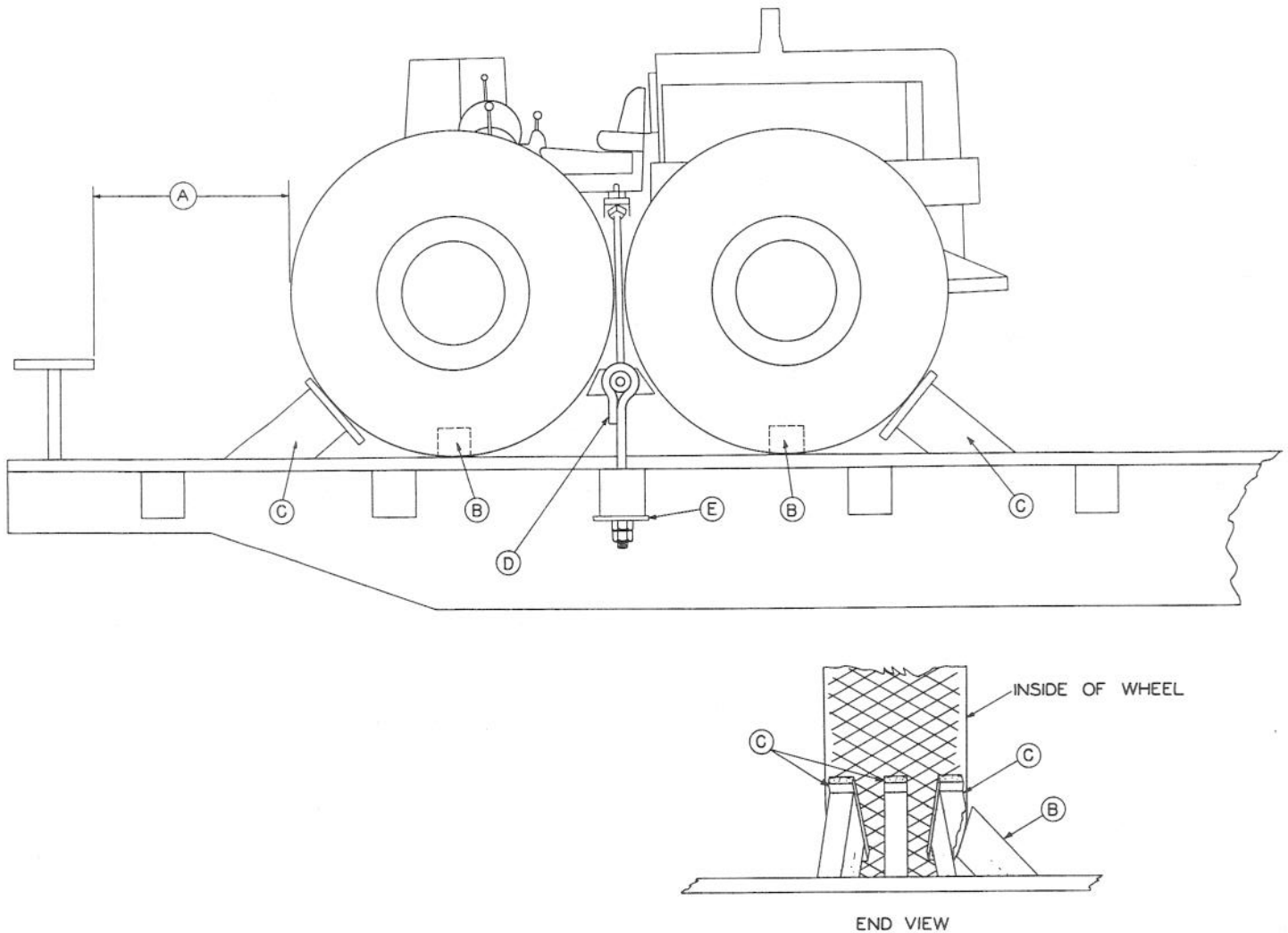


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4	Blocks, pattern 11. Locate one in front of each wheel and one against each rear corner of Rooter. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	4	2 in. x 4 in. x 18 in. Locate two against outside of each wheel. Nail each lower piece to floor with three 40-D nails and each top piece to the one below with three 40-D nails.
D	4	Each to consist of six strands No. 7 gage wire. Locate two, as shown, on each side of unit attached to frame and passed through stake pockets.

See General Rules 4, 5, 7, 9, 14, 15 and Fig. 1-B for further details.

## Sec. 3—Fig. 18

## FOUR WHEEL TRACTOR (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



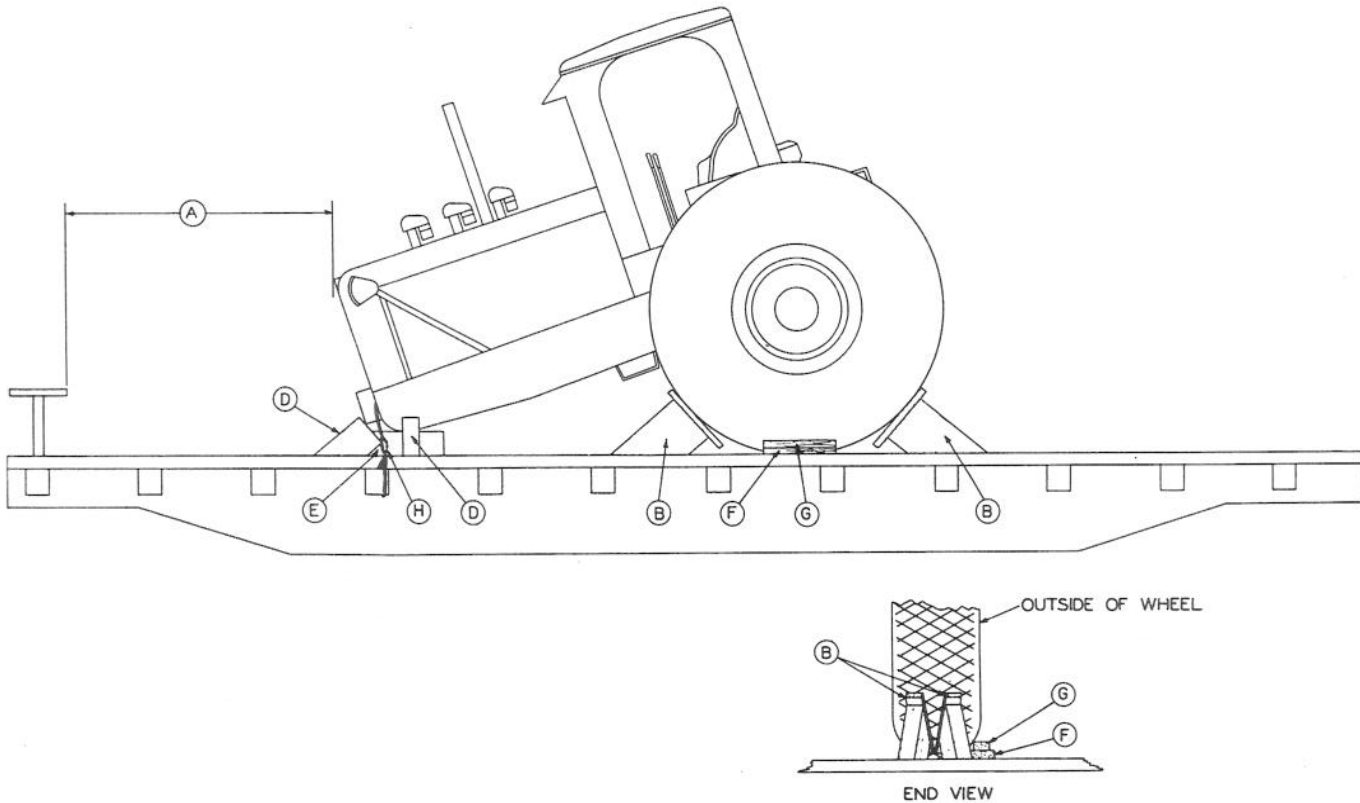
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4	Blocks, pattern 9. Locate one against inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	12 or 24	Blocks, pattern 12. Locate three against front of each front wheel and three against the back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block. When space between wheels will permit use, locate three against the back of each front wheel and three against the front of each rear wheel, in which event Items "D" and "E" are not required.
D	2	Hold-down eye bolts, pattern 15. Attach one to frame and pass through stake pocket and Item "E" on each side of machine and secure each with double 1 1/4 in. nuts. Substitute, if desired, one 5/8 in. x 6 x 7 steel cable, doubled, at front and rear of unit, secured to opposite stake pockets.
E	2	Plates, pattern 16. Locate one under stake pocket on each side of car at points where Items "D" are used. Not required when cables are used for Items "D".

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 19

## TWO WHEEL TRACTORS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



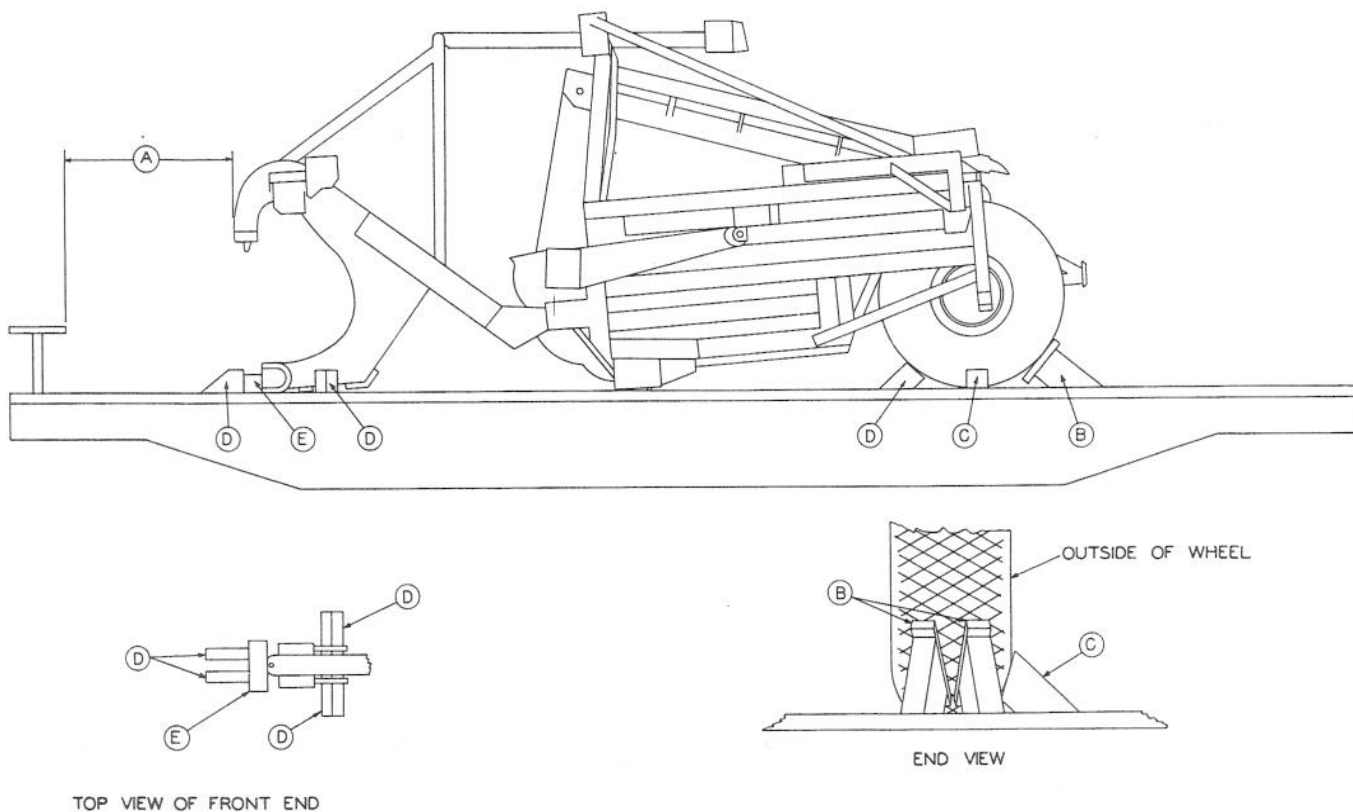
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8	Blocks, pattern 7. Locate two in front and two in back of each wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C (Not shown)	2	Blocks, pattern 9. Locate one against the outside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block. Not required when Items "F" and "G" are used.
D	4	Blocks, pattern 10. Locate one against each end of bumper and one against each side of frame. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
E	2	6 in. x 6 in. x 18 in. Locate one under each side of frame and nail each to floor with four 40-D nails.
F	2	2 in. x 6 in. x 18 in. Locate one against the outside of each wheel and nail each to floor with three 40-D nails. Not required when Items "C" are used.
G	2	2 in. x 4 in. x 18 in. Locate one against the outside of each wheel on top of Item "F" and nail to same with three 40-D nails. Not required when Items "C" are used.
H	2	Each to consist of six strands No. 7 gage wire. Locate, as shown, on each side of unit attached to bumper or frame and passed through stake pocket.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 20

## TWO WHEEL TRACTOR DRAWN SCRAPER (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

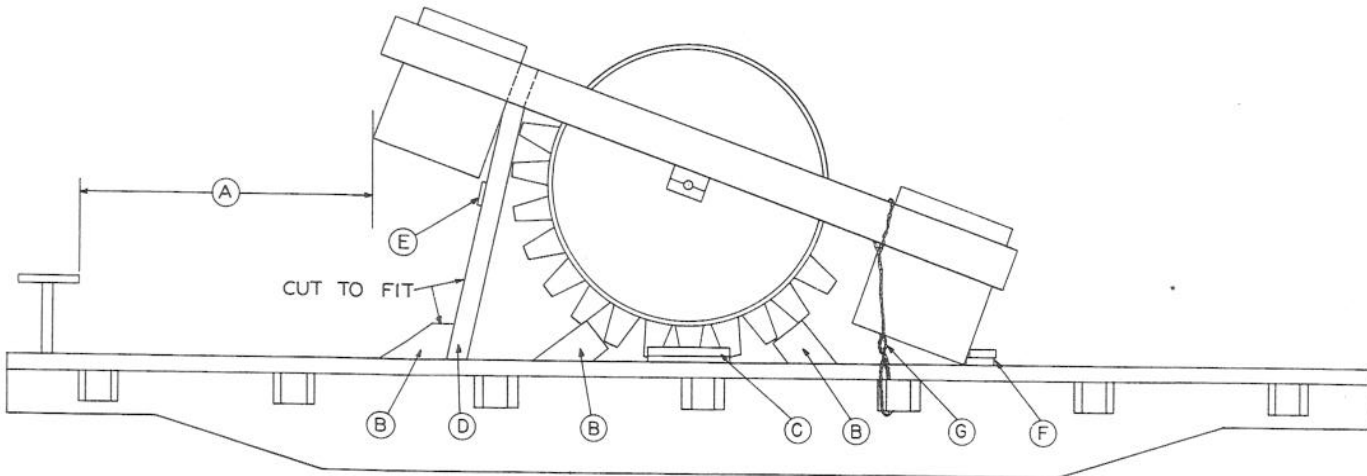


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4	Blocks, pattern 7. Locate two in front of each wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	2	Blocks, pattern 9. Locate one against the outside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
D	10	Blocks, pattern 10. Locate two in rear of each wheel, two against Item "E" and two against each side of yoke frame. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
E	1	6 in. x 6 in. x 18 in. Locate in front of yoke and toe-nail to floor with four 40-D nails.

See General Rules 4, 5, 7, 9, 14, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 21

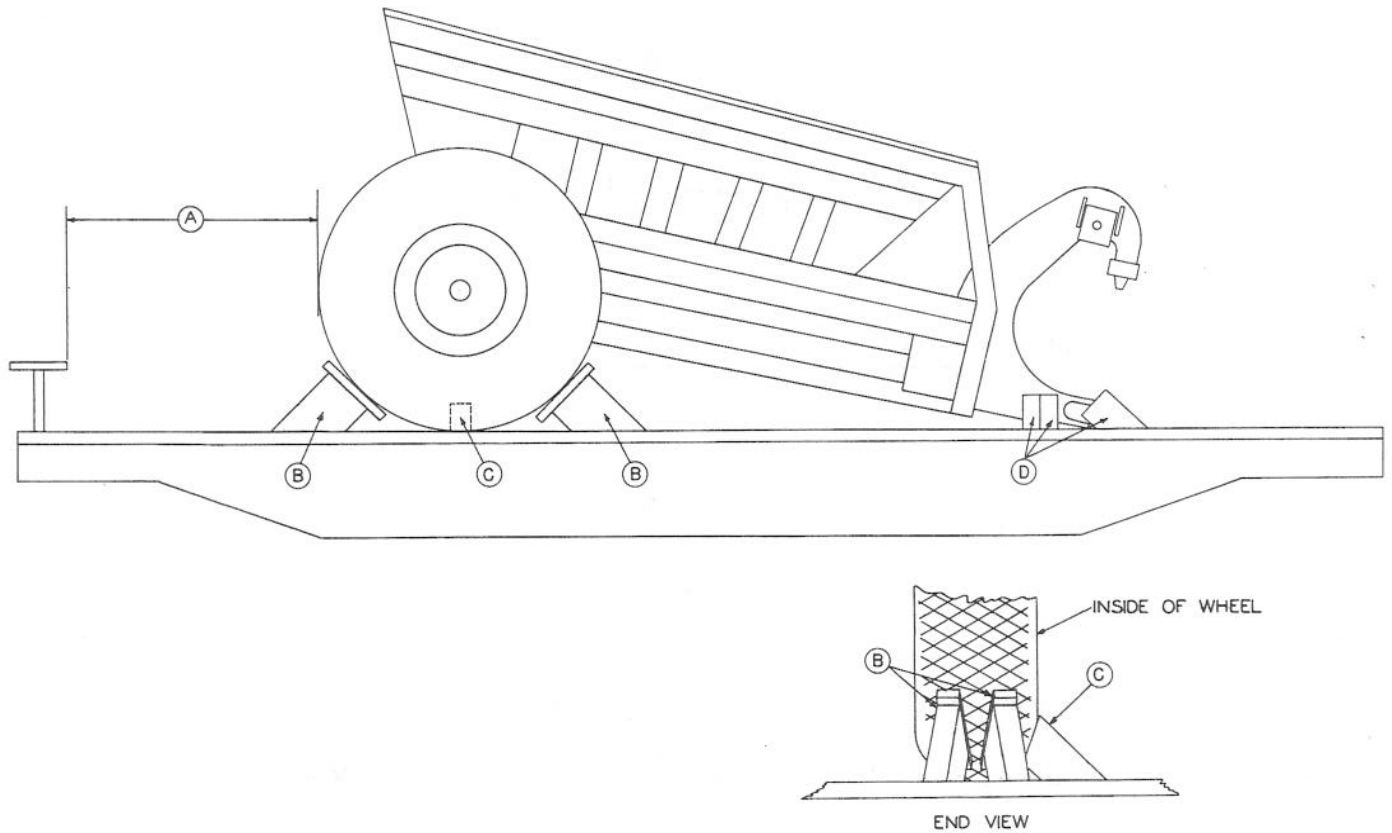
## SHEEPS FOOT ROLLER, LENGTHWISE — FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	6	Blocks, pattern 10. Locate two in front and two in back of drum against feet and one in front of each Item "D". Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	4	2 in. x 4 in. x 18 in. Locate two against feet on each side of car. Nail lower piece to floor with three 40-D nails and top piece to the one below with three 40-D nails.
D	2	4 in. x 4 in. x 58 in. Locate one under frame between drum and box at each side of unit. Toenail each to Items "B" with four 40-D nails.
E	1	1 in. x 6 in. x 60 in. Locate about midway between top and bottom of Items "D" and nail to each Item "D" with three 20-D nails.
F	2	2 in. x 6 in. x 60 in. Locate on floor against boxes. Nail lower piece to floor with eight 40-D nails and top piece to the one below with eight 40-D nails.
G	2	Each to consist of six strands No. 7 gage wire. Locate, as shown, on each side of unit attached to frame and passed through stake pocket.

See General Rules 4, 5, 7, 9, 14, 15 and Fig. 1-B for further details.

TWO WHEEL DUMP CART (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

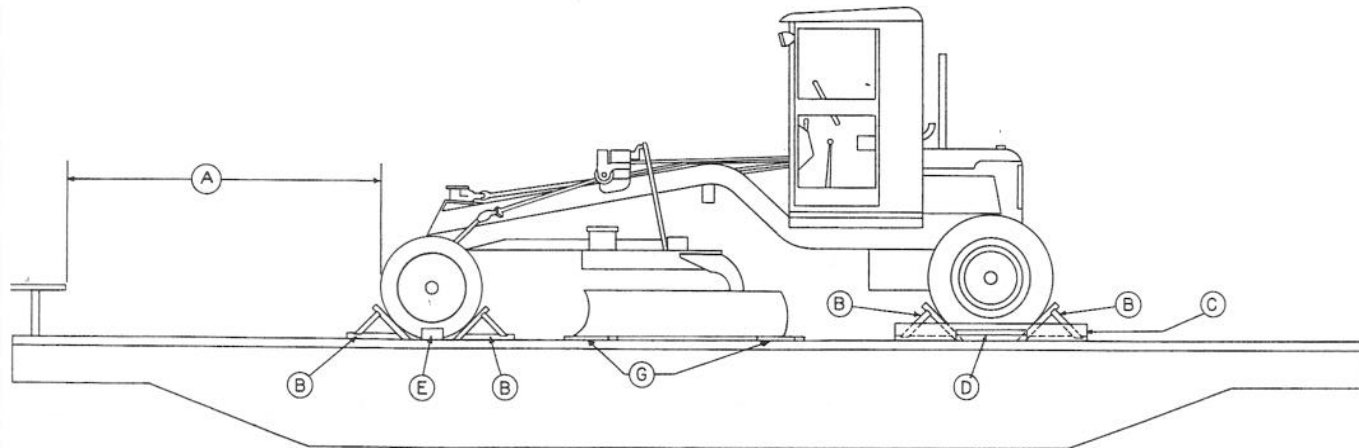


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8	Blocks, pattern 7. Locate two in front and two in back of each wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	2	Blocks, pattern 9. Locate one against the inside of each wheel and nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
D	5	Blocks, pattern 10. Locate two on each side of hitch and one against front of hitch. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.

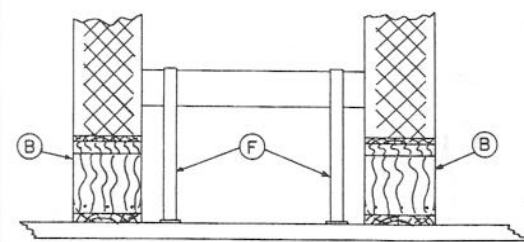
See General Rules 4, 5, 7, 9, 14, 19-B and Fig. 1-B for further details.

Sec. 3—Fig. 23

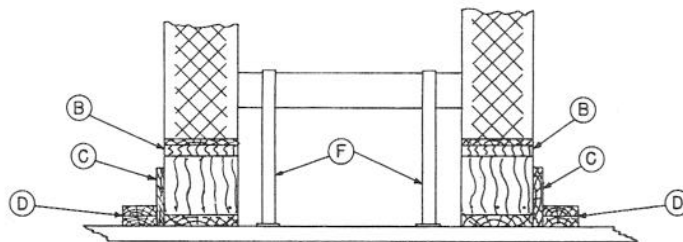
FOUR WHEEL MOTOR GRADERS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



BLOCK BOTH SIDES THE SAME



FRONT VIEW



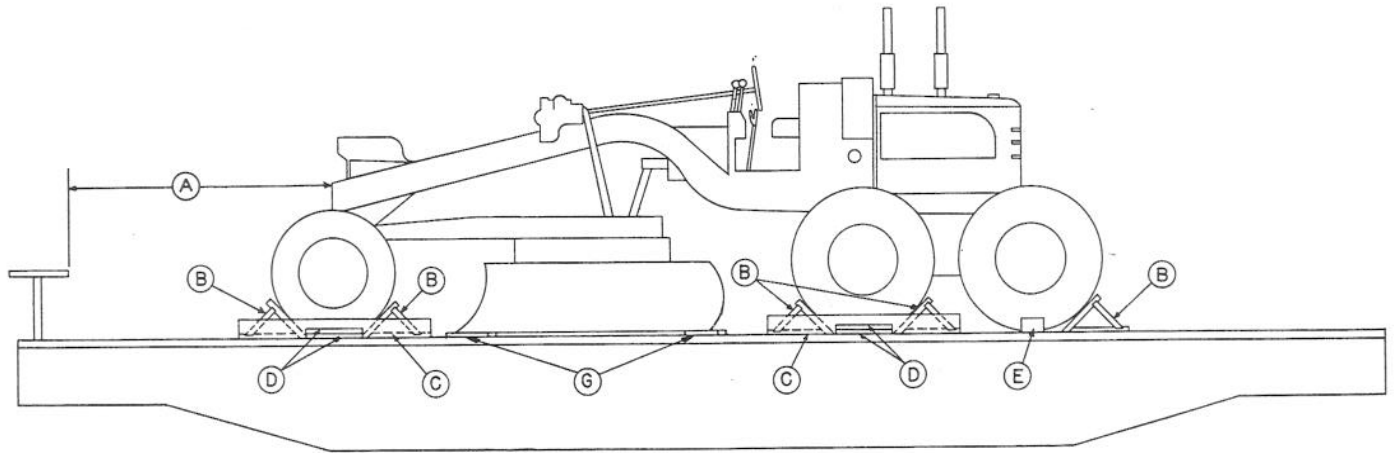
REAR VIEW

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8	Blocks, pattern 17. Locate one in front and one in back of each wheel. Nail each to floor with five 30-D nails in heel and one 30-D nail in each side of block.
O	2	2 in. x 8 in. x 6 ft. Locate one against outside of each rear wheel and nail to each Item "B" with five 30-D nails.
D	2	2 in. x 4 in. x 18 in. Locate one against the center of each Item "C". Nail lower piece to floor with three 30-D nails and top piece to the one below with three 30-D nails.
E	2	Blocks, pattern 18. Locate one against the outside of each front wheel. Nail each to floor with three 30-D nails in heel and one 30-D nail in each side of block.
F	4	1¼ in. x .035 in. high tension bands with eight eight-hole anchor plates, pattern 19. Locate two over each end of each axle and nail each plate to floor with eight 30-D nails.
G	2	1 in. x 6 in. x 24 in. Locate longitudinally under blade of unit, suitably spaced as shown and secure each to floor with three 10-D nails.

