

*Your New
Jennings
"Chief" Machine*



PARTS CATALOG
and
**SERVICE
MANUAL**

IMPORTANT

Your precision-built CHIEF and other Jennings models employing the famous Chief Mechanism will give you long and trouble-free service. At the same time, a little attention and care on your part will assure maximum operating efficiency and longer life.

This Service Manual will enable you to fully understand the working parts of Chief-type machines so that you can make minor adjustments and repairs when necessary. It will also help you in ordering replacement parts.

PLEASE READ CAREFULLY

What is back of Your New Jennings Machine?

- Established in 1906, O. D. Jennings & Co. is a solid, old line company that has a substantial financial background with one of the highest Dun & Bradstreet ratings.
- Over 60 Jennings Dealers and Distributors located throughout the country are equipped to serve you.
- Jennings Engineering Dept. has patented many features on the Chief Mechanism and is continually designing machines to give you greater play-appeal and finer performance.
- Each machine is carefully tested and inspected before it leaves the plant. Service it according to these instructions.

O. D. JENNINGS and COMPANY
4307-39 WEST LAKE STREET • CHICAGO 24, ILLINOIS
Mansfield 6-2612



A PERSONAL MESSAGE FROM

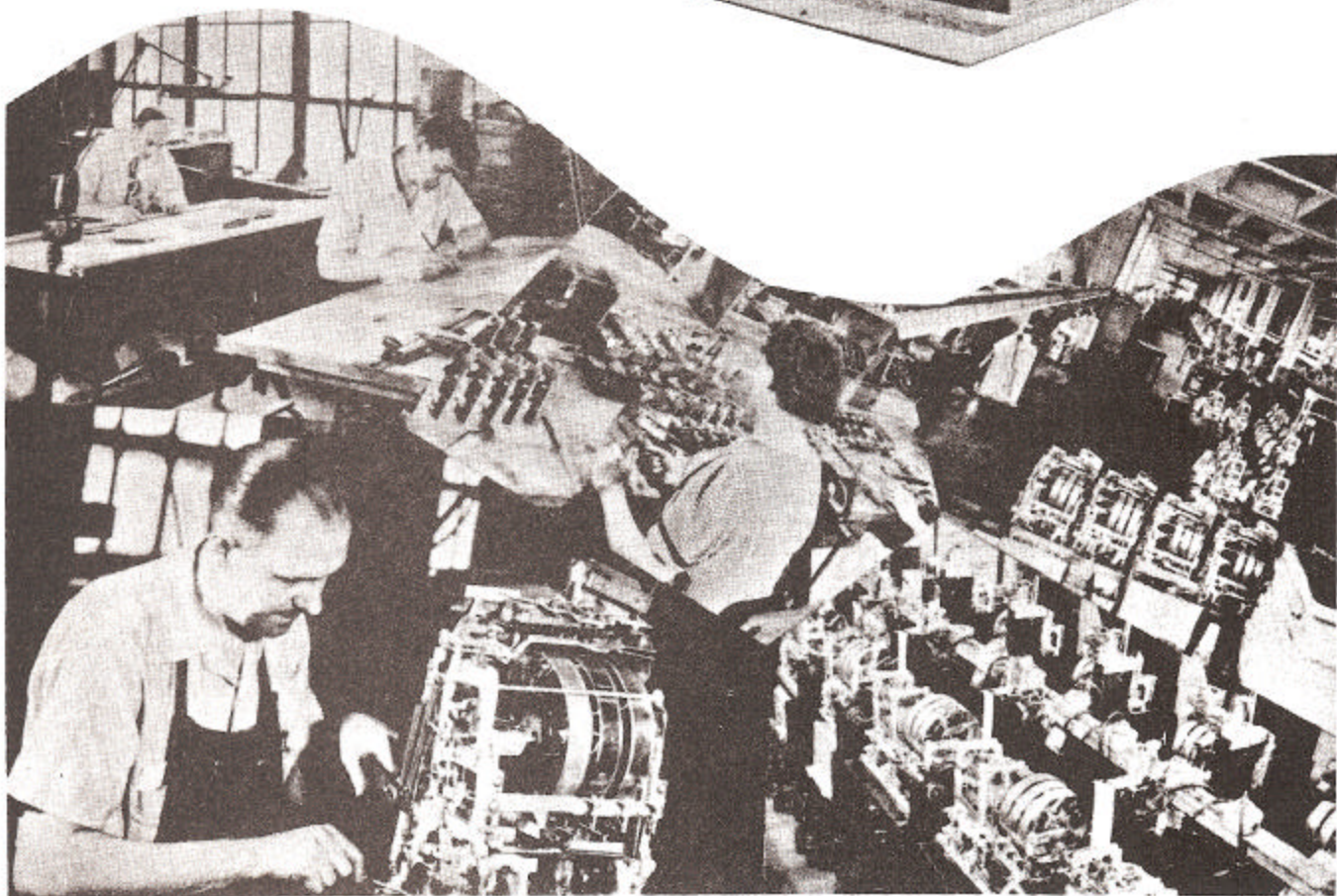
O. D. JENNINGS

You now own one of the finest "precision built" coin machines on the market today. Your new "Chief" mechanism is built of the highest quality materials, carefully assembled and tested to give you lasting service and satisfaction.

You are always welcome to visit our plant and see for yourself how our "Chief" machines are being built.

Sincerely

O. D. Jennings



GENERAL INSTRUCTIONS

HOW TO ORDER PARTS

NOTE: All part numbers on photographs and in lists in this book are for 5¢ "Chief" Machines unless indicated as otherwise.

AT ALL TIMES WHEN ORDERING PARTS SPECIFY DENOMINATION OF MACHINE 5¢ 10¢ 25¢ 50¢ \$1.00

All Part numbers in this book are grouped according to assemblies. . . such as Escalator Assembly, Reel Assembly, Jackpot Assembly, etc. Since many parts are related to several assemblies, it may be necessary to check several related assemblies to find the part number.