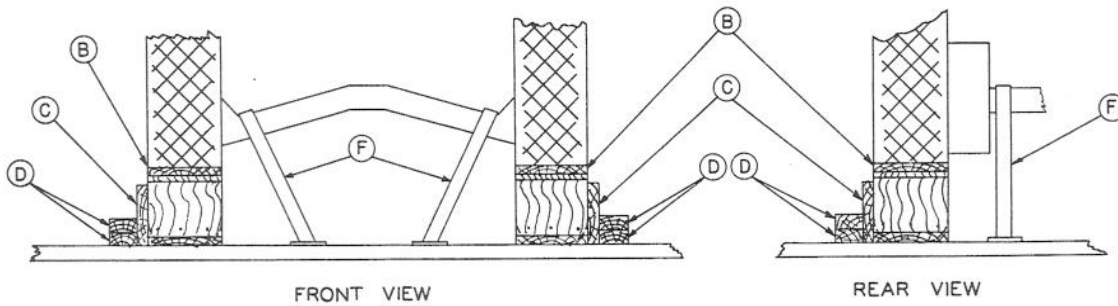
If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

SIX WHEEL MOTOR GRADERS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



BLOCK BOTH SIDES THE SAME



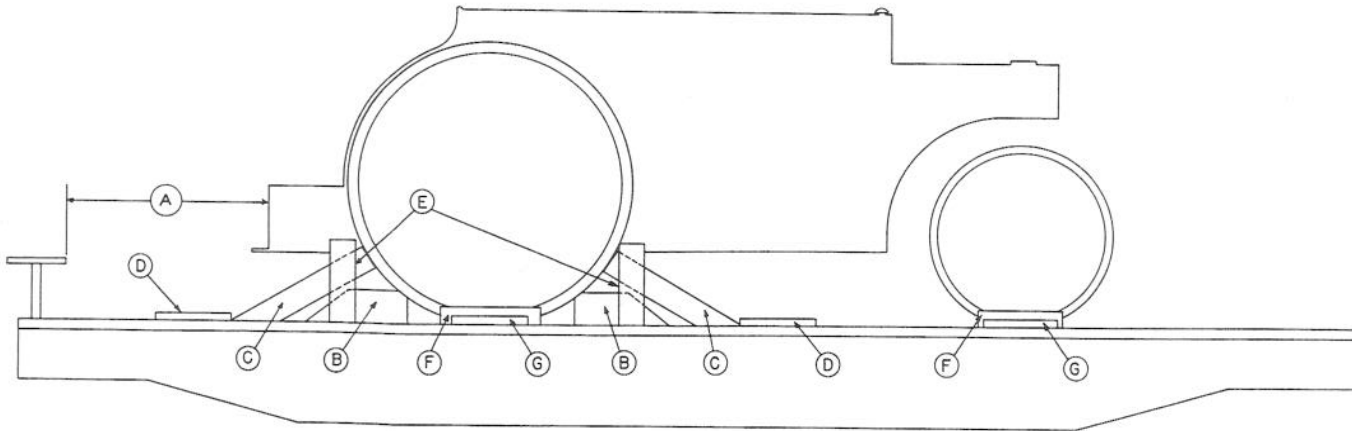
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	10	Blocks, pattern 17. Locate one in front and back of each front wheel, one in front and back of each intermediate wheel and one in back of each rear wheel. Nail each to floor with five 30-D nails in heel and one 30-D nail in each side of block.
C	4	2 in. x 8 in. x 6 ft. Locate one against the outside of each front and each intermediate wheel. Nail to each Item "B" with five 30-D nails.
D	8	Each to consist of two blocks, 2 in. x 4 in. x 18 in. Locate one against center of each Item "C". Nail lower piece to floor with three 30-D nails and top piece to the one below with three 30-D nails.
E	2	Blocks, pattern 18. Locate one against the outside of each rear wheel. Nail each to floor with three 30-D nails in heel and one 30-D nail in each side of block.
F	6	1¼ in. x .035 in. high tension bands with twelve eight-hole anchor plates, pattern 19. Locate two over each end of each axle and nail each plate to floor with eight 30-D nails.
G	2	1 in. x 6 in. x 24 in. Locate longitudinally under blade of unit, suitably spaced as shown and secure each to floor with three 10-D nails.

If so equipped, hand brakes must be tightly set and levers wired.

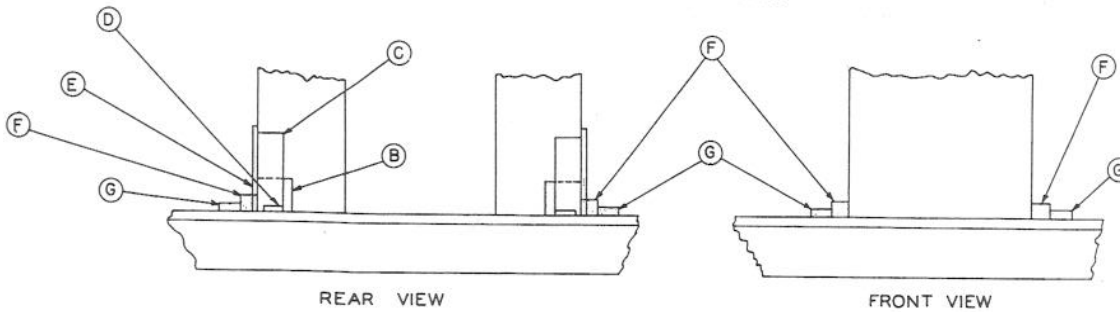
See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 25

## THREE WHEEL ROAD ROLLERS, LENGTHWISE—FLAT CARS



BLOCK BOTH SIDES THE SAME



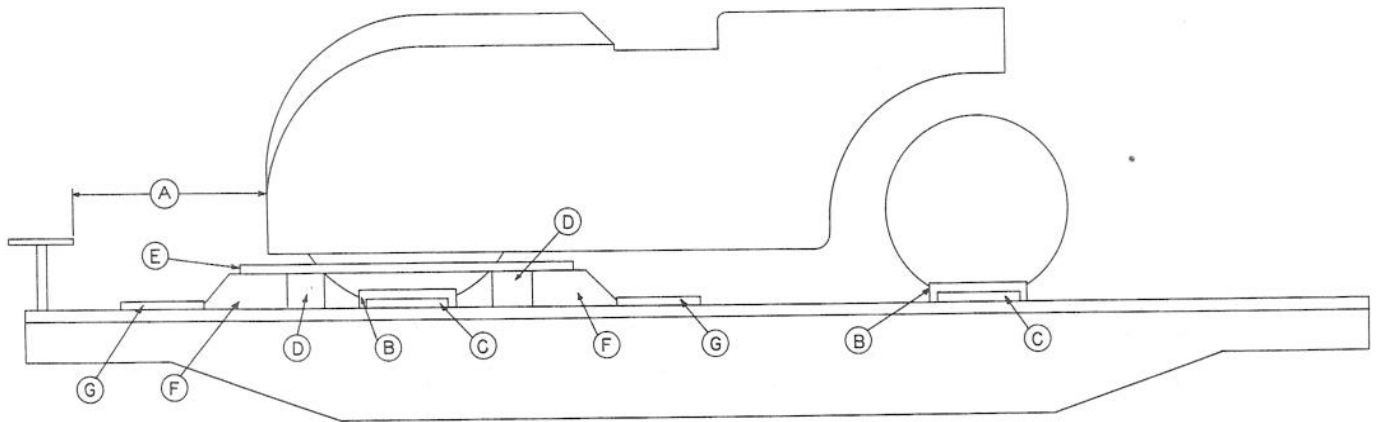
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4	Blocks, pattern 20. Locate one against front and back of each rear wheel. Bolt each to floor with one $\frac{1}{8}$ in. dia. bolt passed through floor and 4 in. x 4 in. x 18 in. cleat or $\frac{1}{2}$ in. x 4 in. x 18 in. plate under floor, and nail to floor with five 30-D nails in heel of block.
C	4	Blocks, pattern 21. Locate one against front and back of each rear wheel in back of Items "B". Nail each to floor with three 40-D nails in heel and one 30-D nail in each side of block.
D	4	2 in. x 6 in. x 18 in. Locate one on floor, against Item "C", and nail to floor with three 30-D nails.
E	4	Braces, 2 in. x 6 in. x 20 in. Locate one against side of each Item "B" and nail to Items "B" and "C" with two 30-D nails at each location.
F	4	Blocks, 4 in. x 4 in. x 23 in. Locate one against the outside of each rear wheel and against each side of front roller. Toe-nail each to floor with four 30-D nails.
G	4	Blocks, 2 in. x 6 in. x 18 in. Locate one against outside of each Item "F" and nail each to floor with three 30-D nails.

If so equipped, hand brakes must be tightly set and levers wired.

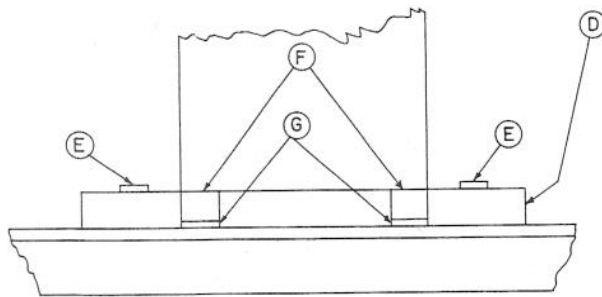
See General Rules 4, 5, 7, 9, 14, 19-A and Fig. 1-B for further details.

## Sec. 3—Fig. 26

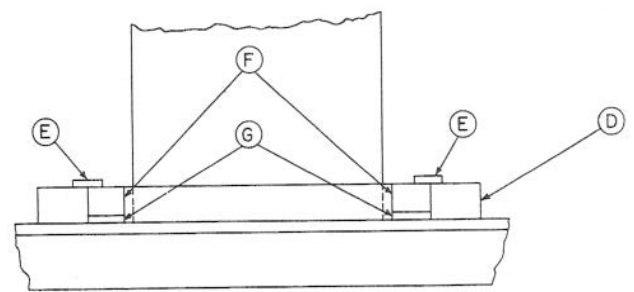
## TANDEM ROAD ROLLERS, LENGTHWISE—FLAT CARS



BLOCK BOTH SIDES THE SAME



REAR VIEW OF REAR ROLL



FRONT VIEW OF REAR ROLL

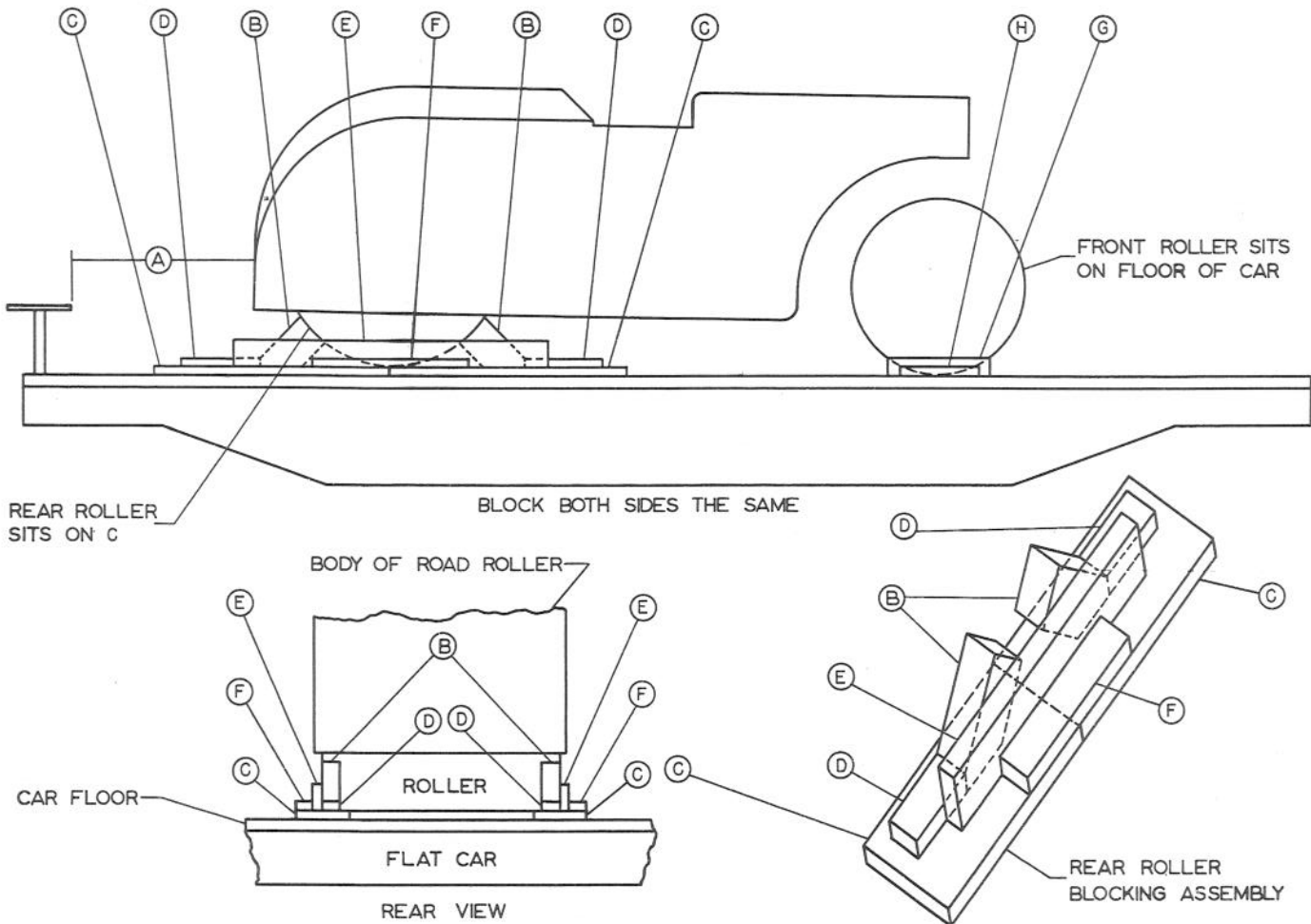
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4	4 in. x 4 in. x 21 in. Locate one against each side of front and rear roll and toe-nail each to floor with four 30-D nails.
C	4	2 in. x 6 in. x 18 in. Locate one against outside of each Item "B" and nail each to floor with three 30-D nails.
D	2	8 in. x 8 in. x 8 ft. Locate one against front and back of rear roll. Toe-nail each side to floor with two 40-D nails in end and two 30-D nails in each side.
E	2	2 in. x 6 in. x 6 ft. Locate against each end of rear roller on top of Items "D" and nail each end to Items "D" with three 30-D nails at each location.
F	4	Blocks, pattern 22. Locate one against outside face of each Item "D", in line with each end of roller. Bolt each to floor with one $\frac{1}{8}$ in. dia. bolt passed through floor and 4 in. x 4 in. x 18 in. cleat or $\frac{1}{2}$ in. x 4 in. x 18 in. plate under floor, and nail to floor with three 40-D nails in heel of block.
G	4	2 in. x 6 in. x 18 in. Locate one on floor against each Item "F" and nail to floor with three 30-D nails.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A and Fig. 1-B for further details.

## Sec. 3—Fig. 27

## TANDEM AND THREE WHEEL ROAD ROLLERS, LENGTHWISE—FLAT CARS

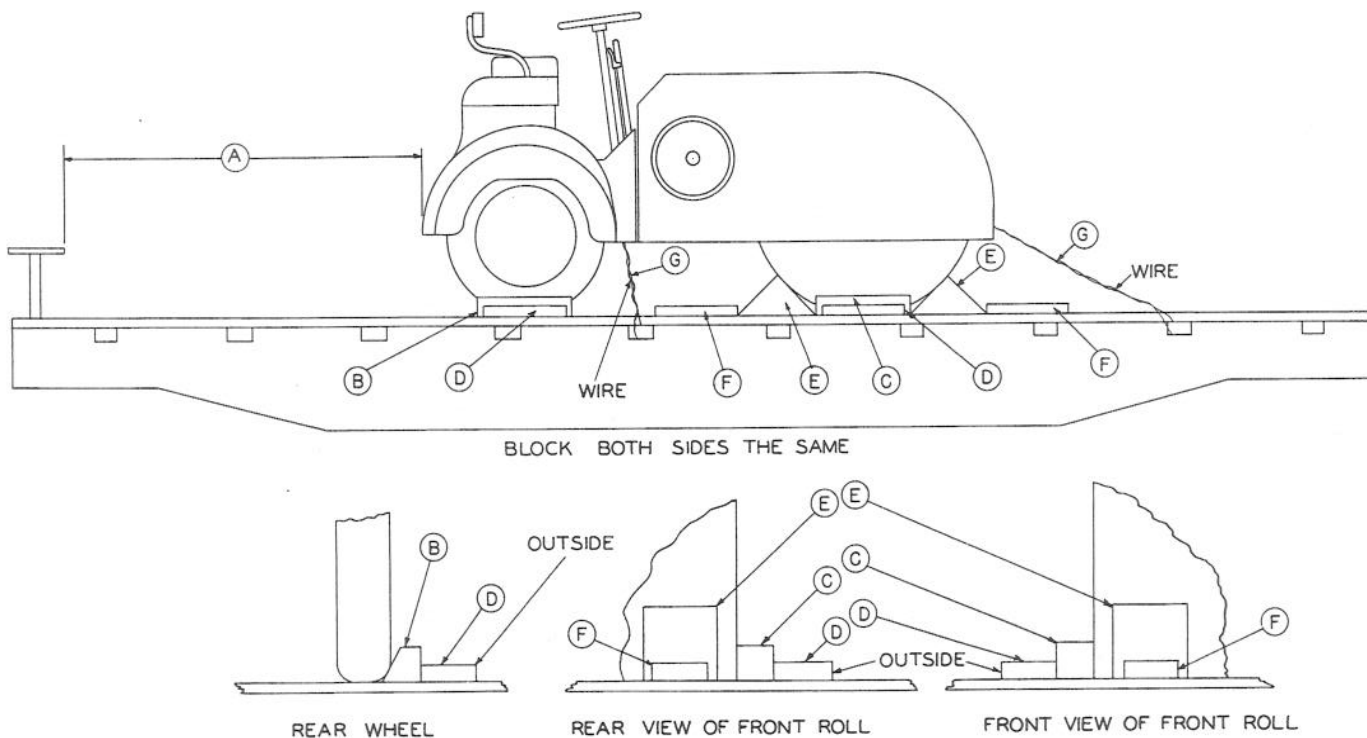


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. unit.	Blocks, pattern 1, chamfered at toe to provide application of Item "D". Preassemble blocking, Items "B", "D" and "C". Secure "B" to "C" with nine 40-d nails, two through "C" from underneath, five in toe and one on each side of block. Locate preassembled blocking underneath and against front and back of each side of rear roller, as shown, or against front and back of each rear wheel, with Items "C" butted together.
C	4 ea. unit.	2 in. x 12 in. x 54 in. Locate as shown, under rear roller or rear wheels, and secure each to floor with eight 30-d nails.
D	1 ea. Item "B"	2 in. x 4 in. x 18 in. Locate against Item "B", as shown, and secure each to Item "C", with five 30-d nails.
E	2 ea. unit.	2 in. x 6 in. x 6 ft. Locate, as shown, after preassembled blocking is in place, against each side of roller and secure to each Item "B", with three 30-d nails.
F	2 ea. unit.	2 in. x 4 in. x 36 in. Locate one, as shown, against each Item "E", and secure each to Item "C" with six 30-d nails.
G	2 ea. unit.	4 in. x 4 in. x 23 in. Locate one against each side of front roller and toe-nail each to floor with four 30-d nails.
H	2 ea. unit.	2 in. x 6 in. x 18 in. Locate one against outside of each Item "G" and secure each to floor with four 30-d nails.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 11, 14, 19-A and Figure 1-B for further details.

ROAD ROLLERS WITH ONE SOLID ROLL AND TWO PNEUMATIC TIRED WHEELS, LENGTHWISE—FLAT CARS



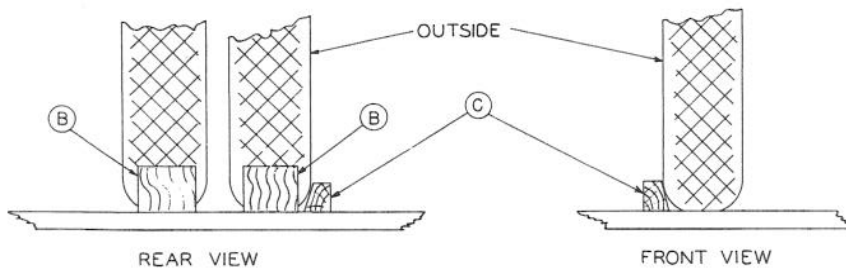
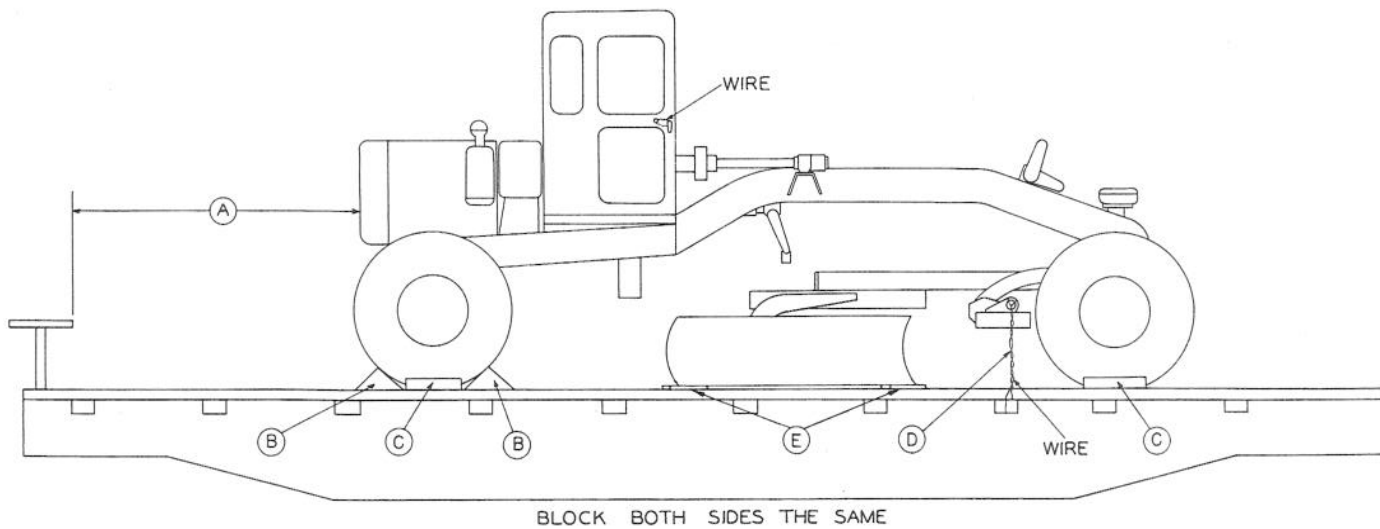
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2 ea. machine	Blocks, pattern 23 beveled to fit contour of tire. Locate one against outside of each front wheel and toe-nail to floor with four 30-D nails.
C	2 ea. machine	4 in. x 4 in. x 21 in. Locate one against each outside face of front roller and toe-nail to floor with four 30-D nails.
D	4 ea. machine	2 in. x 6 in. x 18 in. Locate one against each Item "B" and "C" and nail each to floor with three 30-D nails.
E	4 ea. machine	Blocks, pattern 24. Locate two against each end and in line with end of roller. Nail each to floor with five 40-D nails.
F	1 ea. Item "E"	2 in. x 6 in. x 18 in. Locate one on floor against each Item "E" and nail to floor with three 30-D nails.
G	4 ea. machine	Each to consist of eight strands of No. 9 gage wire. Pass four wires around frame and through stake pocket. Overlap ends of wire and twist taut with rod, bolt or pipe, secured to prevent working loose.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

## Sec. 3—Fig. 29

## FOUR WHEEL MOTOR GRADERS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS

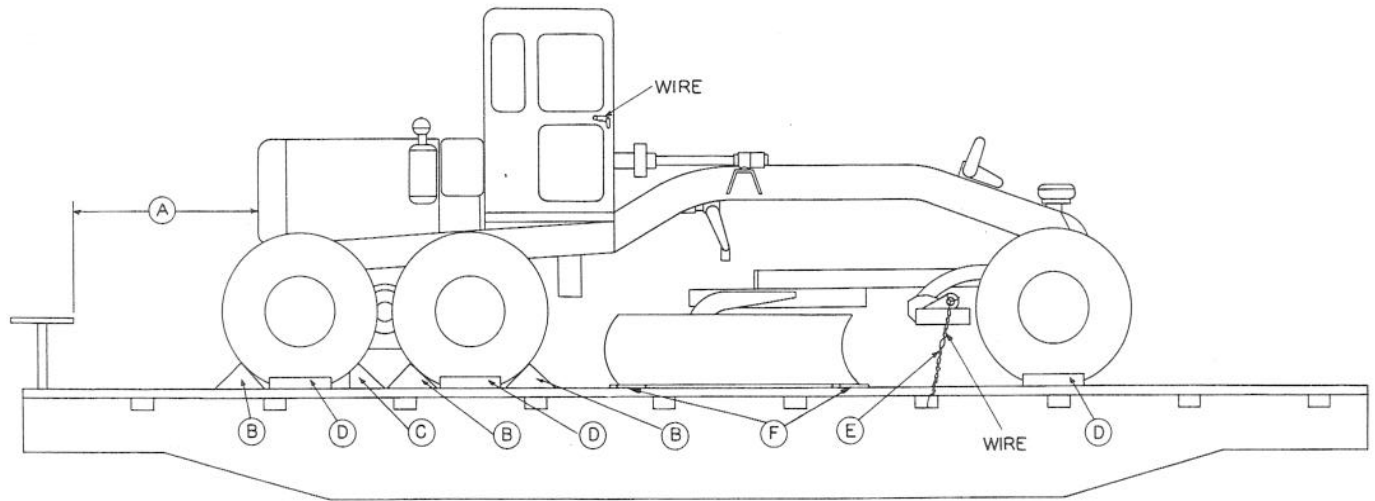


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	Single Wheels—4 Dual Wheels —8	Blocks, pattern 24. Locate one against the front and back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	4	Blocks, pattern 23 beveled to fit contour of tires. Locate one against the outside of each outside wheel and nail to floor with four 40-D nails in each.
D	2	Each to consist of eight strands of No. 9 gage wire. Pass four wires around draw bar at each side of front of machine and through stake pockets. Overlap ends of wire and twist taut with rod, bolt or pipe, secured to prevent working loose.
E	2	1 in. x 6 in. x 24 in. Locate longitudinally under blade of unit, suitably spaced as shown and secure each to floor with three 10-D nails.

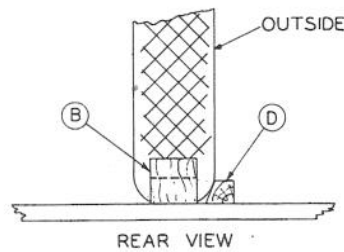
If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.

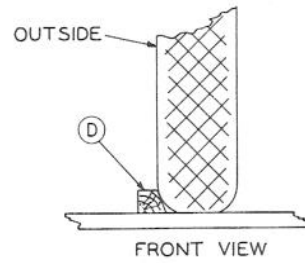
SIX WHEEL MOTOR GRADERS (WITH PNEUMATIC TIRES), LENGTHWISE—FLAT CARS



BLOCK BOTH SIDES THE SAME



REAR VIEW



FRONT VIEW

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	6	Blocks, pattern 24. Locate one against the front and back of each intermediate wheel and one in back of each rear wheel. Nail each to floor with five 40-D nails in heel and one 40-D nail in each side of block.
C	2	Blocks, pattern 25. Locate one against the front of each rear wheel. Nail each to floor with three 40-D nails in heel and one 40-D nail in each side of block.
D	6	Blocks, pattern 23 beveled to fit contour of tire. Locate one against the outside of each wheel and nail to floor with four 40-D nails in each.
E	2	Each to consist of eight strands of No. 9 gage wire. Pass four wires around draw bar at each side of the front of machine and through stake pockets. Overlap ends of wire and twist taut with rod, bolt or pipe, secured to prevent working loose.
F	2	1 in. x 6 in. x 24 in. Locate longitudinally under blade of unit, suitably spaced as shown and secure each to floor with three 10-D nails.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A, 19-B and Fig. 1-B for further details.



SECTION No. 3

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PART 2

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RULES GOVERNING

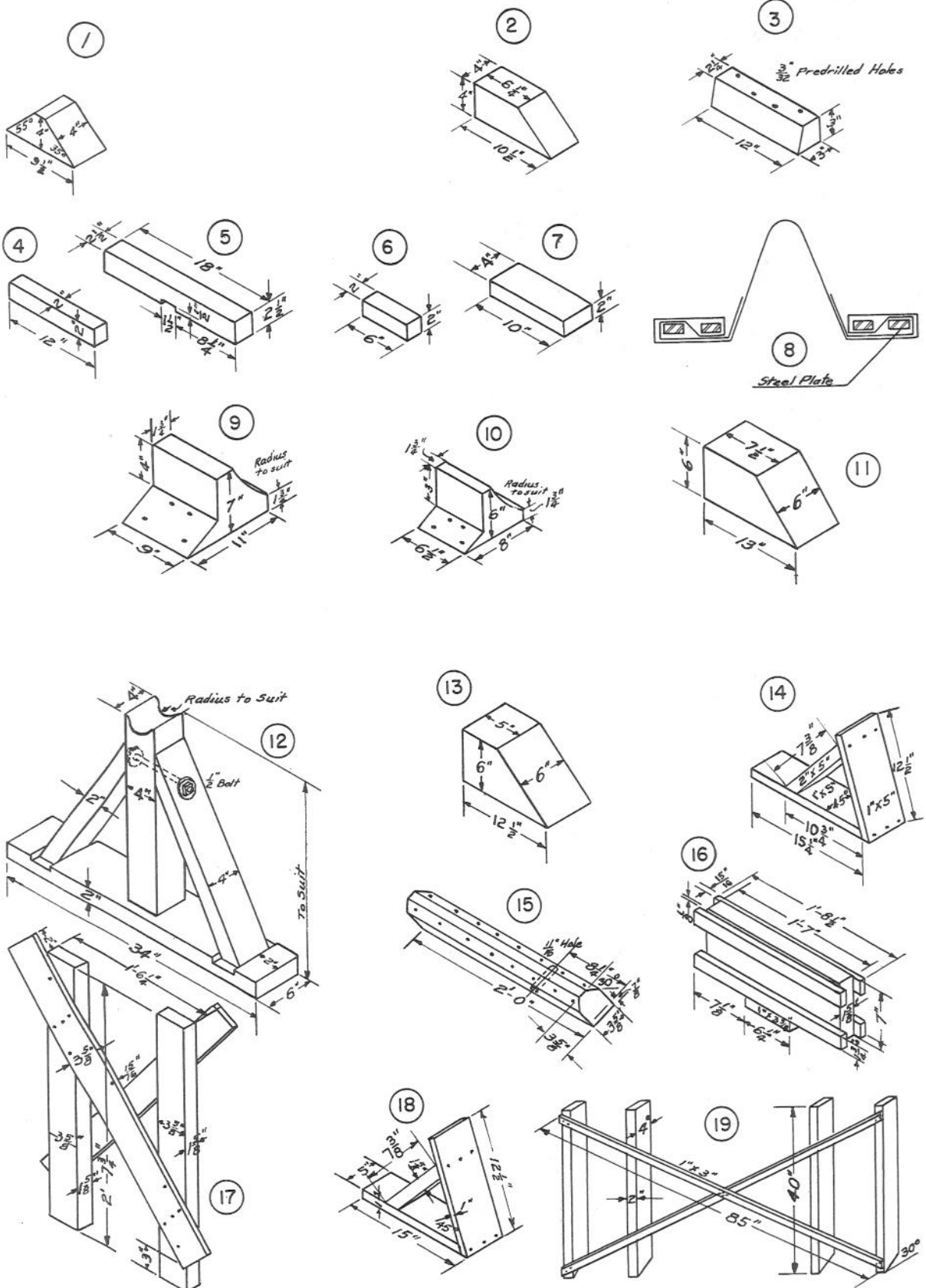
THE

**Loading of Farm Equipment Machinery**

**On Open Top Cars**

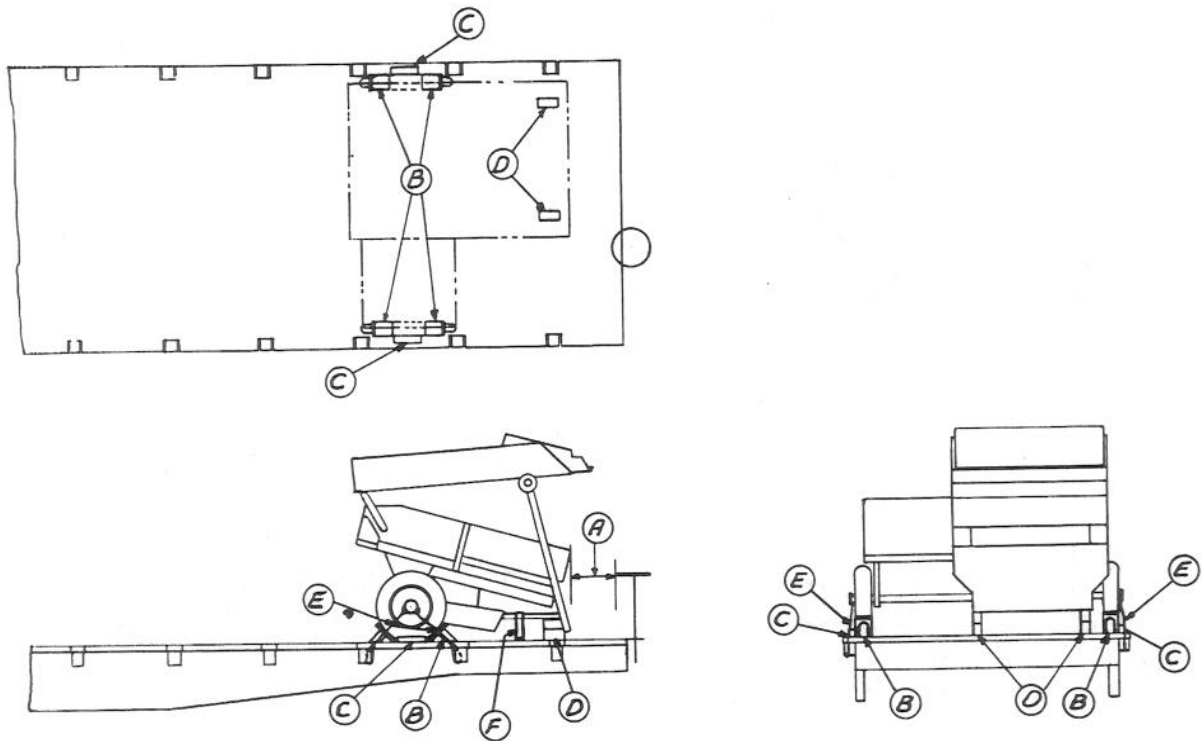


### BLOCKING PATTERNS PART 2 - SECTION- NO. 3





HARVESTER-THRESHERS (COMBINES), LENGTHWISE OR CROSSWISE, 4,000 LBS. OR LESS—FLAT CARS



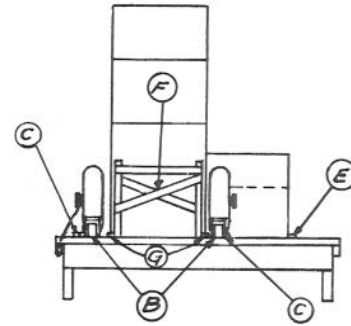
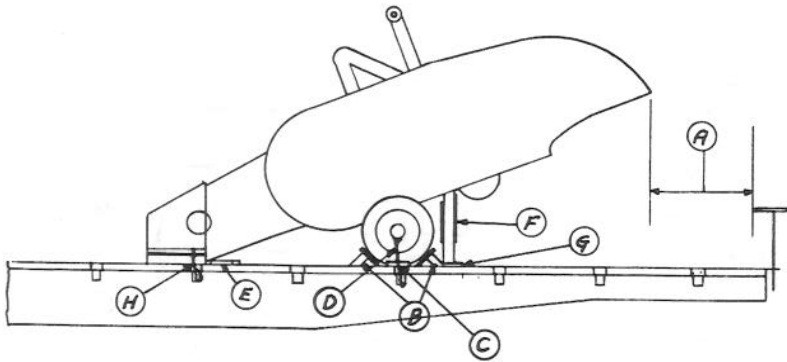
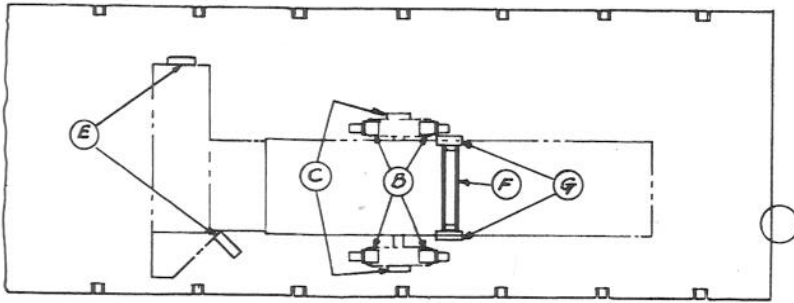
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine	Blocks, per Patterns 18, 21 or 26. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. machine	Blocks, 3 $\frac{5}{8}$ in. x 4 $\frac{1}{4}$ in. x 8 in. Locate one under frame at each side of rear of machine, as shown. Nail lower piece to floor with four 40-D nails and top piece to one below with four 40-D nails.
E	4 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame of machine or through spokes of wheel and around axle and pass through stake pockets. Twist taut.
F	2 ea. machine	1 $\frac{1}{4}$ in. x .035 in. steel bands with anchor plates, length to suit. Pass over frame on each side of machine, as shown, and nail each plate to floor with eight 20-D cement-coated nails.

When units are loaded crosswise, axle supports, built up of 2 in. x 8 in., must be used at each end of axle and secured to floor with eight 30-D nails in each.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

## Sec. 3—Fig. 52

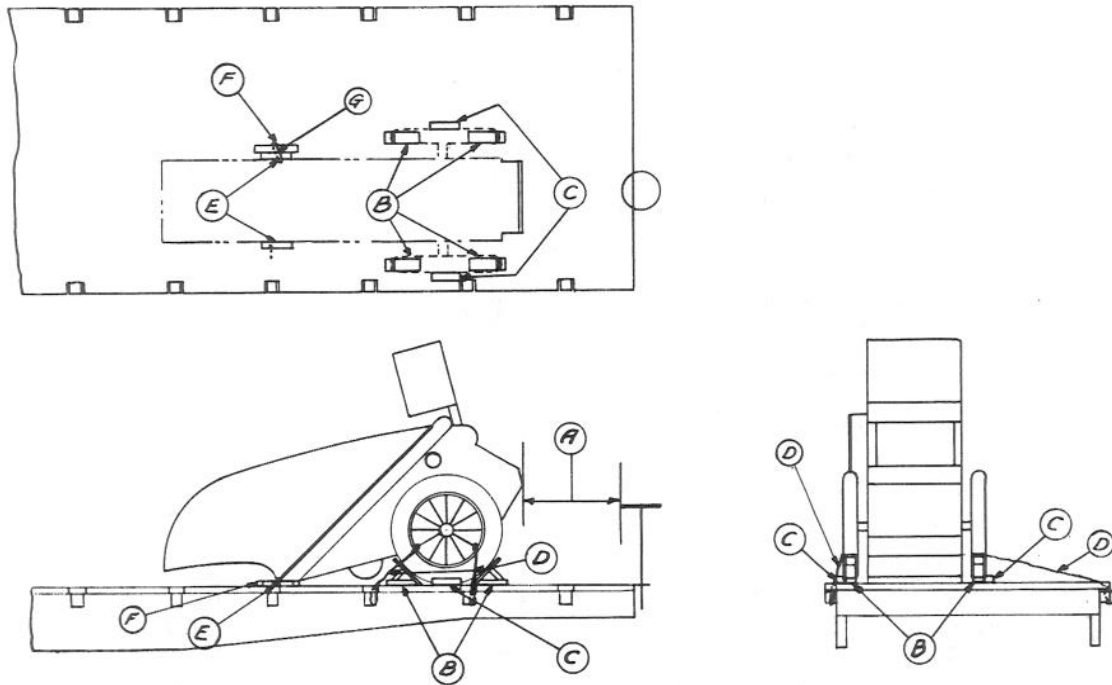
## HARVESTER-THRESHERS (COMBINES), 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 18, 21 or 26. Locate in front and back of each wheel. Secure each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. machine.	6 strands, No. 9 ga. wire. Pass around hub cap or axle and through stake pockets, or underneath block per Pattern 6, nailed to floor with six 40-D nails. Twist taut.
E	2 ea. machine.	Blocks, per Pattern 4. Locate on each side of machine, as shown. Nail each to floor with four 30-D nails.
F	1 ea. machine.	Support, per Pattern 23. Locate under frame at rear of machine, as shown. Secure at top with two 30-D nails through bracket holes, and to each Item "G" with three 20-D nails.
G	2 ea. machine.	Blocks, per Pattern 4. Locate against each side of Item "F". Nail each to floor with four 30-D nails.
H	1 ea. machine.	6 strands No. 9 ga. wire. Attach to frame and pass through stake pocket. Twist taut.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

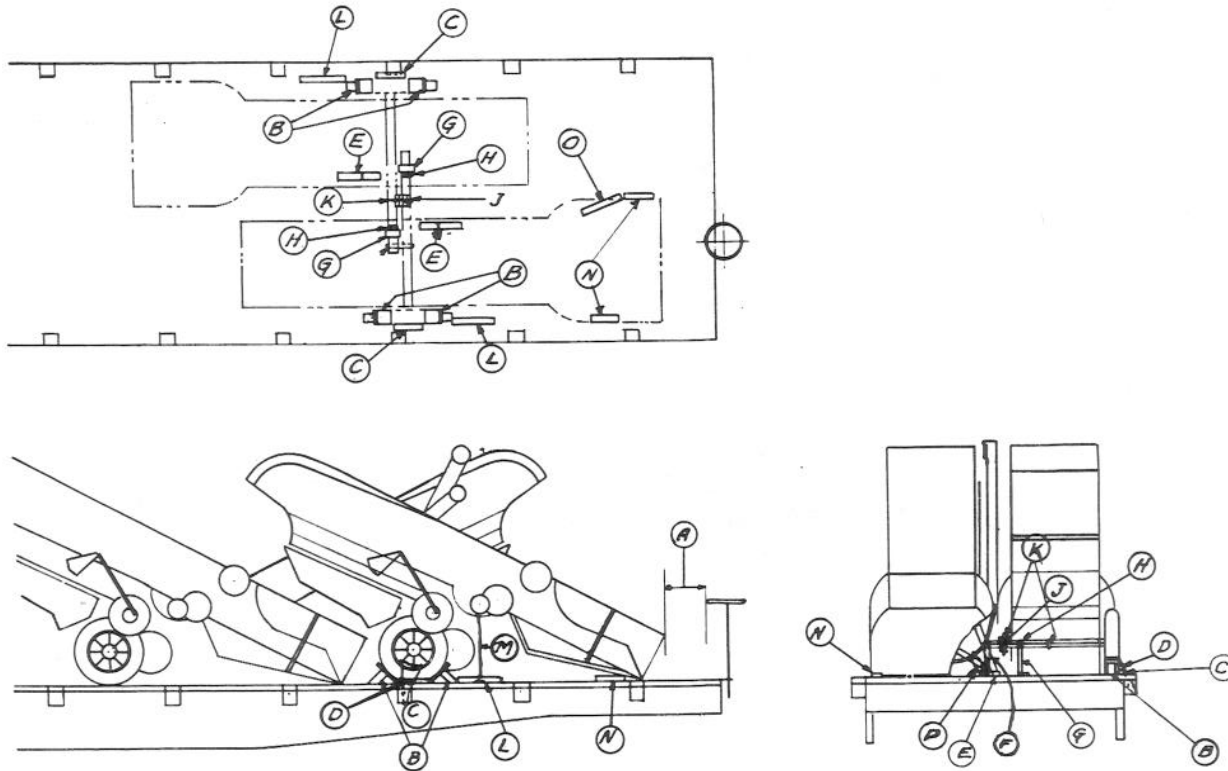
HARVESTER-THRESHERS (COMBINES), 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 18, 21 or 26. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D nails. Not required when Items "J" or used.
C	2 ea. machine.	Blocks per Pattern 3. Locate outside of wheels, as shown. Nail to floor with four 40-D nails. Not required when Items "J" are used.
D	4 ea. machine.	6 strands, No. 9 ga. wire. Attach to spokes of wheel and pass through stake pockets. Twist taut.
E	2 ea. machine.	Blocks, per Pattern 3. Locate on each side of rear of machine, as shown. Nail each to floor with four 40-D nails.
F	1 ea. machine.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
G	1 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame and pass underneath Item "F". Twist taut.
H	1 side by side machines. (Not shown)	6 strands No. 9 ga. wire. Attach to frames of machines. Twist taut.
J	2 ea. machine. (Not shown)	Support, per Pattern 12. Locate under each end of axle and nail each to floor with eight 30-D nails. Not required when Items "B" and "C" are used.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

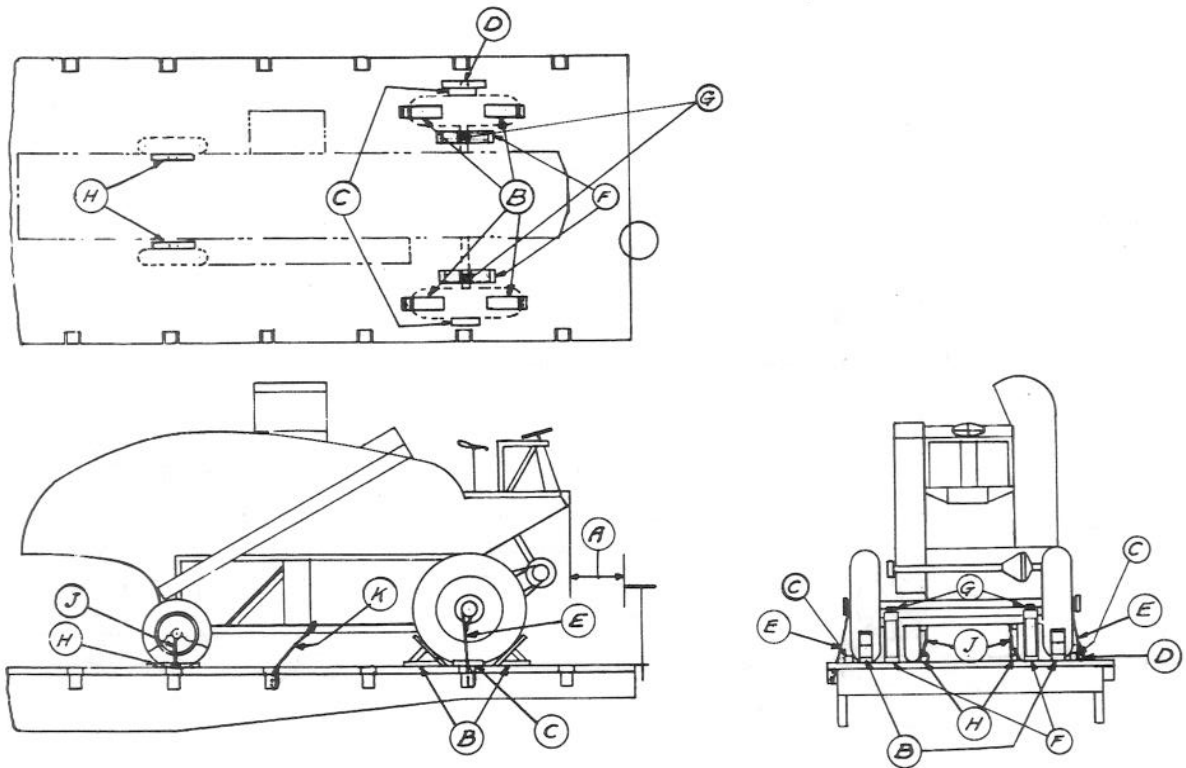
## HARVESTER-THRESHERS (COMBINES), 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2 ea. wheel.	Blocks, per Patterns 18, 21 or 26. Locate in front and back of wheel. Nail each to floor with four 40-D, or five 30-D, nails.
C	1 ea. machine.	Block, per Pattern 3. Locate against outside of wheel. Nail to floor with four 40-D nails.
D	1 ea. machine.	6 strands, No. 9 ga. wire. Pass through spokes of wheel or around axle and through stake pocket. Twist taut.
E	1 ea. machine.	Block, per Pattern 5, with wedge filler block nailed on top with two 20-D nails. Locate under frame of machine, as shown. Nail to floor with six 40-D nails.
F	1 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame of machine and pass underneath Item "E". Twist taut.
G	1 ea. machine.	Block, 2 in. x 4 in. x 13½ in. Locate under axle, as shown, and nail to floor with two 30-D nails.
H	1 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over axle and nail to each side of Item "G" with two 16-D nails.
J	1 ea. two machines.	Block, per Pattern 22. Locate as shown between axles of adjacent machines.
K	2 ea. two machines.	4 strands, No. 9 ga. wire. Pass one around axles and Item "J" and one around axles, as shown. Twist taut.
L	1 ea. machine.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
M	1 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame of machine and pass underneath Item "L". Twist taut.
N	2 ea. machine.	Blocks, per Pattern 4. Locate, as shown, against each side of machine. Nail each to floor with four 30-D nails.
O	1 ea. machine.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
P	2 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame of machine and pass through stake pocket, or underneath Item "O". Twist taut.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

HARVESTER—THRESHERS (COMBINES), OVER 4,000 LBS. TO 7,500 LBS., INCLUSIVE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 11, 18, 24 or 30. Locate in front and back of each front wheel. Nail each to floor with five 30-D nails.
C	2 ea. machine.	Blocks, per Patterns 3 or 13. Locate both against either inside or outside of front wheels. Nail each to floor with four 40-D nails.
D	As required.	Blocks, per Pattern 5. Locate against Items "C", as shown. Nail each to floor with six 40-D nails. Not required where Items "E" are attached to stake pockets.
E	2 ea. machine.	6 strands, No. 9 ga. wire. Pass around hub cap of axle, or through holes in plate of wheels, and through stake pockets, or underneath Items "D". Twist taut.
F	2 ea. machine.	Support, per Pattern 12. Locate under axle, as shown. Nail each to floor with eight 30-D nails.
G	1 ea. Item "F".	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over axle, as shown. Nail each to Item "F" with four 16-D nails.
H	2 ea. machine.	Blocks, per Pattern 5. Locate both against either inside or outside of each rear wheel. Nail each to floor with six 40-D nails. Substitute, if desired, blocks, Pattern 2, at each location nailed to floor with five 30-D nails.
J	2 ea. machine.	6 strands, No. 9 ga. wire. Pass around axle and underneath Items "H", Pattern 5. Twist taut. Substitute, if desired, where Items "H", Pattern 2, are used, 1 in. No. 14 B. W. ga. hot rolled steel, length to suit, passed over frame and secured to floor with four 20-D nails.
K	2 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame of machine, or through spokes or plate of wheel, and around axle, and pass through stake pockets, or underneath Items "D". Twist taut.