If you cannot identify the part you want from photographs or part lists, send us a pencil-tracing of the part and describe where it is used; or send us the part you wish to replace.

ATTENTION! Your Jennings Machine when shipped from our factory is completely greased and oiled. However, it is very important that you continue to oil and grease the working parts of this mechanism. This should be done at least once every 30 days. **ALL OF THE MOST IMPORTANT POINTS TO BE OILED AND GREASED ARE INDICATED IN THE PICTURES ON THE FOLLOWING PAGES . . . LOOK FOR THEM!**

INSPECT YOUR SHIPMENT

When the "CHIEF" arrives, first inspect the crate to see that no damage has been done to your machine.

If you find a crate has been damaged to such an extent that the machine may be harmed you should request a "Bad Order" receipt from the driver or agent in order that you may file claim for any damage. Claim must be filed by YOU as our responsibility for the handling of the shipment ceases when the shipment is placed in the hands of the transportation company.

HOW TO REMOVE MACHINE FROM PACKING CASE

Cut the sealing wire and remove front cover. Then, with one hand grasp the top and with the other hand grasp the bottom of the machine just above the payout cup. It will now slide out of the packing case without any trouble.

"CHIEF" SPECIFICATIONS

Dimensions of Base 15 1/2" x 15 1/2"
Dimensions of Cabinet 13" x 14 1/2" x 27"
Mechanism Weight 43 pounds
Cabinet Assembly 50 pounds
Check or Cash Load Weight 4 pounds
"CHIEF" Boxed Weight 125 pounds

Specifications of Mint Venders furnished upon request.

CAPACITY OF COIN TUBE, JACKPOT AND RESERVE

5¢ "CHIEF"	Coin Tube holds approximately . . .	\$ 6.50
5¢ "CHIEF"	Jackpot holds approximately	7.50
5¢ "CHIEF"	Reserve holds approximately	4.50
10¢ "CHIEF"	Coin Tube holds approximately . . .	21.00
10¢ "CHIEF"	Jackpot holds approximately	17.50
10¢ "CHIEF"	Reserve holds approximately	17.50
25¢ "CHIEF"	Coin Tube holds approximately . . .	37.50
25¢ "CHIEF"	Jackpot holds approximately	35.00
25¢ "CHIEF"	Reserve holds approximately	17.50
50¢ "CHIEF"	Coin Tube holds approximately . . .	54.00
50¢ "CHIEF"	Jackpot holds approximately	37.00
50¢ "CHIEF"	Reserve holds approximately	10.00
\$1.00 "CHIEF"	Coin Tube holds approximately . . .	94.00
1.00 "CHIEF"	Jackpot holds approximately	55.00
1.00 "CHIEF"	Has no Reserve	

PART LIST ABBREVIATIONS

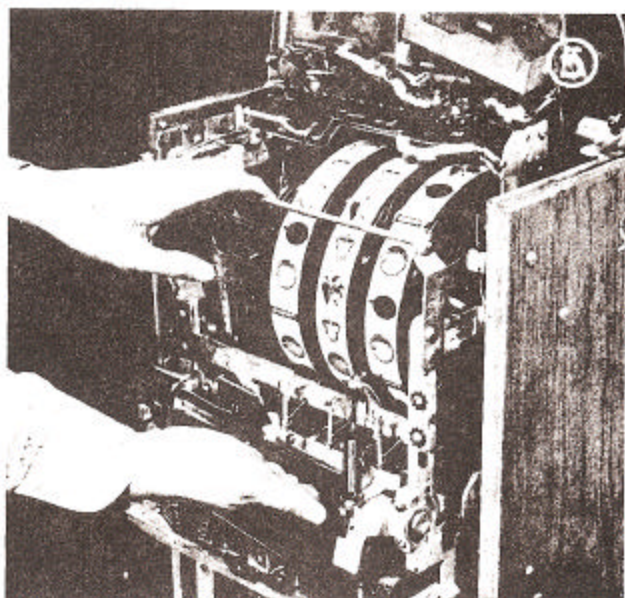
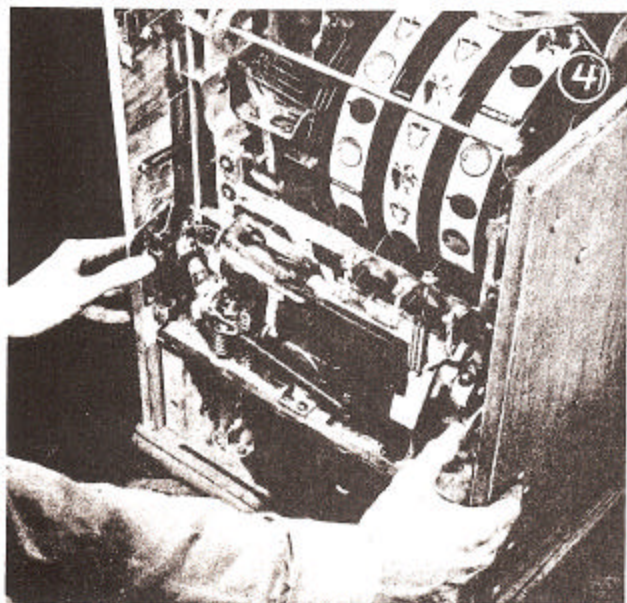
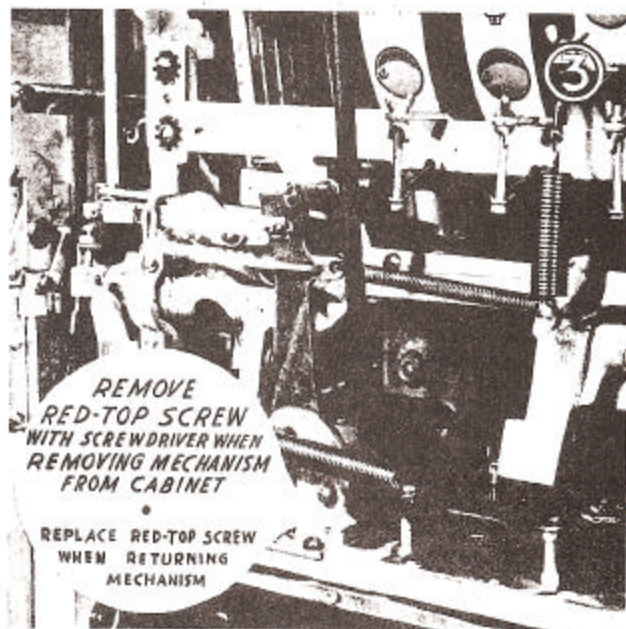
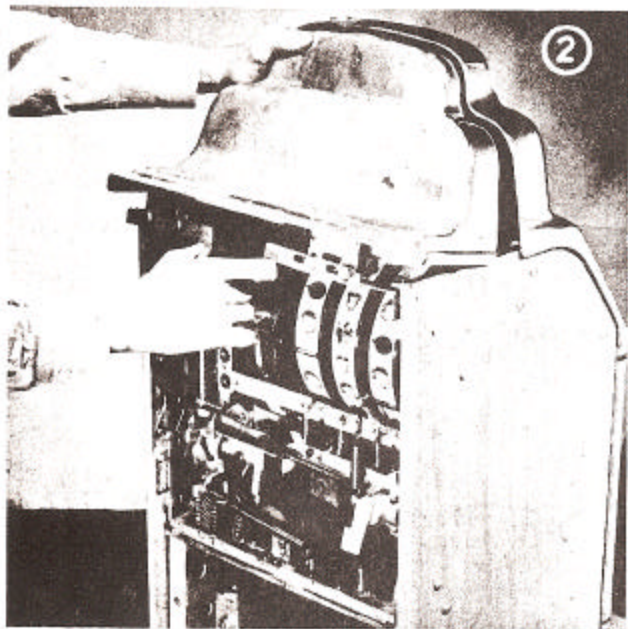
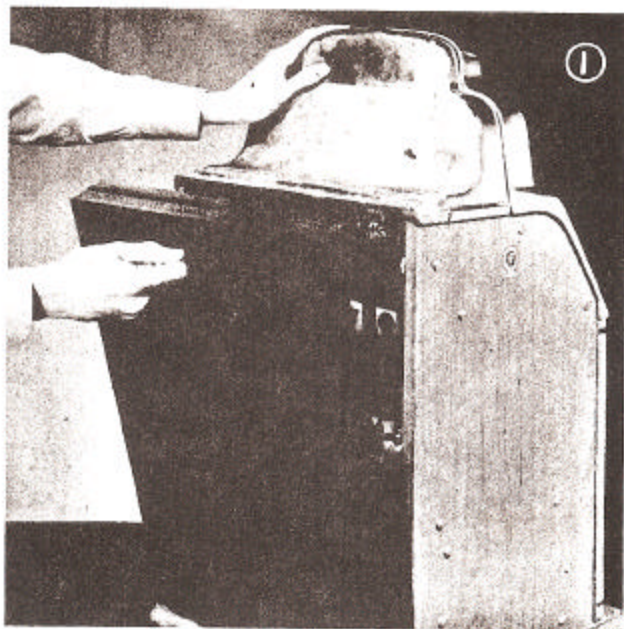
Adj.	Adjusting
Assy	Assembly
Brkt	Bracket
Cab	Cabinet
Comp	Complete
Cyl	Cylinder
Esc	Escalator
Hsng	Housing
Horz	Horizontal
J/P	Jackpot
L/F	Left Front
L/S	Left Side
Mech	Mechanism
Mtng	Mounting
O & E	Odd & Even
P/L	Payout Lever
P/S	Payout Slide
Retng	Retaining
R/F	Right Front
R/S	Right Side
Shld	Shoulder
Vert	Vertical
SDX	Super De Luxe
CSP	Complete Stock Part