Where Item "K" cannot be applied, use two additional Items "E".

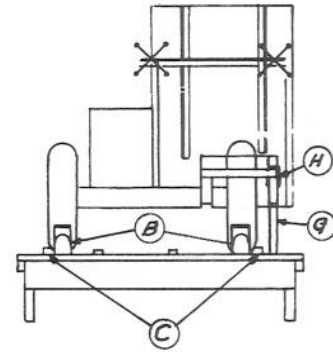
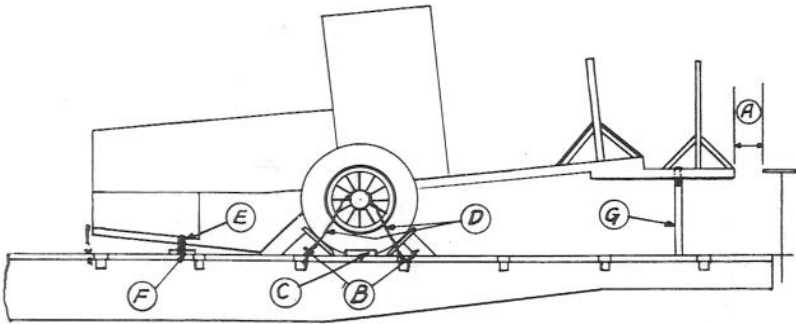
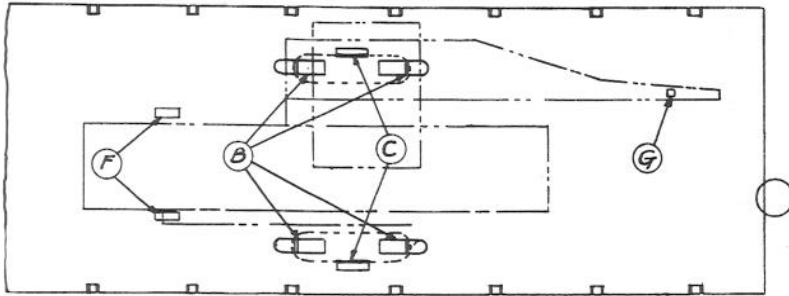
Items "F" and "G" required only where width of units above tires equals or exceeds width of car floor.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

## Sec. 3—Fig. 56

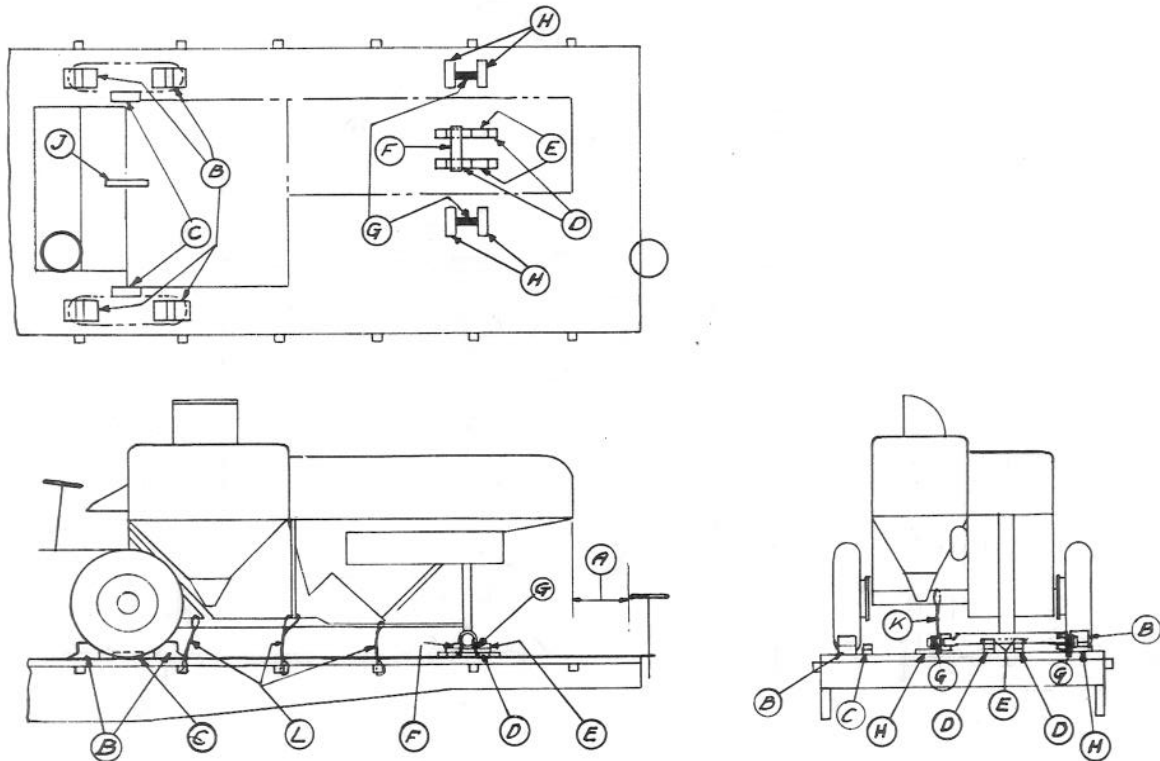
## HARVESTER—THRESHERS (COMBINES), OVER 4,000 LBS. TO 7,500 LBS., INCLUSIVE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 11, 14, 18, 21, 24 or 30. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. wheel.	6 strands, No. 9 ga. wire. Pass through spokes or around axle and through stake pockets. Twist taut.
E	2 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass around frame of machine, as shown, and underneath Item "F". Nail each to floor with two 20-D nails.
F	1 ea. Item "E"	Block, per Pattern 7. Locate on top of Item "E", as shown. Nail to floor with four 30-D nails.
G	1 ea. machine.	4 in. x 4 in., length to suit. Locate, as shown, under frame of machine. Nail to floor with two 40-D nails.
H	1 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass around frame of machine, as shown, and nail to Item "G" with four 16-D nails.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

HARVESTER—THRESHERS (COMBINES), STEERING WHEELS DETACHED, OVER 4,000 LBS. TO 7,500 LBS.,  
INCLUSIVE—FLAT CARS

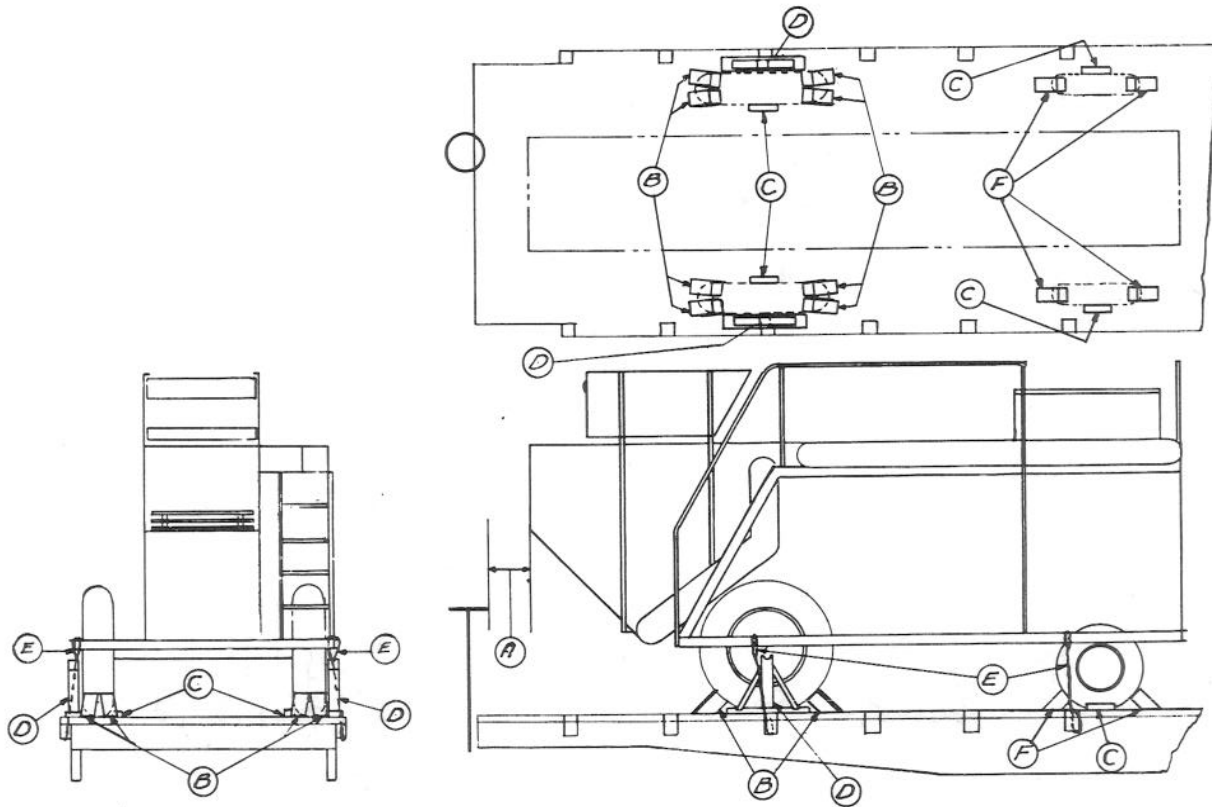


Item	No. of Pcs.	Description
A		Brake wheel clearance See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 11, 14, 18, 21, 24 or 30. Locate in front and back of each front wheel and nail each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine.	Each to consist of two pieces 2 in. x 4 in. x 12 in. Locate against inside of front wheels. Nail lower piece to floor with four 30-D nails and top piece to one below in like manner.
D	2 ea. machine.	Each to consist of one piece 2 in. x 4 in. x 18 in., and one piece 2 in. x 4 in. x 27 in. Locate under frame of machine, as shown. Nail 27 in. piece to floor with six 30-D nails and 18 in. piece to one below in like manner.
E	1 ea. Item "D".	2 in. x 4 in. x 7 in. Locate on top of Item "D" against frame of machine, as shown. Nail to Item "D" with three 30-D nails.
F	1 ea. machine.	2 in. x 4 in. x 19 in. Locate on top of Items "D", as shown, and nail to Items "D" with six 30-D nails.
G	2 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over frame of machine, as shown, and underneath Items "H". Nail each to floor with four 20-D nails.
H	2 ea. Item "G".	2 in. x 4 in. x 12 in. Locate two over each Item "G", as shown, and nail each to floor with four 30-D nails.
J	1 ea. machine.	Blocks, per Pattern 5. Locate under front axle and nail to floor with six 40-D nails.
K	1 ea. Item "J"	4 strands, No. 9 ga. wire. Pass around front axle and underneath Item "J". Twist taut.
L	6 ea. machine.	4 strands, No. 9 ga. wire. Attach to frame of machine, as shown, and pass through stake pockets. Twist taut.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

## Sec. 3—Fig. 58

## HARVESTER—THRESHERS (COMBINES), OVER 7,500 LBS.—FLAT CARS



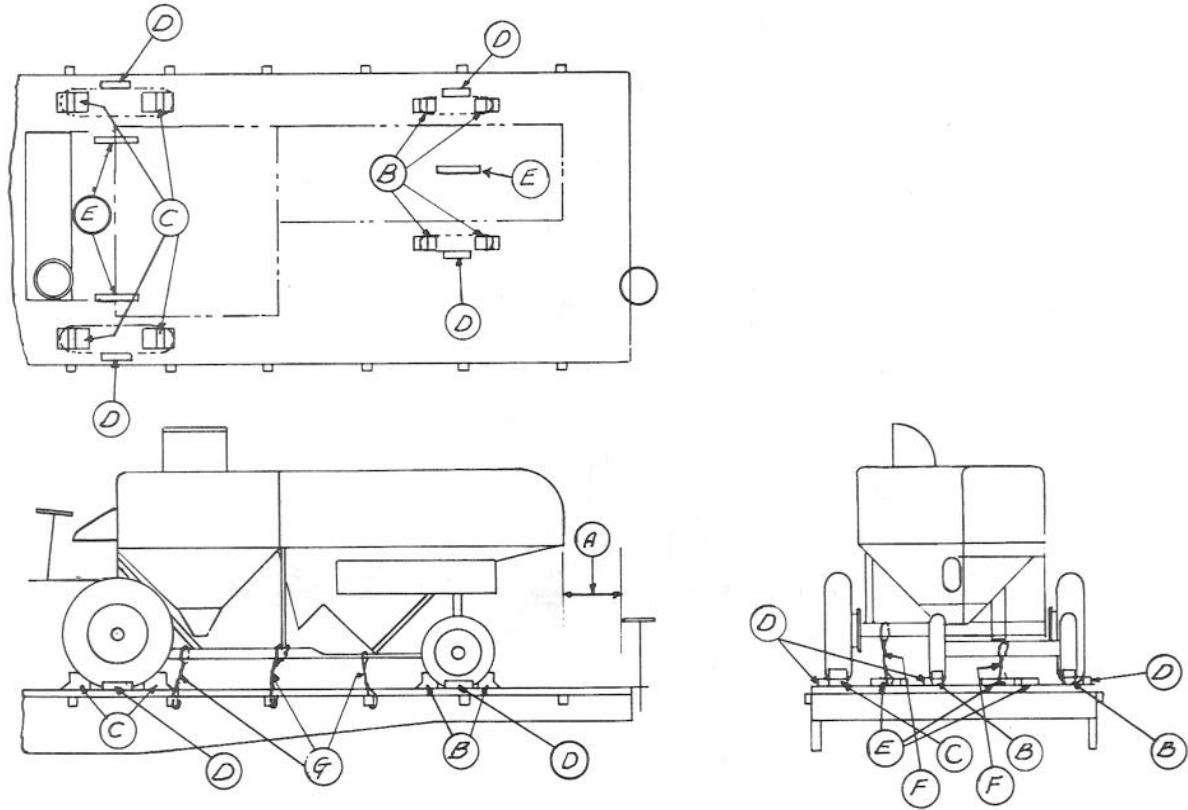
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8 ea. machine.	Blocks, per Pattern 11. Locate two in front and back of each rear wheel. Substitute, if desired, at each location one block, Patterns 9, 14, 18, 21, 24 or 30. Nail each to floor with four 40-D, or five 30-D, nails.
C	4 ea. machine.	Blocks, per Pattern 3. Locate against either inside or outside of wheels on four-wheel machines and on each side of front wheels on three-wheel machines. Nail each to floor with four 40-D nails.
D	2 ea. machine.	Support, per Pattern 12. Locate under rear axle, as shown. Nail each to floor with eight 30-D nails.
E	4 ea. machine.	6 strands, No. 9 ga. wire. Pass through spokes of wheel or around axle, or attach to frame of machine, and through stake pockets. Twist taut.
F	As required.	Blocks, per Pattern 13. Locate in front and back of each front wheel. Nail each to floor with five 40-D nails.

Items "D" required where width of units above tires approximates width of car floor, except where units are equipped with steel tires.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

HARVESTER—THRESHERS (COMBINES), OVER 7,500 LBS.—FLAT CARS

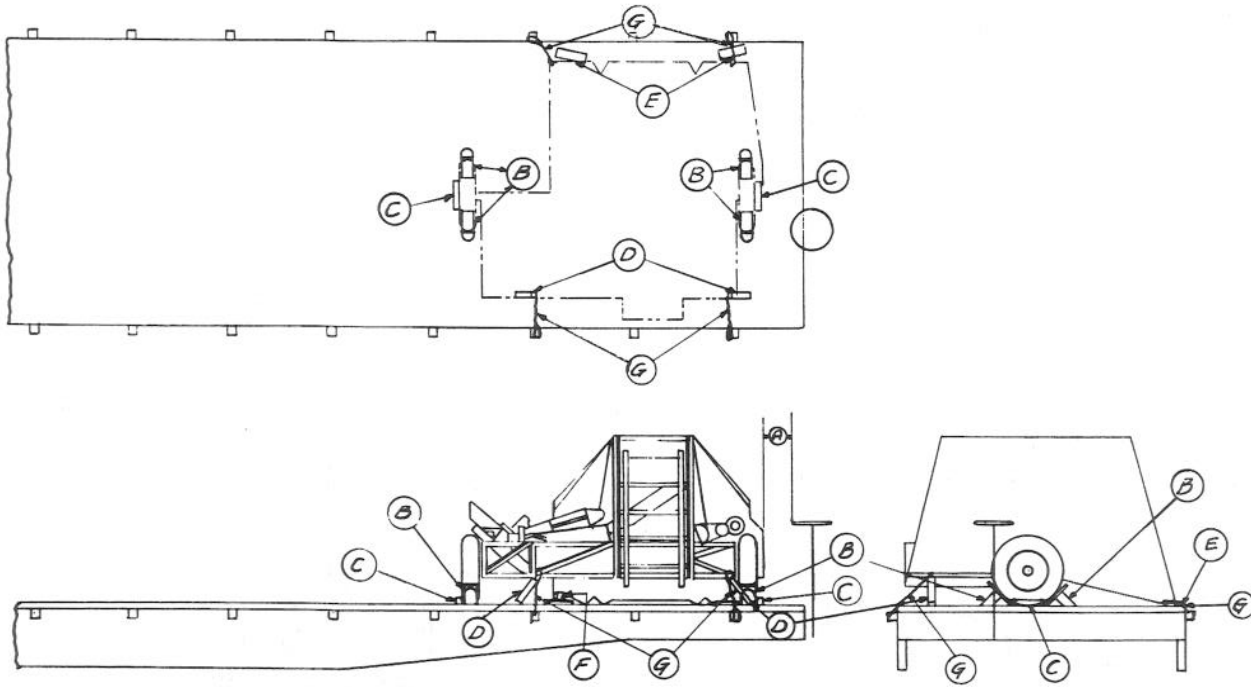


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 10, 14, 18, 21, 24 or 30. Locate in front and back of each rear wheel and nail each to floor with four 40-D, or five 30-D, nails.
C	4 ea. machine.	Blocks, per Patterns 9, 14, 18, 21, or 24. Locate in front and back of each front wheel and nail each to floor with four 40-D, or five 30-D, nails.
D	4 ea. machine.	Blocks, per Pattern 3. Locate all against either inside or outside of wheels. Nail each to floor with four 40-D nails.
E	3 ea. machine.	Blocks, per Pattern 5. Locate one under rear axle and two under front axle, and nail each to floor with six 40-D nails.
F	1 ea. Item "E".	4 strands, No. 9 ga. wire. Pass around axle and underneath Item "E". Twist taut.
G	6 ea. machine.	4 strands, No. 9 ga. wire. Attach to frame of machine, as shown, and pass through stake pockets. Substitute, if desired, two, 6 strands No. 9 ga. wires, at each front wheel passed through spokes or around axle and through stake pockets. Twist taut.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

## Sec. 3—Fig. 60

## CORN PICKER, PULL-TYPE, CROSSWISE, 4,000 LBS. OR LESS—FLAT CARS

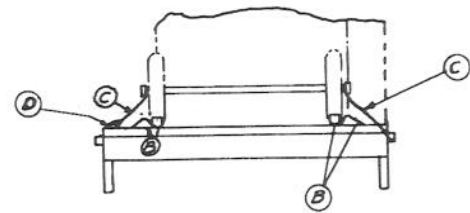
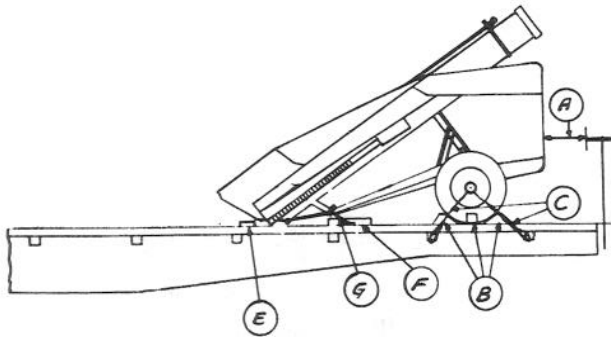
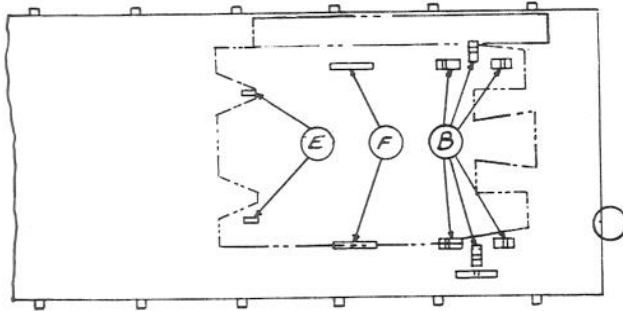


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 14, 18, 21, 24 or 26. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. machine.	Brace, 2 in. x 4 in., length to suit. Locate as shown and toe-nail each to floor with two 30-D nails.
E	2 ea. machine.	Blocks, per Pattern 4. Locate as shown and nail each to floor with four 30-D nails.
F	1 ea. Item "E".	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over and around Item "E", as shown, and nail to floor with four 20-D nails.
G	4 ea. machine.	6 strands, No. 9 ga. wire. Attach two to frame of machine on each side, as shown, and through stake pockets. Twist taut.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

## Sec. 3—Fig. 61

## CORN PICKER, PULL-TYPE, LENGTHWISE, 4,000 LBS. OR LESS—FLAT CARS

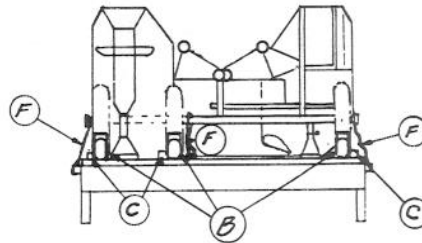
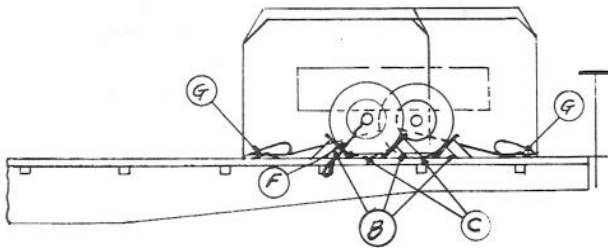
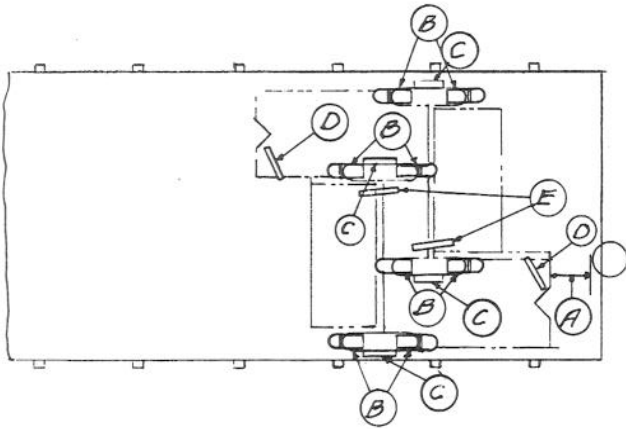


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	6 ea. machine.	Blocks, per Patterns 1, 2 or 26. Locate in front and back and against either outside or inside of both wheels. Nail each to floor with five 30-D nails.
C	2 ea. wheel.	4 strands, No. 9 ga. wire. Pass through holes in plate of wheels, or through spokes or around axle and through stake pockets, or underneath Items "D". Twist taut.
D	As required.	Block, per Pattern 5. Locate, as shown. Nail to floor with six 40-D nails. Not required when Items "C" are attached to stake pockets.
E	2 ea. machine.	Blocks, per Patterns 6 or 7. Locate against end of machine as shown. Nail each to floor with three 20-D nails.
F	As required.	Blocks, per Pattern 5. Locate as shown and nail each to floor with six 40-D nails. Not required when Items "G" are attached to stake pockets, or when band Items "G" are used.
G	2 ea. machine.	4 strands, No. 9 ga. wire. Pass around frame of machine and through stake pockets, or underneath Items "F". Twist taut. Substitute, if desired, one 1 in. No. 14 B. W. ga. hot rolled steel, length to suit, passed over gather points and secured to floor with four 20-D nails.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

## Sec. 3—Fig. 62

## CORN PICKER, PULL-TYPE, SIDE BY SIDE, 4,000 LBS. OR LESS—FLAT CARS

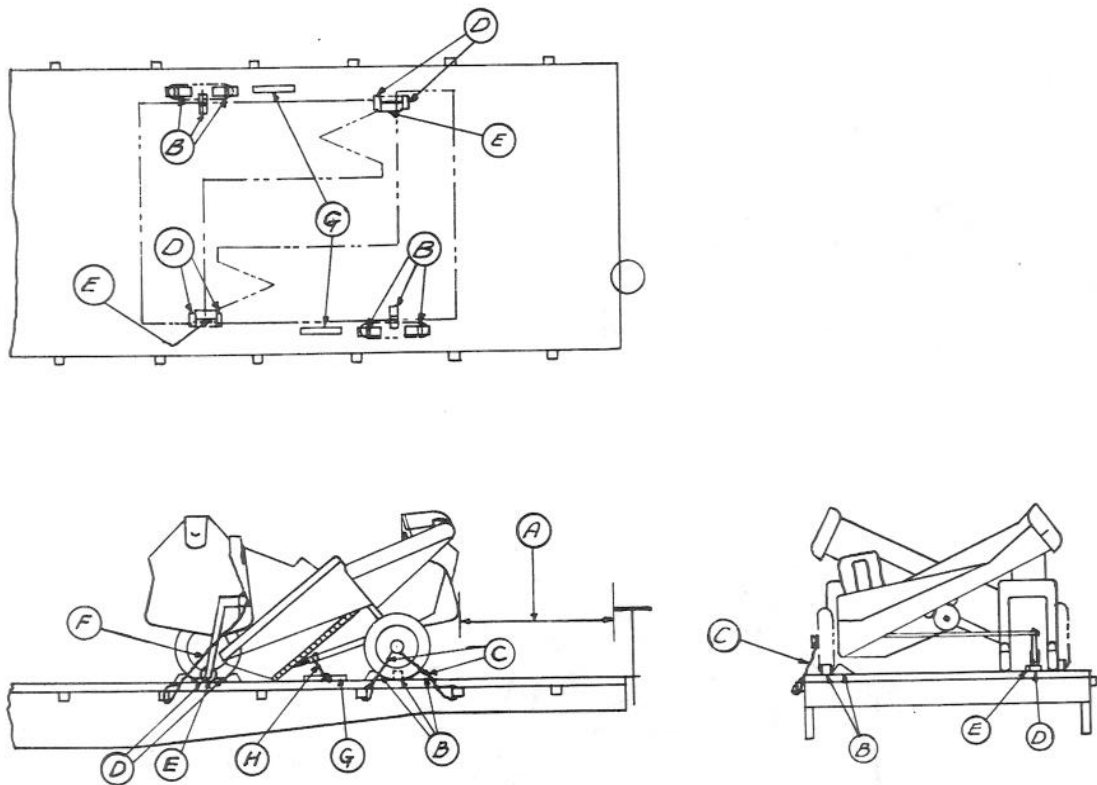


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 14, 18, 21, 24 or 26. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D, nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	1 ea. machine.	Block, per Pattern 4. Locate as shown and nail to floor with two 30-D nails.
E	1 ea. machine.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
F	2 ea. machine.	6 strands, No. 9 ga. wire. Pass one through spokes of wheel or around axle and through stake pocket, and one around axle and underneath Item "F". Twist taut.
G	1 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, with anchor plates, Pattern 9. Locate over frame of machine, as shown, and secure each plate to floor with eight 20-D cement-coated nails.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

## Sec. 3—Fig. 63

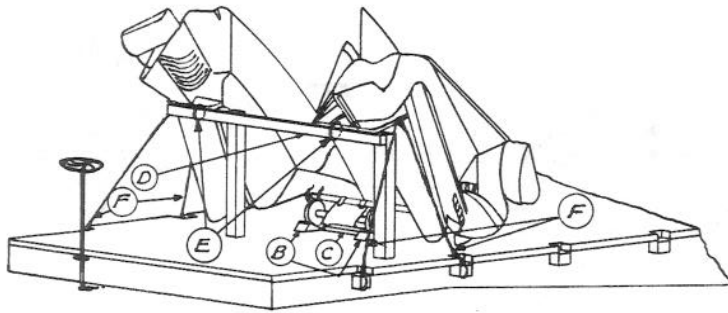
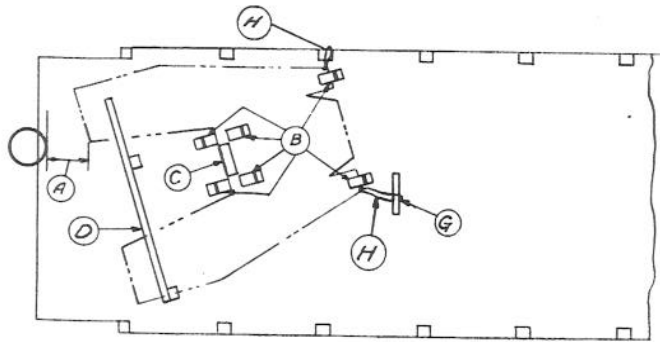
## CORN PICKER, SEMI-MOUNTED, SIDE BY SIDE, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	3 ea. machine.	Blocks, per Pattern 1 or 26. Locate in front and back and against either inside or outside of pneumatic tire wheel, as shown. Nail each to floor with five 30-D nails.
C	2 ea. pneumatic tire wheel.	4 strands No. 9 ga. wire. Pass through spokes or around axle of wheel and through stake pockets. Twist taut.
D	2 ea. machine.	Blocks, per Pattern 6. Locate one in front and back of steel wheel, as shown. Nail each to floor with two 20-D nails.
E	1 ea. machine.	Block, per Pattern 7. Locate against either inside or outside of steel wheel, corresponding to opposite Item "B", as shown. Nail to floor with three 20-D nails.
F	1 ea. machine.	6 strands, No. 9 ga. wire. Pass around frame of machine and through stake pocket. Twist taut.
G	As required.	Blocks, per Pattern 5. Locate as shown and nail to floor with six 40-D nails. Not required when Items "H" are attached to stake pockets.
H	1 ea. machine.	4 strands, No. 9 ga. wire. Pass around frame of machine and through stake pocket, or underneath Item "G". Twist taut.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

## Sec. 3—Fig. 64

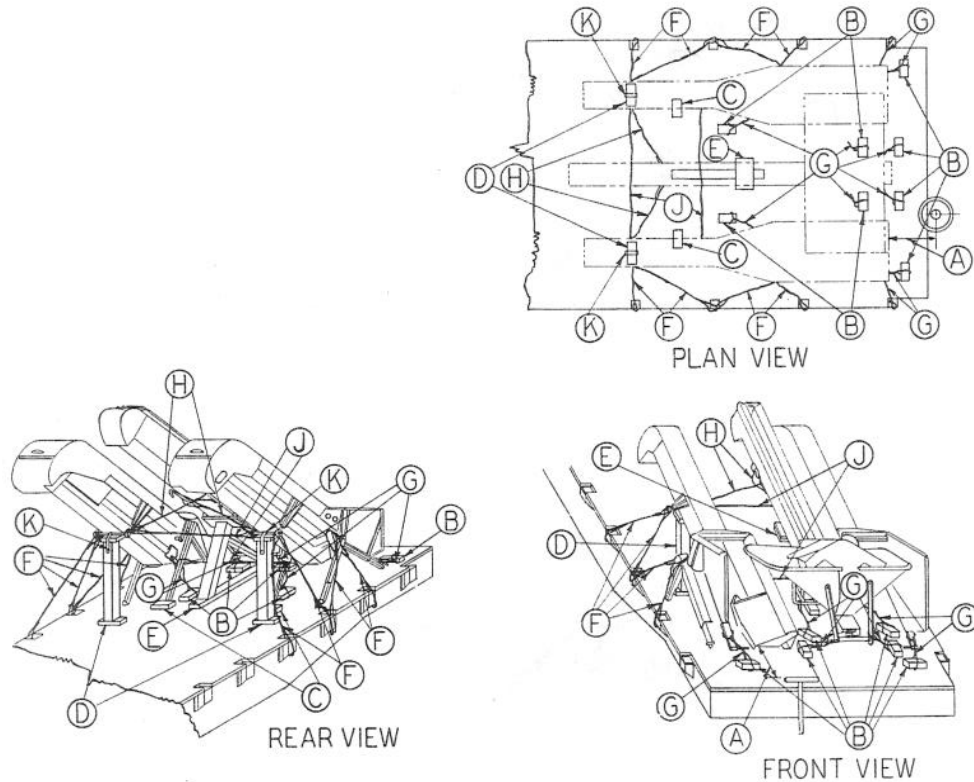
CORN PICKER, MOUNTED TYPE, WITH OR WITHOUT TRANSPORT WHEELS, K. D., 4,000 LBS. OR LESS  
—FLAT CARS

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	6 ea. machine.	Blocks, per Pattern 1 or 26. Locate in front and back of each wheel, and one at each side of front of machine, as shown. Nail each to floor with five 30-D nails.
C	1 ea. machine.	Blocks, 2 in. x 4 in., length to suit. Locate as shown and nail to floor with six 20-D nails.
D	1 ea. machine.	Rear support, 4 in. x 4 in., uprights and cross piece, length and height to suit. Locate as shown and nail to floor with 30-D nails.
E	2 ea. Item "D".	2 strands, No. 9 ga. wire. Pass around Item "D" and through frame of machine. Twist taut.
F	4 ea. machine.	4 strands, No. 9 ga. wire. Pass around frame of machine and through stake pockets. Twist taut.
G	1 ea. machine.	Blocks, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
H	2 ea. machine.	4 strands, No. 9 ga. wire. Pass around frame of machine and through stake pockets, or underneath Item "G". Twist taut.

See General Rules 4, 5, 9, 14 and 15 for further details.

## Sec. 3—Fig. 65

## CORN PICKERS, SEMI-MOUNTED WITH ELEVATORS — FLAT CARS

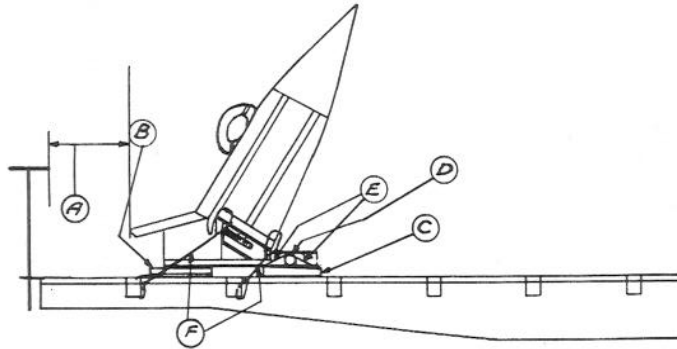
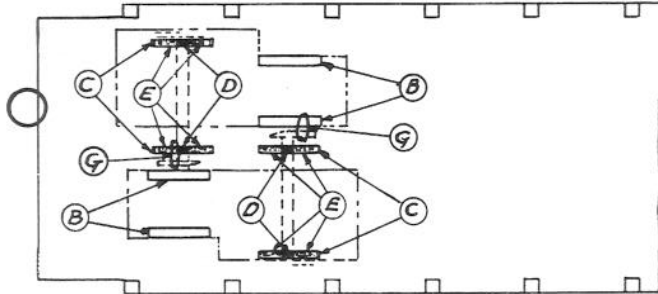


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8 ea. machine.	Blocks, pattern 7. Locate, as shown, one in front of each picking unit, two between picking units and each side of elevator, and one on each side at rear of unit. Secure each to floor with four 20-D nails.
C	2 ea. machine.	Blocks, pattern 7. Locate, as shown, at rear against inside legs of unit. Secure each to floor with four 20-D nails.
D	2 ea. machine.	Support, pattern 28. Locate one on each side under rear of unit as shown. Secure each to floor with four 20-D nails.
E	1 ea. machine.	Support, pattern 29. Locate at rear under elevator as shown. Secure to floor with five 20-D nails.
F	8 ea. machine.	4 strands, No. 9 gage wire. Locate four as shown on each side of unit attached to frame and passed through stake pockets.
G	8 ea. machine.	4 strands, No. 9 gage wire. Attach as shown to frame of machine and pass underneath Items "B".
H	2 ea. machine.	2 strands, No. 9 gage wire. Attach one to each side of elevator as shown and pass through frame of picker units.
J	2 ea. machine.	4 strands, No. 9 gage wire. Locate, as shown, attached to frames of picking units at rear.
K	1 ea. Item "D".	1 in. No. 14 BW gage hot rolled steel, length to suit. Pass one through frame of unit at each side as shown and secure each to Item "D" with two 20-D nails.

See General Rules 4, 5, 9, 14 and 15 for further details.

## Sec. 3—Fig. 66

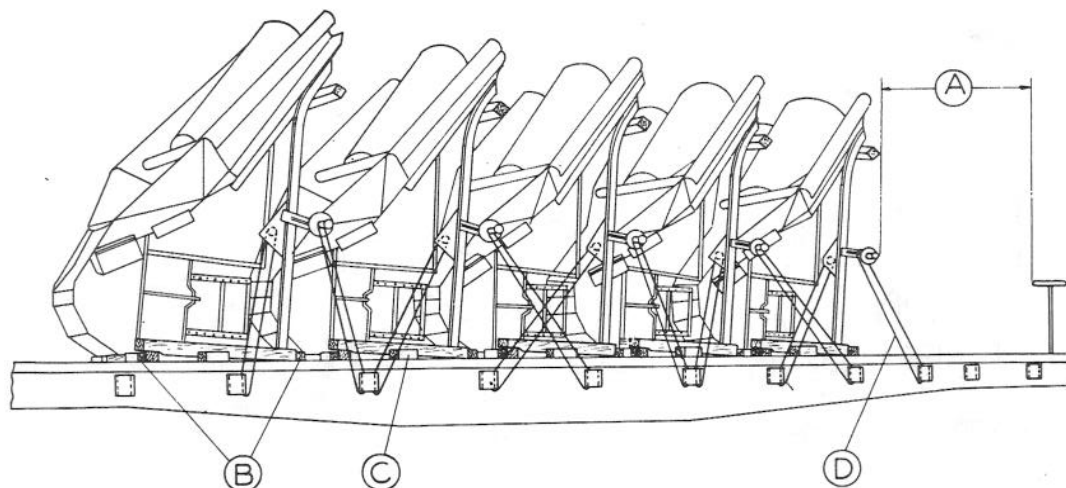
## CORN PICKERS, WITH WHEELS DISMOUNTED, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2 ea. machine.	4 in. wide, 26 in. long, height to suit. Locate, as shown, and secure each to machine with two $\frac{3}{8}$ dia. bolts and to floor with two 40-D nails.
C	2 ea. machine.	Blocks, 3 in. x 4 in. x 24 in. Locate under axle, as shown, and nail each to floor with three 40-D nails.
D	1 ea. machine.	1 in. No. 14 B. W. gage hot rolled steel, length to suit. Locate over axle, as shown, and nail to Item "C" with two 20-D nails.
E	4 ea. machine.	Blocks, per Pattern 25. Locate on top of Items "C" against each side of axle. Nail each to Item "C" with three 40-D nails.
F	2 ea. machine.	4 strands No. 9 gage wire. Attach to frame of machine and through stake pockets. Twist taut.
G	2 ea. side by side machines.	4 strands No. 9 gage wire. Attach to frames of machines. Twist taut.

See General Rules 4, 5, 9, 14 and 15 for further details.

## CORN PICKERS, WITH WHEELS DISMOUNTED, 4,000 LBS. OR LESS—FLAT CARS

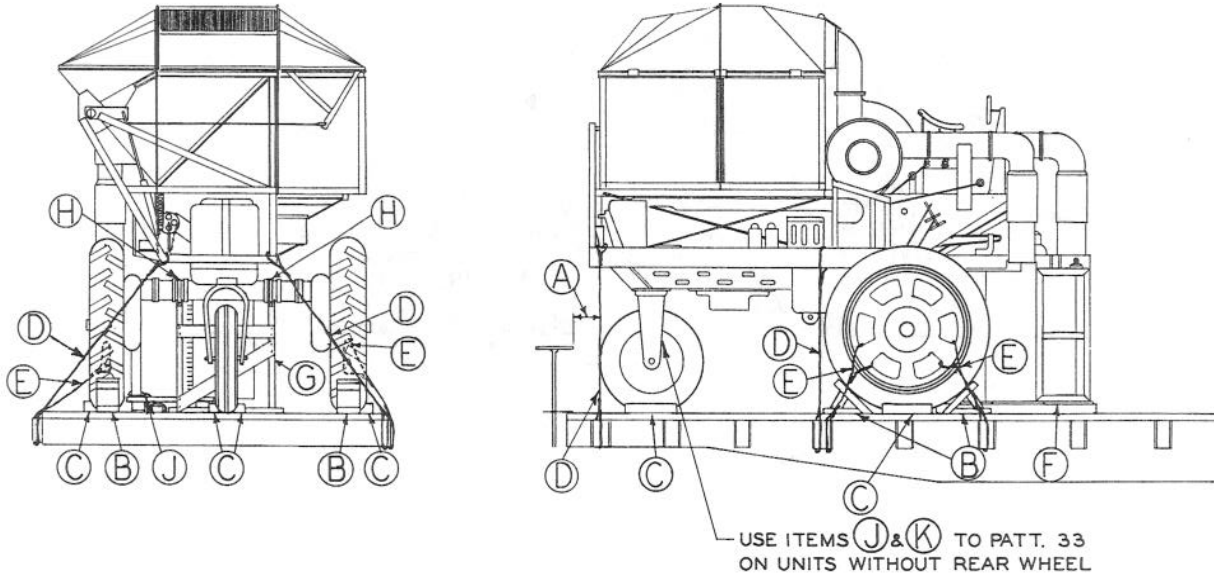


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2 ea. end of base.	2 in. x 4 in. x 10 in., near each corner of base. Nail each to floor with three 30-D nails.
C	1 ea. side of base.	2 in. x 4 in. x 10 in., at center of base. Nail to floor with three 30-D nails.
D	4 ea. machine.	1¼ in. x .035 in. bands, secured to machine and stake pockets as shown. If desired, substitute each band with a ½ in. dia. rod, or ½ in. dia. cable. Rods must pass through a ½ in. x 4 in. x 10 in. plate underneath each stake pocket. Cable must have double turns at points of attachments with thimbles to protect sharp turns, held in position by a 2-bolt cable clip.

See General Rules 4, 5, 9, 14 and 15 for further details.

## Sec. 3—Fig. 68

## COTTON PICKERS, LENGTHWISE OR DIAGONALLY—FLAT CARS

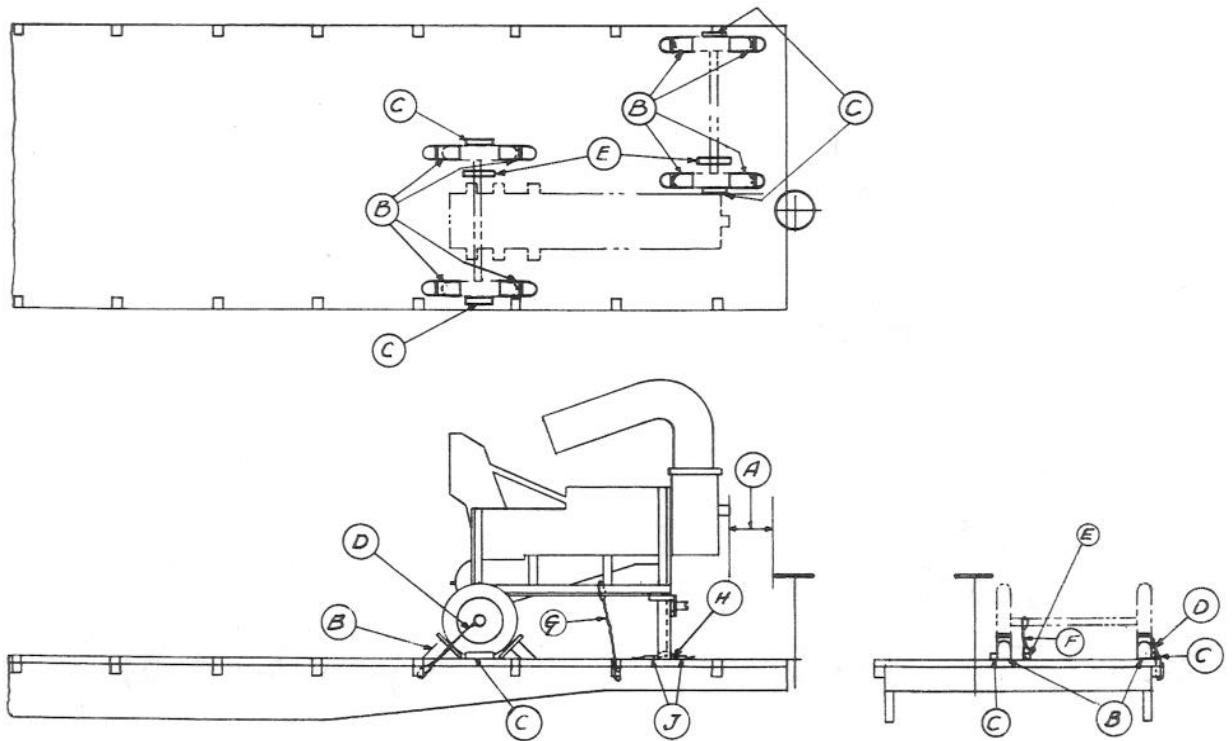


Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, patterns 26 or 36. Locate in front and back of each front wheel. Secure each block pattern 26 to floor with four 40-D nails and each block pattern with five 40-D nails.
C	4 ea. machine.	Blocks, pattern 3. Locate two, both against either inside or outside of front wheels, and two against outside of rear wheel. Secure each to floor with four 40-D nails.
D	4 ea. machine.	Six strands, No. 9 gage wire. Locate one at rear and one near center of frame on each side. Attach to frame and pass through stake pockets.
E	4 ea. machine.	Six strands, No. 9 gage wire. Eight strands required on units 10,000 lbs. and over. Apply two to each front wheel. Pass through wheel or metal strap bolted to wheel and through stake pockets.
F	2 ea. picking unit.	Filling pieces, length, width and thickness to suit. Locate as shown, under each picking unit and secure each to floor with five 20-D nails.
G	1 ea. machine.	Support, pattern 27. Locate under front axle, as shown, and nail to floor with eight 20-D nails.
H	2 ea. machine.	1 in. No. 14 BW gage hot rolled steel, length to suit. Pass one over axle at each end of Item "G" and secure each to Item "G" with two 20-D nails.
J	1 ea. machine.	Support, pattern 27. Locate under frame of unit at rear, and secure to floor with four 20-D nails. Use optional on units equipped with rear wheel.
K	2 ea. Item "J".	One strand, No. 9 gage wire. Pass around rear support (pattern 33) and frame of unit. Required only when Item "J" is used.

If so equipped, hand brakes must be tightly set and levers wired.

See General Rules 4, 5, 7, 9, 14, 15, 19-A and 19-B for further details.

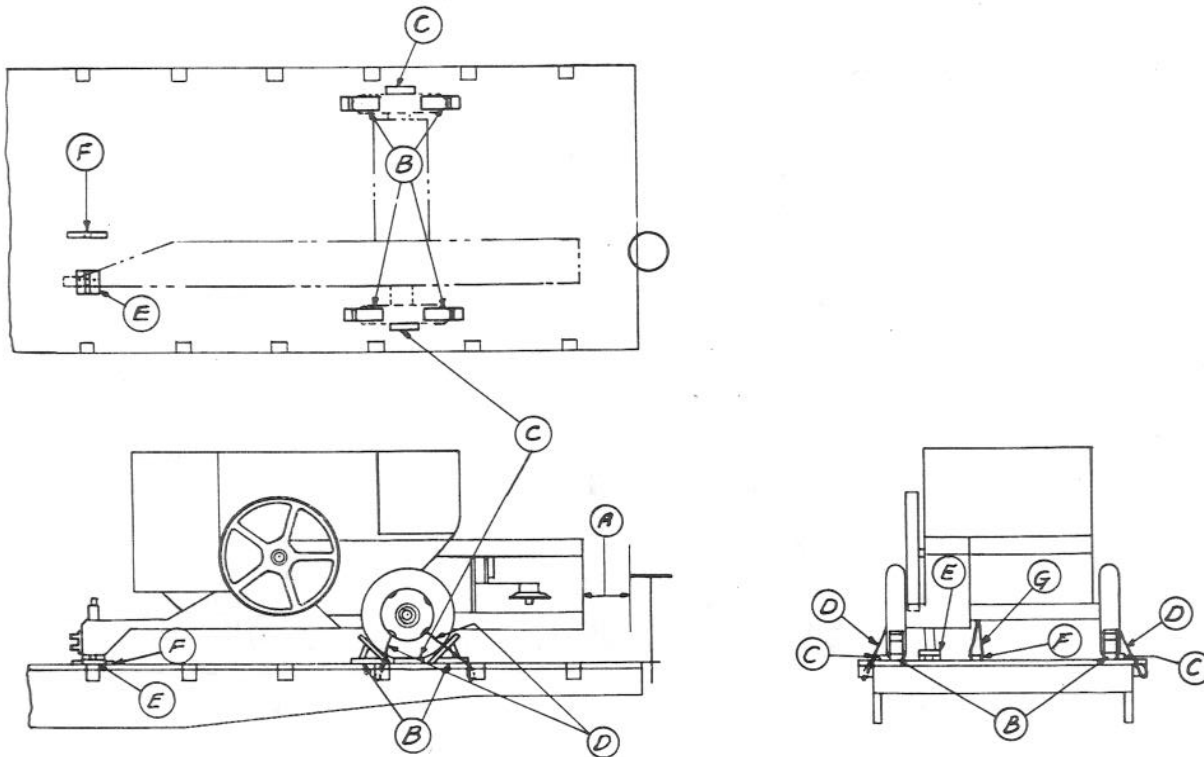
CORN SHELLERS, LENGTHWISE, SIDE BY SIDE, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Patterns 9, 14, 18, 21, 24 or 26. Locate in front and back of each wheel. Nail each to floor with four 40-D, or five 30-D nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. machine.	6 strands, No. 9 ga. wire. Pass through spokes of wheel or around axle and through stake pocket. Twist taut.
E	As required.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
F	1 ea. machine.	6 strands, No. 9 ga. wire. Pass around axle and underneath Item "D". Twist taut.
G	2 ea. machine.	6 strands, No. 9 ga. wire. Attach to frame and pass through stake pocket or underneath Item "E". Twist taut.
H	1 ea. machine.	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over frame of machine, as shown, and secure to floor with four 20-D nails.
J	2 ea. Item "H".	Blocks, per Pattern 4. Locate, as shown, and secure each to floor with four 20-D nails.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

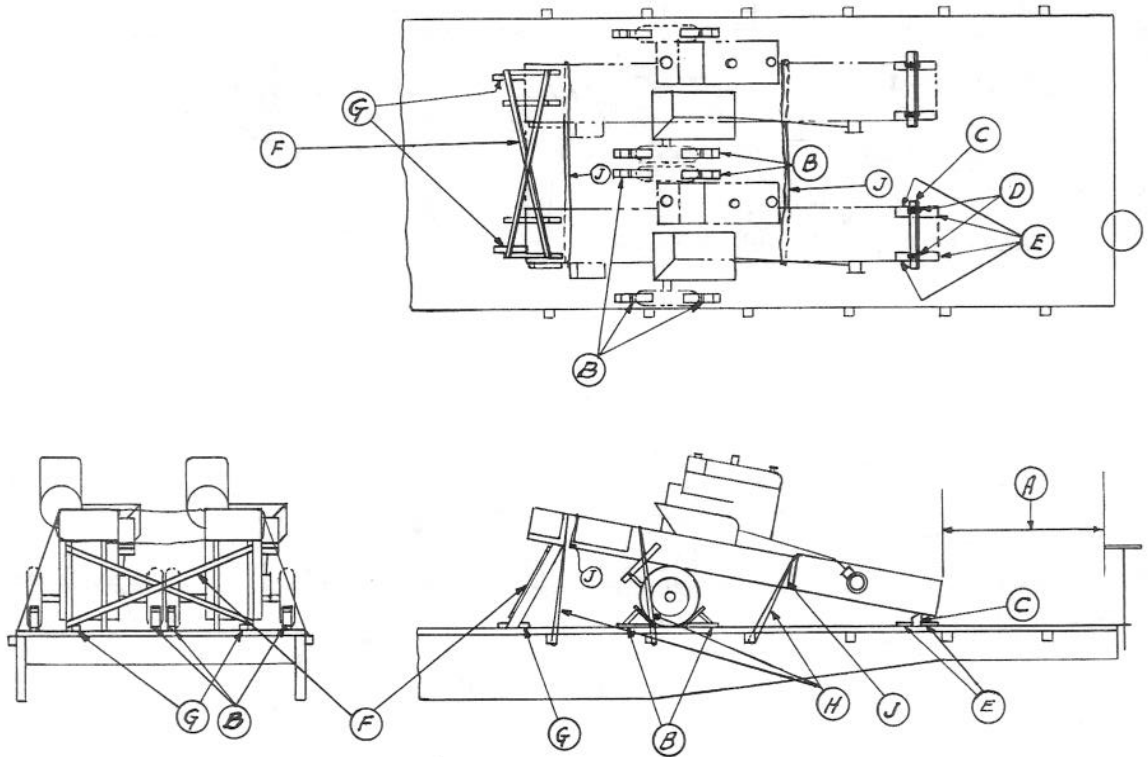
## HAY BALERS, HAY CHOPPERS, LOADED LENGTHWISE, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per patterns 14, 18, 21, 24 or 26. Locate front and back of each wheel. Nail each to floor with five 30-D nails. When block, pattern 22 is used, the one-inch facing piece is not required.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheels. Nail each to floor with four 40-D nails.
D	2 ea. wheel.	6 strands, No. 9 gage wire. Pass through holes in plate of wheels or around axle and through stake pockets. Twist taut.
E	4 ea. machine.	Blocks, per Pattern 7. Locate under front end of machine, as shown, alternated in tiers of two, lengthwise and crosswise. Nail lower pieces to floor with four 30-D nails in each, and top pieces to those below with four 30-D nails in each. Substitute, if desired, two blocks, Pattern 2, nailed to floor with five 30-D nails in each.
F	As required.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails. Not required when Items "G" are attached to stake pockets.
G	2 ea. machine.	6 strands, No. 9 ga. wire. Pass around frame of machine and through stake pocket, or underneath Item "F". Twist taut.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

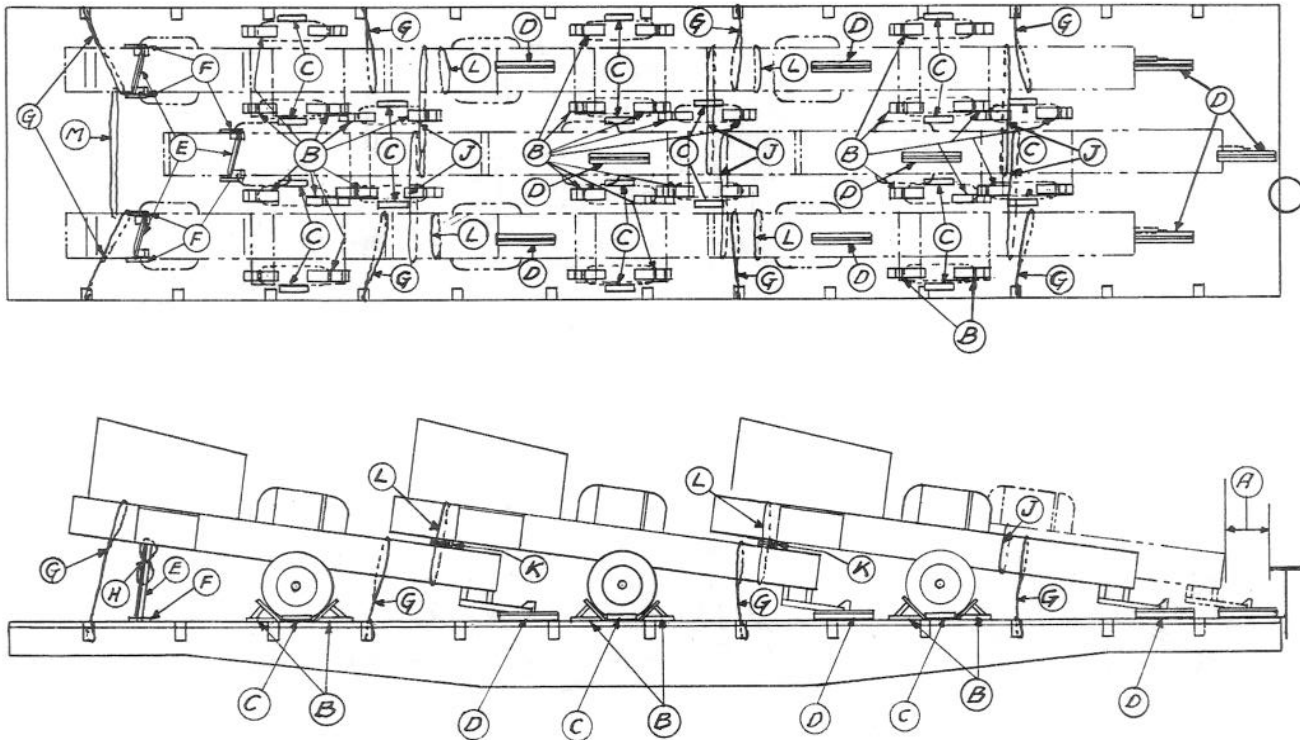
HAY BALERS, LENGTHWISE OR DIAGONALLY, SIDE BY SIDE, OVER 4,000 LBS. TO 7,000 LBS. INCLUSIVE—  
FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per patterns 14, 18, 21, 24 or 26. Locate front and back of each wheel. Nail each to floor with five 30-D nails. When block, pattern 22 is used, the one-inch facing piece is not required.
C	1 ea. machine.	Block, per Pattern 20. Locate, as shown, and secure to front end of machine with two 1/2 in. dia. bolts and nail to floor with six 60-D nails.
D	2 ea. Item "C".	1 in. No. 14 B. W. ga. hot rolled steel, length to suit. Pass over Item "C", as shown, and underneath Items "E". Nail to floor with two 20-D nails in each.
E	4 ea. Item "C".	2 in. x 4 in. x 18 in. Locate two against each side of Item "C" on top of Items "D" and nail each to floor with six 30-D nails.
F	1 ea. two machines. As required.	Support, per Pattern 19. Locate, as shown, and nail to floor with two 30-D nails and to each Item "G" with two 20-D nails.
G	2 ea. Item "F".	Blocks, per Pattern 4. Locate, as shown, and nail each to floor with four 30-D nails. Not required when Items "F" are nailed to Items "E".
H	3 ea. machine.	6 strands, No. 9 gage wire. Pass around frame of machine, as shown, and through stake pockets. Twist taut. Substitute, if desired, at each location, two strands, or one wrapping, No. 8 gage high tension wire.
J	2 ea. two machines.	6 strands, No. 9 gage wire. Pass around frames of machines, as shown. Twist taut. Substitute, if desired, at each location, two strands, or one wrapping, No. 8 gage high tension wire.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

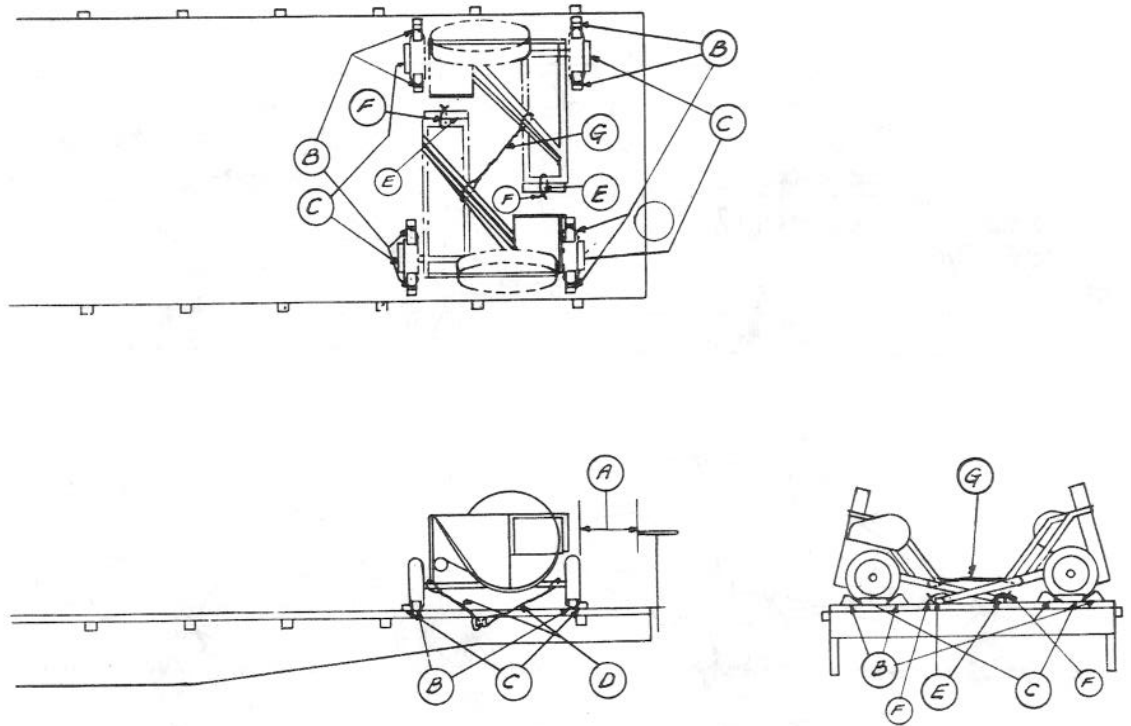
## HAY BALERS, LENGTHWISE, THREE ROWS SIDE BY SIDE, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per patterns 14, 18, 21, 24 or 26. Locate front and back of each wheel. Nail each to floor with five 30-D nails. When block, pattern 21 is used, the one-inch facing piece is not required.
C	2 ea. machine.	Blocks, per Pattern 3. Locate against outside of each wheel. Nail each to floor with four 40-D nails.
D	1 ea. machine.	Blocks, per Pattern 15. Secure to draw bar with one $\frac{5}{8}$ in. dia. bolt and nail to floor with fifteen 60-D nails.
E	As required.	Supports, per Pattern 17. Locate as shown and nail each to floor with two 30-D nails, and to each Item "F" with two 20-D nails.
F	As required.	Blocks, per Pattern 4. Locate one against outside leg of each Item "E". Nail each to floor with four 30-D nails.
G	1 ea. outside machine. 2 ea. outside rear machines.	6 strands, No. 9 gage wire. Pass through stake pocket and around machine. Twist taut. Substitute, if desired, at each location, two strands, or one wrapping, No. 8 gage high tension wire.
H	1 ea. Item "E".	4 strands, No. 9 gage wire. Pass through machine and around cross bracing of Item "E". Twist taut. Substitute, if desired, two strands, or one wrapping, No. 8 gage high tension wire.
J	As required.	6 strands, No. 9 gage wire. Pass around frames of adjacent machines. Twist taut. Substitute, if desired, two strands, or one wrapping, No. 8 gage high tension wire.
K	As required.	Blocks, per Pattern 16. Locate between machines, as shown.
L	As required.	6 strands, No. 9 gage wire. Pass around machines and Item "K" as shown. Twist taut. Substitute, if desired, two strands, or one wrapping, No. 8 gage high tension wire.
M	1 ea. two rear machines.	6 strands, No. 9 gage wire. Pass around machines, as shown. Twist taut. Substitute, if desired, two strands, or one wrapping, No. 8 gage high tension wire.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

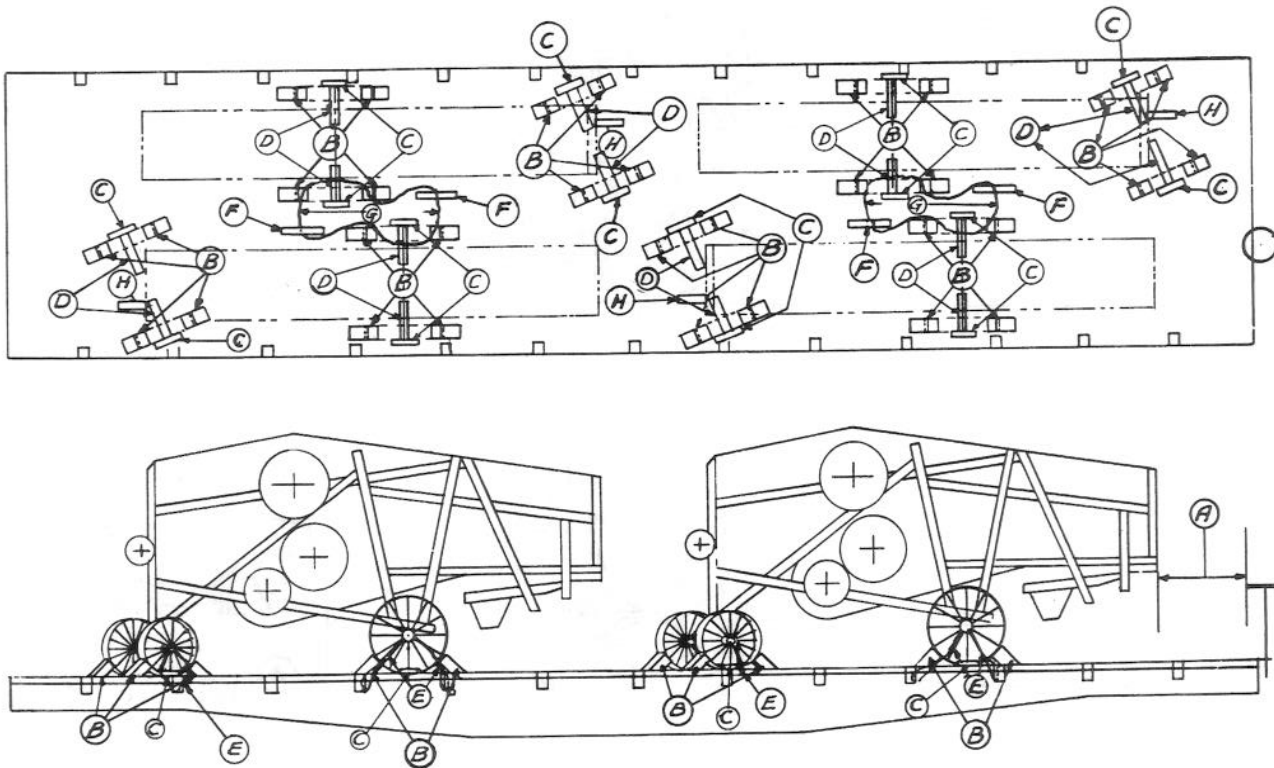
HAY CHOPPERS, POTATO PLANTERS, BEET HARVESTERS, CROSSWISE, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. machine.	Blocks, per Pattern 1 or 26. Locate in front and back of each wheel. Nail each to floor with five 30-D nails.
C	2 ea. machine.	Blocks, per Pattern 3. Locate both against either inside or outside of wheel. Nail each to floor with four 40-D nails.
D	2 ea. machine.	4 strands, No. 9 ga. wire. Pass around axle of machine and through stake pockets, as shown. Twist taut.
E	1 ea. machine.	Block, per Pattern 5. Locate as shown and nail to floor with six 40-D nails.
F	1 ea. Item "E".	4 strands, No. 9 ga. wire. Pass around frame of machine and underneath Item "E". Twist taut.
G	1 ea. 2 machines.	4 strands, No. 9 ga. wire. Pass around frames of adjacent machines, as shown. Twist taut.

See General Rules 4, 5, 9, 14, 15 and 19-B for further details.

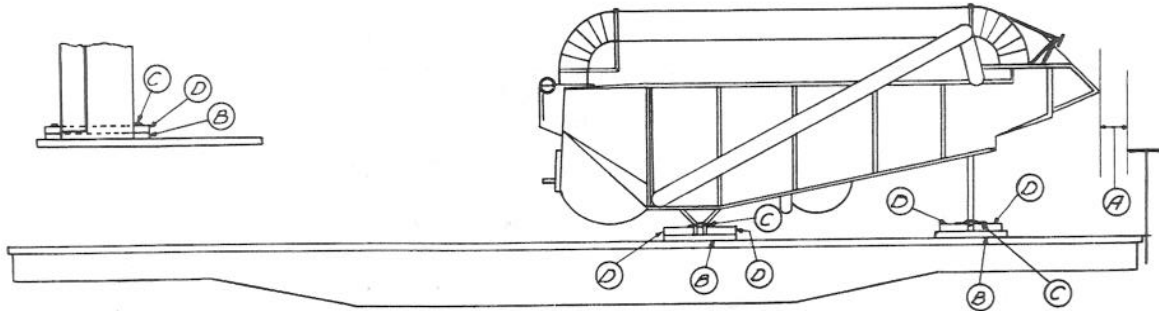
## THRESHERS, WITH OR WITHOUT PNEUMATIC TIRES, LENGTHWISE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	2 ea. wheel.	Blocks per Patterns 11 or 13. Locate in front and back of each wheel. Substitute on units equipped with pneumatic tires blocks Patterns 9, 14, 18, 21, 24 or 26, or one additional block, Patterns 11 or 13, at each location. Nail each to floor with four 40-D, or five 30-D nails.
C	4 ea. machine.	Blocks, per Pattern 3. Locate against outside of wheels. Nail each to floor with four 40-D nails.
D	4 ea. machine.	1 in. x 3½ in., length to suit. Locate over rim of wheel against Item "C". Nail each to floor with four 20-D nails. Not required for units equipped with pneumatic tires.
E	1 ea. outside wheel.	6 strands No. 9 ga. wire. Pass through spokes and around axle and through stake pockets. Twist taut.
F	2 ea. two machines.	Blocks, per Pattern 5. Locate, as shown, and nail each to floor with six 40-D nails.
G	1 ea. inside wheel.	6 strands No. 9 ga. wire. Pass through spokes and around axle and underneath Item "F". Twist taut.
H	1 ea. machine.	Blocks, 4 in. x 4 in. x length to suit. Locate, as shown, and nail to floor with four 20-D nails.

See General Rules, 4, 5, 9, 14, 15, 19-A and 19-B for further details.

THRESHERS, WITH WHEELS DISMOUNTED—FLAT CARS



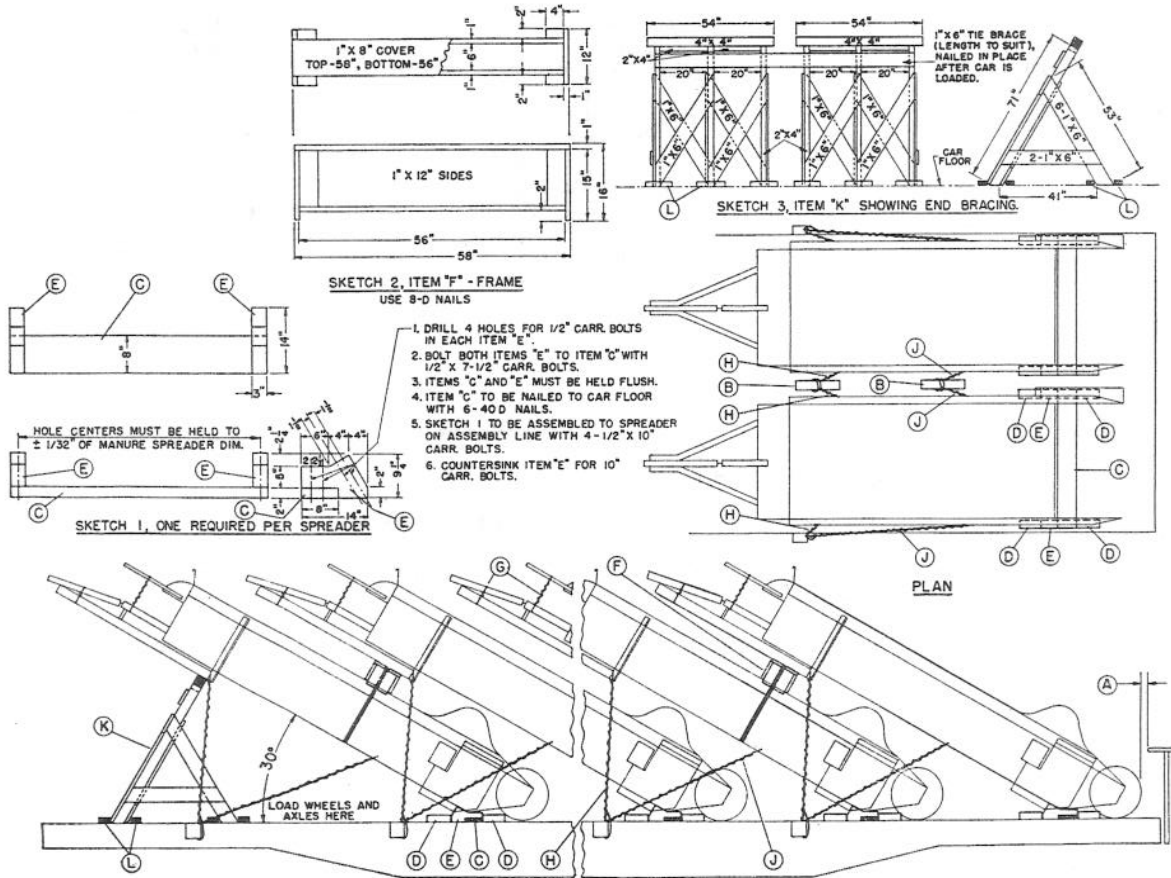
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	8	2 in. x 6 in. x 30 in., nailed to floor with five 40-D nails in each.
C	2 ea. axle.	1 in. No. 14 BW gage hot rolled steel, length to suit. Pass over top of axle and underneath Item "D". Nail each to floor with four 20-D nails.
D	4 ea. axle.	3 in. x 6 in. x 12 in., nailed to top of Items "B" and "C" with four 40-D nails in each.

Brake and clutch must be tightly set.

See General Rules 4, 5, 9, 14, 15 and 19-A for further details.

## Sec. 3—Fig. 76

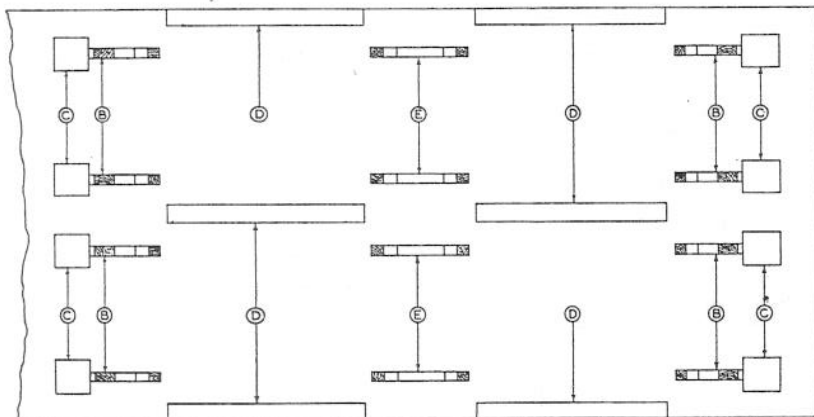
MANURE SPREADERS, LENGTHWISE, TWO ROWS, SIDE BY SIDE (LESS WHEELS AND TIRES)  
3,000 LBS. OR LESS—FLAT CARS



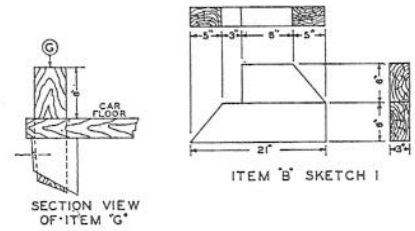
Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	1 ea. machine.	Blocks per Pattern 5. Locate between machine as shown and nail to floor with six 40-D nails.
C	1 ea. machine.	Blocks 2 in. x 8 in. x full width of machine. Locate as shown and nail to floor with six 40-D nails.
D	4 ea. machine.	Blocks per Pattern 3. Locate as shown and nail to floor with six 40-D nails.
E	2 ea. machine.	Block per Sketch 1. Fasten to Item "C" with two 1/2 in. x 7 1/2 in. carriage bolts and to machine with two 1/2 in. x 10 in. carriage bolts. Bolts to be drilled and pinned. Toe-nail with two 60-D nails through side of block and Item "C".
F	1 ea. machine.	Support per Sketch 2. Secure to machine with 3/4 in. x .035 in. in high tension bands.
G	1 ea. machine.	Two strands No. 9 gage wire. Place around control lever and tongue and twist taut.
H	2 ea. machine.	Six strands No. 9 gage wire. Pass around frame and to stake pocket on one side. Twist taut. Pass around frame and under Item "B" on other side. Twist taut.
J	2 ea. machine.	Six strands No. 9 gage wire. Pass around frame and to stake pocket on one side. Twist taut. Pass around frame and under Item "B" on other side. Twist taut.
K	1 per ea. row of machines at end of car, as shown.	Frame Sketch 3. Locate as shown and nail to floor with six 30-D nails.
L	12 ea. Item "K".	Block per Pattern 3. Locate against front and back of Item "K" and nail to floor with four 40-D nails.

See General Rules 4, 5, 9, 14 and 15 for further details.

TRACTORS, CRAWLER TYPE (WITH OR WITHOUT GROUSERS), 5,000 LBS. OR LESS—FLAT OR GONDOLA CARS

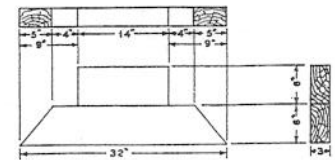


PLAN VIEW OF WOOD BLOCKING

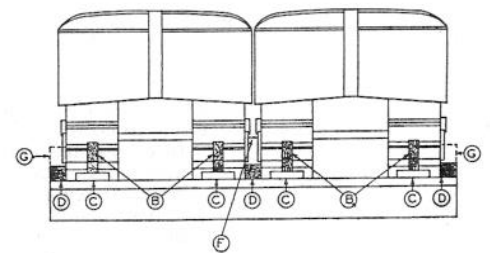
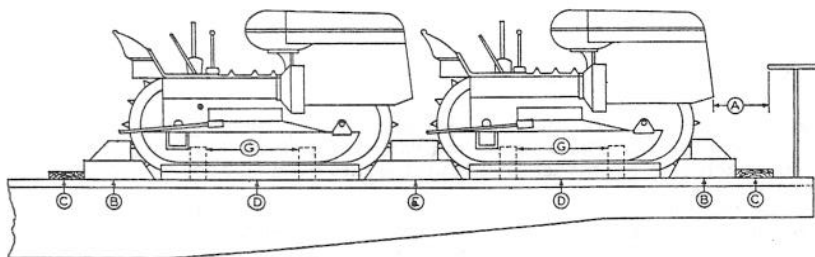


SECTION VIEW OF ITEM 'G'

ITEM 'B' SKETCH 1



ITEM 'E' SKETCH 2



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. unit.	Each to consist of two pieces, 3 in. x 6 in., cut to fit contour of crawler tread, Sketch 1. Toe-nail lower piece to floor with two 30-D nails at front and three 30-D nails on each side. Toe-nail top piece to the one below with two 30-D nails on each side and two 30-D nails at front. When machines are loaded end for end, use two Items "B" and "C" at outside end of machine and two Items "E" between crawlers of adjacent machines.
C	1 ea. Item "B".	2 in. x 8 in. x 10 in. Locate against Items "B" and nail to floor with five 30-D nails in each.
D	2 ea. unit or 3 per 2 units loads side by side.	Each to consist of two pieces of 2 in. x 4 in., length equal to that portion of crawler resting on floor. The use of three pieces in either top or bottom section to obtain length is permissible. Nail lower piece to floor with 30-D nails spaced about 10 in. apart and top pieces to those below in similar manner. Substitute, if desired, one piece of 3 in. x 4 in., length equal to that portion of crawler resting on floor. Nail to floor with 40-D nails spaced about 10 in. apart. Outside pieces not required when Items "G" are used.
E	As required.	Each to consist of two pieces, 3 in. x 6 in., cut to fit contour of crawler treads, Sketch 2. Toe-nail lower piece to floor with five 30-D nails on each side, and top piece to the one below with four 30-D nails on each side.
F	2 ea. pr. of machines.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires around frames or tracks of side by side machines so as to tie machines together at front and rear in the most effective manner. Overlap ends of wires and twist taut. Not required when Items "G" are used.
G	2 ea. unit.	4 in. x 5 in. hardwood, long enough to extend 8 in. above floor. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket or into stake through hole in center of stake pocket. When necessary, suitable filler to be placed between stakes and crawler treads and secured. Not required when Items "F" are used.

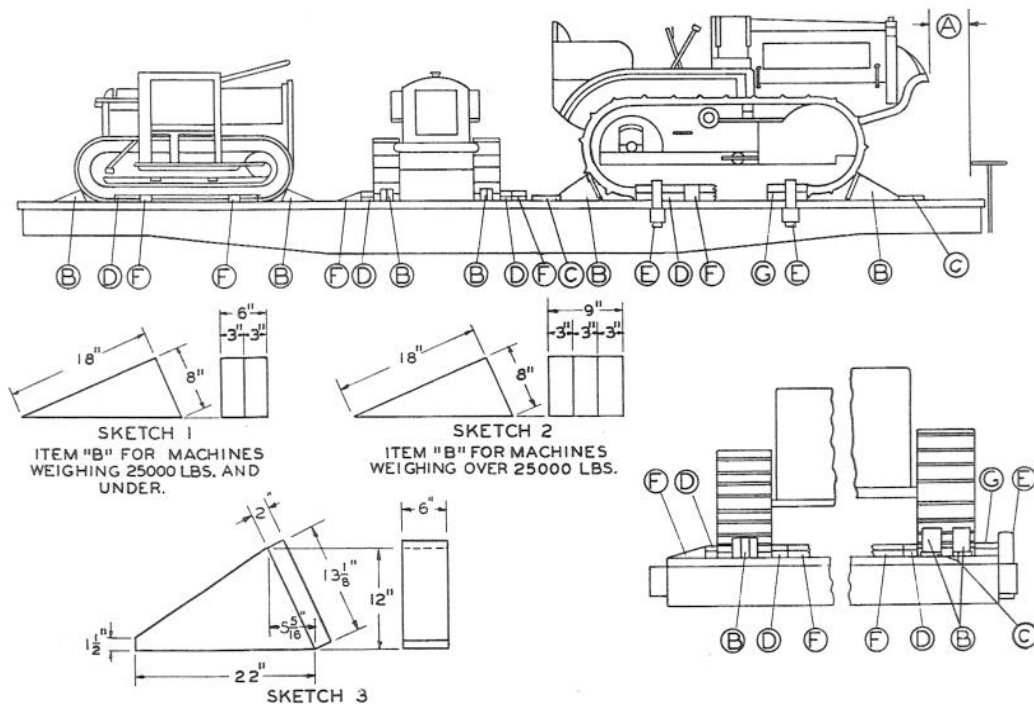
Detached parts, boxed material, etc., must be loaded as far from car sides and ends as practicable and secured to prevent displacement.

Brakes must be tightly set and wired.

See General Rules 4, 5, 9, 14, 15 and 19-A for further details.

## Sec. 3—Fig. 78

## TRACTORS, CRAWLER TYPE (WITH OR WITHOUT GROUSERS), OVER 5,000 LBS.—FLAT OR GONDOLA CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. unit.	Each to consist of two wedge shaped blocks, Sketch 1 or equivalent, for units weighing 5,000 to 25,000 lbs., inclusive, and three blocks, Sketch 2 or equivalent, for units weighing over 25,000 lbs. Locate one against each end of crawler treads and secure each to floor with one 20-D, three 40-D and two 60-D nails.
	8 ea. unit.	For units weighing 54,000 lbs. or less, blocks, Sketch 3. Secure facing piece to block with four 20-D nails. Facing piece required only when point of grouser contacts blocks. Locate two against each end of crawler treads and secure each to floor with one 20-D, three 40-D and two 60-D nails.
C	8 ea. unit.	2 in. x 6 in. x 12 in. Locate against Item "B", Sketch 3, and secure each to floor with four 20-D nails. Not required when blocks, Sketches 1 or 2, are used.
D	2 ea. unit.	Each to consist of two pieces 2 in. x 4 in. x 6 ft. Locate both against either outside or inside face of crawler treads. Nail lower pieces to floor with 30-D nails spaced about 10 in. apart and top pieces to those below in similar manner. The use of three pieces in either top or bottom section, to obtain full length, is permissible, provided three Items "F", equally spaced, are used. Substitute, if desired, at each location, one piece 3 in. x 4 in. x 6 ft. Nail to floor with 40-D nails spaced about 10 in. apart. When Items "D" are used against inside face of crawlers, use two fillers, each to consist of two 2 in. x 4 in. pieces long enough to fill space between Items "D". Locate about 12 in. from ends of Items "D". Nail lower pieces to floor with six 20-D nails, equally spaced, and top pieces to those below with six 30-D nails in each. Not required when Items "G" are used on machines loaded lengthwise.
E	4 ea. unit.	4 in. x 5 in., hardwood, long enough to extend 8 in. above floor. Drive a 40-D nail into stake directly below and with head even with outside of stake pocket, or into stake through hole in center of stake pocket. Use three stakes on each side of each machine when Items "D" and "F" are not used.
F	4 ea. unit.	Not required for machines weighing 25,000 lbs. or less, nor for machines weighing over 25,000 lbs. when loaded in gondola cars. Wedge shaped blocks 4 in. wide, 12 in. long, height equal to height of Item "D". Locate about 12 in. from ends of Item "D", and nail each to floor with five 30-D nails. Substitute, if desired, two 2 in. x 4 in. x 12 in. pieces at each location. Nail lower pieces to floor with five 20-D nails and top pieces to those below with five 30-D nails in each. When three Items "F" are used, locate one about 12 in. from each end of Item "D" and one at center.
G	4 ea. unit.	Not required when Items "G" are used on machines loaded lengthwise, nor when machines are loaded in gondola cars. Each to consist of two pieces, 2 in. thick, 16 in. long, wide enough to completely fill space between Items "E" and crawler treads. Locate one near each end of crawler bearing on floor. Nail lower piece to floor with six 30-D nails and top pieces to those below with six 30-D nails in each. Not required when Items "D" and "F" are used on machines loaded lengthwise, nor on machines loaded crosswise. Where length of machine and spacing of stake pockets will permit, use three Items "E" and three Items "G" on each side of each machine loaded lengthwise.

Where wedge shaped wheel or crawler blocking is used, such blocking may be chamfered at ends, provided suitable back-up blocks are used.

Tractors equipped with buckets or other movable attachments must have same adequately secured to unit, and placed in lowered position in contact with car floor or blocking.

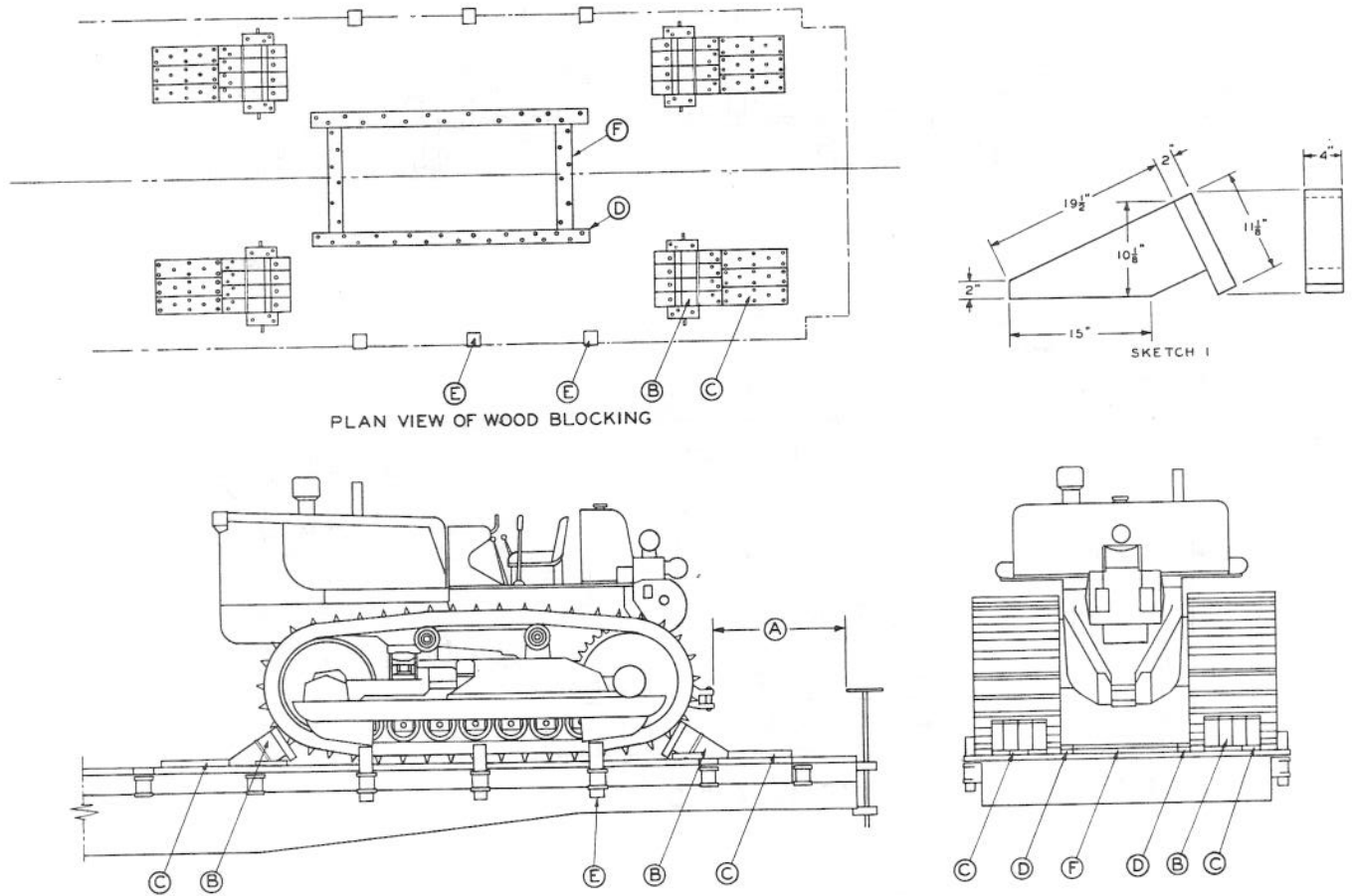
Detached parts, boxed material, etc., must be located as far from car sides and ends as practicable and secured to prevent displacement.

Brakes must be tightly set and wired.

See General Rules 4, 5, 9, 10, 14, 15 and 19-A for further details.

## Sec. 3—Fig. 79

## TRACTORS, CRAWLER TYPE, WITH GROUSERS, OVER 54,000 LBS.—FLAT CARS



PLAN VIEW OF WOOD BLOCKING

SKETCH 1

Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 ea. unit.	Each to consist of four blocks, Sketch 1, or equivalent, secured to car floor with double $\frac{3}{4}$ in. x .035 in. bands. Bands to pass over top of blocks nailed securely to car floor and place two 2 in. x 4 in. x 10 in. pieces, one on each side, nailed to floor with three 40-D nails. Blocks must be toe-nailed together and to car floor with 20-D nails. Locate, as shown, against each end of crawler treads and secure each Item "B" with eight 60-D, twelve 40-D and four 20-D nails.
C	As required.	2 in. x pieces totaling full width of Items "B" x 24 in. long and secure to floor with twenty-four 30-D nails.
D	2 ea. unit.	Each to consist of two pieces of 2 in. x 4 in., length to suit. Locate, as shown, against inside of crawler treads and secure lower piece to floor with 30-D nails spaced 10 inches apart and top piece to one below in like manner. Not required when Item "E" is used.
E	As required.	Side stakes long enough to extend 8 inches above floor. Locate minimum of three stakes on each side of unit, suitably spaced, as shown. Fill space between Items "E" and crawlers with suitable nailed fillers. Not required when Items "F" and "D" are used.
F	2 ea. unit.	Each to consist of two pieces of 2 in. x 4 in., length sufficient to fill space between Items "D". Locate, as shown, suitably spaced between Items "D", and secure lower piece to floor with 30-D nails spaced 10 inches apart and top piece to one below in like manner. Not required when Item "E" is used.

Where wedge shaped wheel or crawler blocking is used, such blocking may be chamfered at ends, provided suitable back-up blocks are used.

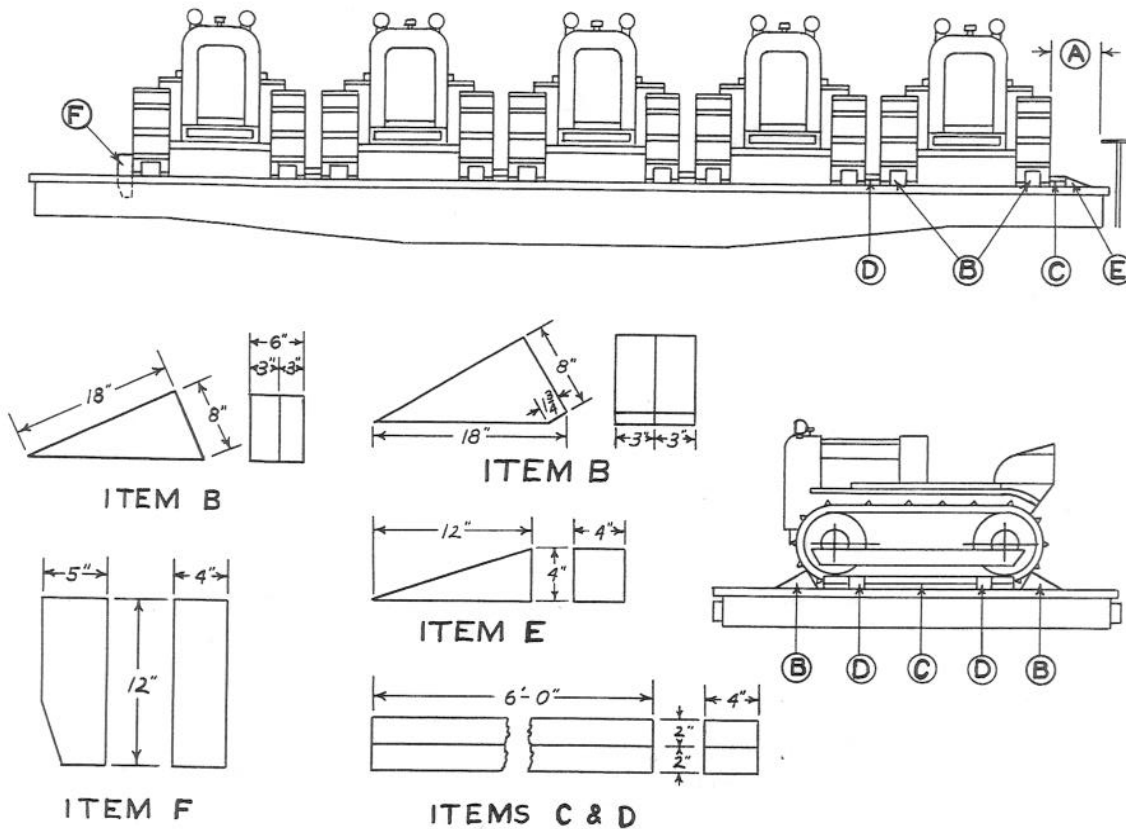
Detached parts, boxed material, etc., must be located as far from car sides and ends as practicable and secured to prevent displacement.

Brakes must be tightly set and secured.

See General Rules 4, 5, 9, 10, 14, 15 and 19-A for further details.

## Sec. 3—Fig. 80

## TRACTORS, CRAWLER TYPE (WITH OR WITHOUT GROUSERS), CROSSWISE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	4 each tractor.	Each Item "B" to consist of (A) One (1) Solid Wedge-shaped block 6 in. x 8 in. x 18 in. OR (B) Two (2) 3 in. x 8 in. x 18 in. wedge-shaped blocks, nailed together with five (5) 30-D nails to form one 6 in. x 8 in. x 18 in. 'Block Unit'. Locate each Item "B" (Solid Type, as described in (a) above, or 'Block-Unit' type, as described in (b) above), against each end of crawler treads and secure to floor with three 40-D nails, and two 60-D nails, driven through top of block, and two 40-D nails, toe-nailed through the sides of block one per each side.
C	As required.	Each to consist of two pieces 2 in. x 4 in. x 6 ft. Locate against outside face of crawler tread. Nail lower pieces to floor with 30-D nails spaced about 10 in. apart and top pieces to those below in similar manner. The use of three pieces in either top or bottom section, to obtain full length, is permissible. Substitute if desired, at each location, one piece 3 in. x 4 in. x 6 ft. Nail to floor with 60-D nails spaced about 10 in. apart. Not required when Item "F" is used.
D	As required.	Each to consist of two pieces 2 in. x 4 in. x 6 ft. Locate between adjacent tractors. Nail lower pieces to floor with 30-D nails spaced about 10 in. apart and top pieces to those below in similar manner. The use of three pieces in either top or bottom section, to obtain full length, is permissible. Substitute, if desired, at each location, one piece 3 in. x 4 in. x 6 ft. Nail to floor with 60-D nails spaced about 10 in. apart.
E	3 ea. end tractor.	Wedge-shaped blocks 4 in. wide, 12 in. long, height equal to height of Item "C". Space equally, with ends against Items "C" and secure each to floor with five 30-D nails in each. Substitute, if desired, two 2 in. x 4 in. x 12 in. pieces at each location. Secure lower pieces to floor with five 20-D nails and top pieces to those below with five 30-D nails in each. Not required when Items "F" are used.
F	2 ea. end of load.	4 in. x 5 in. x 12 in., hardwood. Locate in end stake pockets, against crawler treads. Each must be securely wedged in pockets, or nailed to floor. Not required when Items "C" and "E" are used.

Where wedge shaped wheel or crawler blocking is used, such blocking may be chamfered at ends, provided suitable back-up blocks are used.

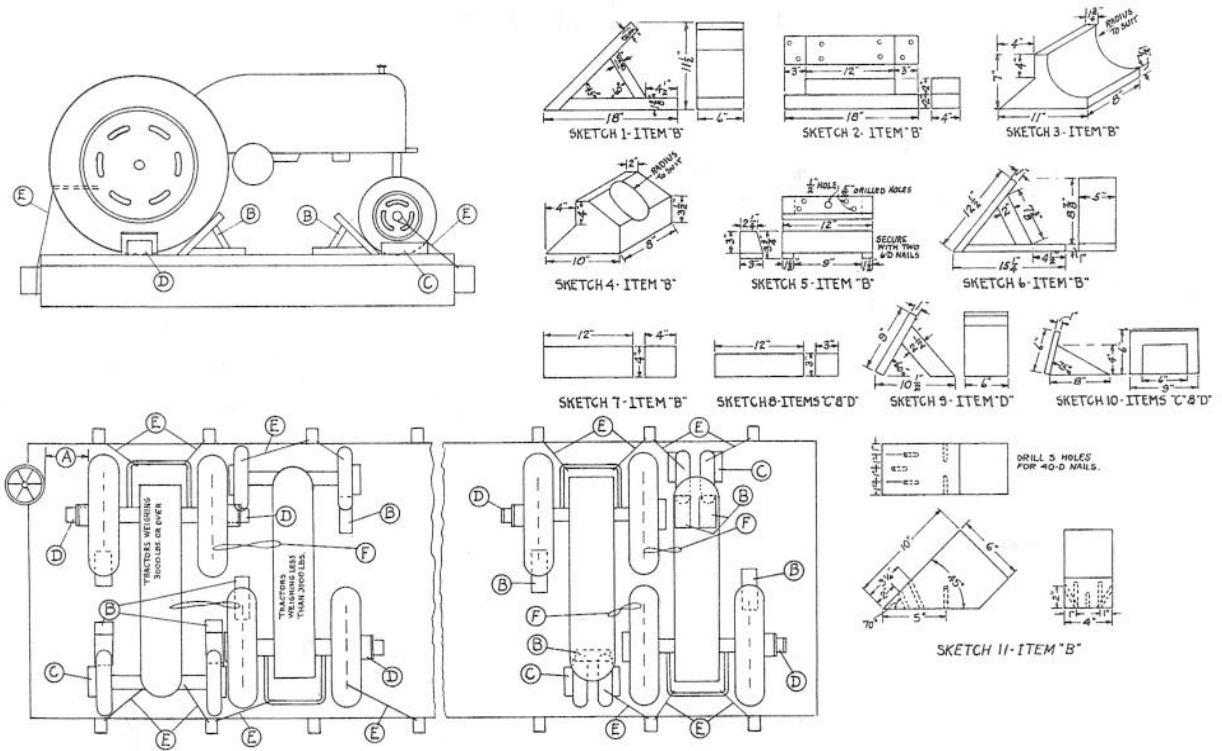
Detached parts, boxed material, etc., must be located as far from car sides and ends as practicable and secured to prevent displacement.

Brakes must be tightly set and wired.

See General Rules 4, 5, 9, 10, 14, 15 and 19-A for further details.

Sec. 3—Fig. 81

TRACTORS (WITH OR WITHOUT PNEUMATIC TIRES), CROSSWISE—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	Row-crop machines, regardless of weight and Conventional-type machines weighing 3,000 lbs. or over, 3. Conventional-type machines weighing less than 3,000 lbs., 2.	Blocks, per Sketches 1, 3, 4, 6 or 11. Center on tread, all either inside or outside of wheels. Locate one against one rear wheel and one against each front wheel. Nail blocks, per Sketches 1, 3, or 4, to floor with five 40-D or seven 30-D nails; blocks per Sketch 6 to floor with five 30-D nails, blocks per Sketch 11 with five 40-D nails. Substitute, if desired, one block, per Sketch 2, at front wheels on row-crop type machines. Nail blocks, per Sketch 2, to floor with four 20-D nails.
C	1 ea. front wheel.	Blocks, per Sketches 1, 2, 3, 4, 5, 6, 7 or 11. Center on tread, both either inside or outside of wheels, at diagonal corners. Nail blocks, per Sketches 1, 3, or 4, to floor with five 40-D or seven 30-D nails; blocks, per Sketch 2, with four 20-D nails; blocks, per Sketch 6, with five 30-D nails; blocks, per Sketches 5 or 7, with four 50-D nails; blocks per Sketch 11 with five 40-D nails.
D	1 ea. rear wheel.	For machines with front wheels less tires, blocks, per Sketch 8, each nailed to floor with four 50-D nails.
E	4 ea. machine.	Vertical holes, slightly smaller than diameter of nails, must be drilled through blocks, per Sketches 5, 7 and 8. Bevel top edge of blocks, per Sketch 7, when used against pneumatic tires.
F	2 ea. side by side machine.	Blocks, per Sketches 8 or 10. Locate both against outside of each wheel on row-crop and on conventional type machines, where possible. Bevel top edge of block per Sketch 8 when used against pneumatic tires. Nail each to floor with four 50-D nails. Blocks, per Sketches 8, 9, or 10. Locate both against outside of wheels, where possible, and nail each to floor with four 50-D nails. Each to consist of six strands No. 9 ga. black annealed wire. Pass three wires over front axle and three wires through machine at rear and through stake pockets, or pocket, either cross or "V" tie. Overlap ends of wire and twist taut. Only one tie at front end required on intermediate row-crop type machines and on four wheel conventional type machines weighing less than 2,000 lbs. Each to consist of six strands No. 9 ga. black annealed wire. Pass three wires around frame, spokes, or through holes in plates of wheels, or through a suitable bracket attached to each side by side machine with at least one 1/2 in. dia. bolt, so as to tie machines together in the most effective manner. Overlap ends of wires and twist taut.

The angling of front wheels of any type units, when required for clearance purposes is permissible provided wheel blocking, Items "B" are used against front and rear of each front wheel. For row crop tractor, one block, length equal to overall distance between outside of front wheels will suffice.

Detached parts, boxed material, etc. must be loaded as far from car sides and ends as practicable and secured to prevent displacement.

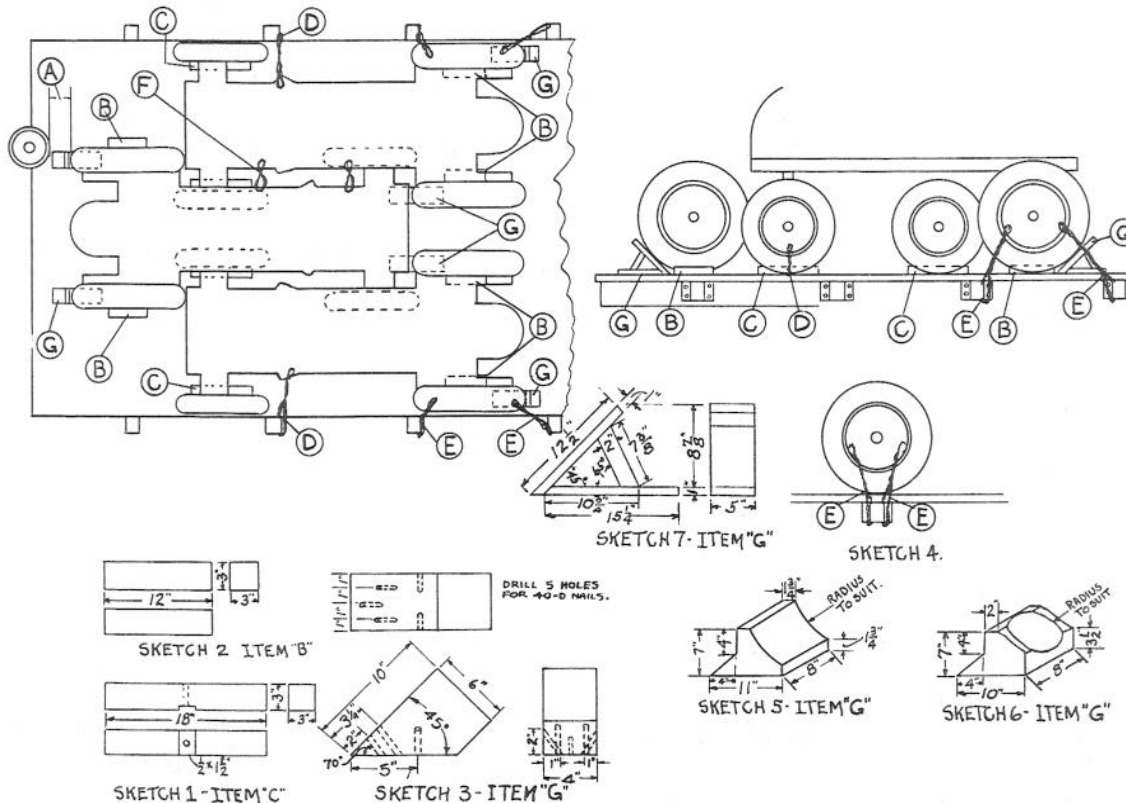
Tractor tires must be inflated as uniformly as possible to a minimum of 18 lbs. for two-ply tires and 27 lbs. for tires of four-ply or more.

Authority must be obtained for handling loads exceeding dimensions, as shown in the "Railway Line Clearances", for roads over which shipment is routed.

Brakes must be tightly set.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

TRACTORS (WITH OR WITHOUT PNEUMATIC TIRES), BOTH ROW-CROP AND CONVENTIONAL, LENGTHWISE OR DIAGONALLY, 4,000 LBS. OR LESS—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	1 ea. rear wheel.	Blocks, per Sketch 2, beveled at top to prevent chafing. Locate both either inside or outside of each rear wheel and nail each to floor with four 50-D nails.
C	1 ea. front wheel.	Blocks, per Sketch 1, beveled at top to prevent chafing. Locate both blocks either outside or inside of each front wheel and nail each to floor with six 50-D nails. On machines having dual front wheels, nail blocks to floor against outside of wheels. Size of notch not to exceed 1/2 in. deep nor 1 1/2 in. long. When more than two machines are loaded side by side, across car, apply blocks only to wheels of machines nearest sides of car. When Item "D" is attached to front end of machine and to stake pocket, block, 3 in. x 3 in. x 12 in., without notch, secured to floor with four 50-D nails, may be substituted for Item "C".
D	Four wheel tractors, 2; Row-Crop tractors, 1.	Each to consist of four strands, No. 9 ga. black annealed wire. Pass two wires through holes in plates or spokes of wheels, or through holes in frame near front of machine, and through stake pocket or Item "C". Overlap ends of wires and twist taut.
E	2 ea. outside rear wheel.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires through holes in plate, or around spokes, of outside wheels and preferably through two stake pockets. When two stake pockets are not available, attach wires to one stake pocket, per Sketch 4, or to blocks, Items "C". Overlap ends of wires and twist taut.
F	2 ea. pr. of machines.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires around frame, spokes, or through holes in plate of wheels, or through a suitable bracket attached to each side by side machine with at least one 1/2 in. dia. bolt, so as to tie machines together at front and rear in the most effective manner. Overlap ends of wires and twist taut.
G	2 ea. machine.	Blocks, per Sketches 3, 5 or 6. Locate one ahead of inside rear wheel and one behind outside rear wheel. Nail each to floor with five 40-D or seven 30-D nails. Substitute, if desired, blocks, per Sketch 7. Nail each to floor with five 30-D nails.

Vertical holes, slightly smaller than the diameter of nails must be drilled through blocks, Items "B" and "C".

Detached parts, boxed material, etc., must be loaded as far from car sides and ends as practicable and secured to prevent displacement.

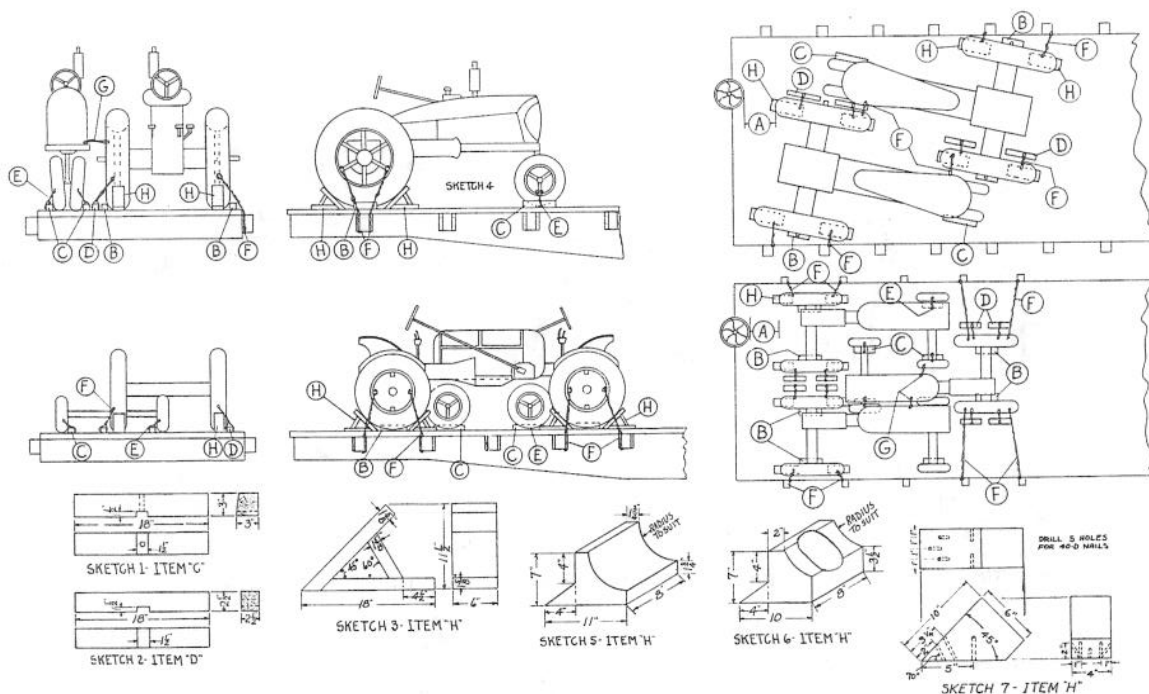
Tractor tires must be inflated as uniformly as possible to a minimum of 18 lbs. for two-ply and 27 lbs. for tires of four-ply or more.

Brakes must be tightly set.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

## Sec. 3—Fig. 83

## TRACTORS (WITH OR WITHOUT PNEUMATIC TIRES), BOTH ROW-CROP AND CONVENTIONAL, LENGTHWISE OR DIAGONALLY, OVER 4,000 LBS. TO AND INCLUDING 7,000 LBS.—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	1 ea. rear wheel	Blocks, 3 in. x 3 in. x 12 in., hardwood, beveled at top to prevent chafing. Locate both either inside or outside of each rear wheel and nail each to floor with four 50-D nails.
C	1 ea. front wheel.	Blocks, per Sketch 1, beveled at top to prevent chafing. Locate both blocks either outside or inside of each front wheel and nail each to floor with six 50-D nails. On machines having dual front wheels, nail blocks to floor against outside of wheels. Size of notch not to exceed $\frac{1}{2}$ in. deep nor $1\frac{1}{2}$ in. long.
D	2 ea. inside rear wheel.	When Item "E" is attached to front end of machine and to stake pocket block, 3 in. x 3 in. x 12 in., without notch, secured to floor with four 50-D nails, may be substituted for Item "C". Blocks, per Sketch 2. Nail each to floor with six 50-D nails. Size of notch not to exceed $\frac{1}{2}$ in. deep nor $1\frac{1}{2}$ in. long.
E	Four wheel tractors, 2; Row-Crop tractors, 1.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires through holes in plates or spokes of wheels, or through holes in frame near front of machine, and through stake pocket or Item "C". Overlap ends of wires and twist taut.
F	2 ea. rear wheel.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires through holes in plate, or around spokes, of outside wheels and preferably through two stake pockets. When two stake pockets are not available, attach wires to one stake pocket, per Sketch 4, or to blocks, Items "D".
G	2 ea. pr. of machines.	When space between rear wheels of side by side machines will not permit application of both Items "D" side by side, one Item "D" may be used provided three wires, Items "F", are passed through side by side wheels and around Items "D". Overlap ends of wires and twist taut.
H	2 ea. rear wheel.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires around frame, spokes, or through holes in plate of wheels, or through a suitable bracket attached to each side by side machine with at least one $\frac{1}{2}$ in. dia. bolt, so as to tie machines together at front and rear in the most effective manner. Overlap ends of wires and twist taut.
		Blocks, per Sketches, 3, 5, 6 or 7. Locate against tread and nail each to floor with five 40-D or seven 30-D nails. When more than two tractors are loaded side by side, across car, apply blocks only to wheels of tractors nearest sides of car.

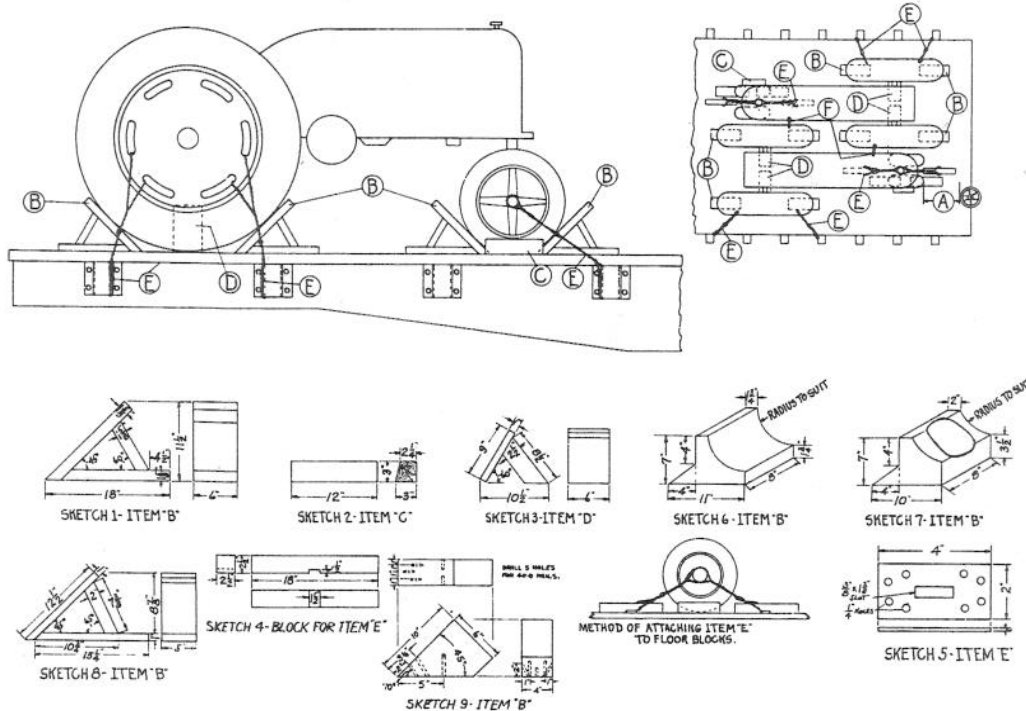
Vertical holes, slightly smaller than the diameter of nails, must be drilled through blocks, Items "B", "C" and "D". Detached parts, boxed material, etc., must be loaded as far from car sides and ends as practicable and secured to prevent displacement.

Tractor tires must be inflated as uniformly as possible to a minimum of 18 lbs. for two-ply and 27 lbs. for tires of four-ply or more.

Brakes must be tightly set.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.

TRACTORS (WITH OR WITHOUT PNEUMATIC TIRES), BOTH ROW-CROP AND CONVENTIONAL, LENGTHWISE OR DIAGONALLY, OVER 7,000 LBS.—FLAT CARS



Item	No. of Pcs.	Description
A		Brake wheel clearance. See Fig. 2.
B	Four wheel tractors, 8; Row-Crop tractors, 6.	Blocks, per Sketches 1, 6, 7 or 9. Locate one against front and rear of each wheel of four-wheel tractors; one against front and rear of each rear wheel and against front and rear of one front wheel of row-crop tractors. Nail each to floor with five 40-D or seven 30-D nails. Substitute, if desired, blocks, per Sketch 8, for tractors weighing 4,000 lbs. or less, and at front wheels only for machines weighing over 4,000 lbs. Nail each to floor with five 30-D nails.
C	1 ea. front wheel.	Blocks, per Sketch 2. Locate against outside of wheels and nail each to floor with four 50-D nails.
D	1 ea. rear wheel.	Blocks, per Sketch 3. Locate against wheel and nail each to floor with three 30-D nails.
E	1 ea. front wheel, 1 ea. pr. of dual wheels and two ea. outside rear wheel.	Each to consist of six strands No. 9 gage black annealed wire. Pass three wires through spokes, or holes in plates, of outside front wheels, or frame, and through stake pockets; through spokes, or holes in plates, of outside rear wheels, and through two stake pockets. When wires cannot be effectively applied to stake pockets, and for units with solid disc wheels, pass wires over axle, or through frame of machine and underneath blocks, per Sketch 4, nailed to floor with five 50-D nails in each or through metal anchor plates, per Sketch 5, nailed to floor with eight 20-D nails in each. Pass three wires through spokes, or holes in plates of outside rear wheels and through two stake pockets, or pass wires over axle and underneath blocks, per Sketch 4, nailed to floor with five 50-D nails in each, or through metal anchor plates, per Sketch 5, nailed to floor with eight 20-D nails in each. Overlap ends of wires and twist taut.
F	2ea. pr. machines.	Each to consist of six strands, No. 9 ga. black annealed wire. Pass three wires around frame, spokes, or through holes in plate of wheels, or through a suitable bracket attached to each side by side machine with at least one ½ in. dia. bolt, so as to tie machines together at front and rear in the most effective manner. Overlap ends of wires and twist taut.

Vertical holes, slightly smaller than the diameter of nails, must be drilled through blocks, Items "B", "C" and "D", and those for Item "E" when used.

Detached parts, boxed material, etc., must be loaded as far from car sides and ends as practicable, and must be secured to prevent displacement.

Tractor tires must be inflated as uniformly as possible to a minimum of 18 lbs. for two-ply tires and 27 lbs. for tires of four-ply or more.

Brakes must be tightly set.

See General Rules 4, 5, 9, 14, 15, 19-A and 19-B for further details.