REMOVING MECHANISM FROM CABINET

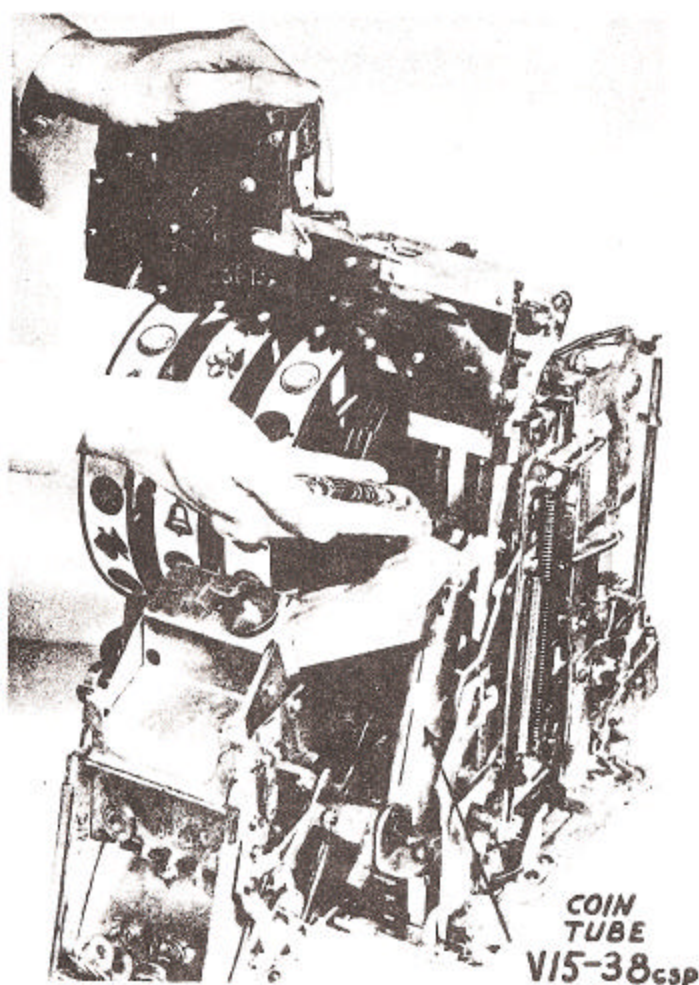
HOW TO REMOVE MECHANISM FROM CABINET

Remove back door as in figure 1. Be sure key is **ALL THE WAY IN LOCK** to insure lock opening easily. Remove rear top casting in back by pressing together the two clamps which hold this casting in position (figure 2). Casting will then lift off. At the bottom of the mechanism and to the left of the clock is a red-topped screw. Remove this screw as in figure 3, and press down on the clamps on each side of the cabinet as in figure 4. Slide out the mechanism easily as in figure 5.

When replacing mechanism in cabinet be sure it slides in easily. Be sure mechanism base fits properly into the grooves of the aluminum cabinet base. **DO NOT FORCE IT IN!**



LOADING the Mechanism



LOADING THE COIN TUBE

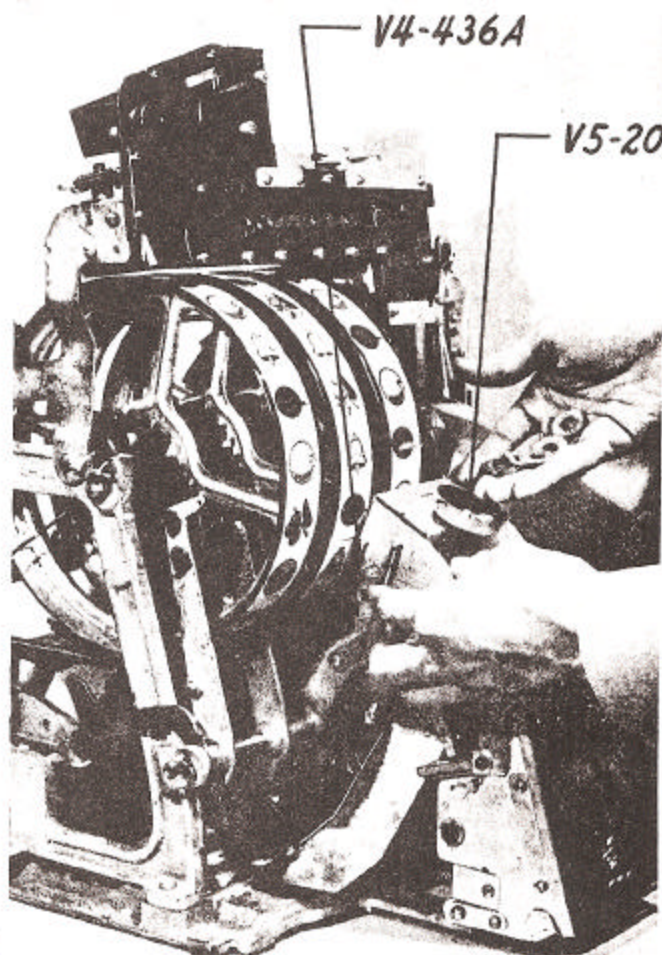
HOW TO LOAD THE COIN TUBE

The coin tube can be loaded with mechanism removed from the cabinet as illustrated above, or without removing the mechanism from the cabinet as follows: First, remove large back door on cabinet. Pull out loading lever V4-1534CSP located near base of mechanism at rear. This lever is stamped "Pull to Load". (See page 6 rear right view).

Now, play coins into the machine in the regular manner, pulling the handle each time you deposit a coin. You will notice that the reels do not spin, as they have become disengaged. After the coin tube is full then the coins start overflowing into the Jackpot. Continue until Jackpot is filled, then push loading lever V4-1534CSP into position.

Should you forget to push the loading lever back, the back door, when locked in place, will automatically push the loading lever in proper position. You cannot accidentally leave the reels disengaged as long as the back door is in place.

NOTE: Be sure all coins lay flat in the coin tube when loading. Any coins standing on end will cause payout slides to jam.



LOADING THE JACKPOT

HOW TO LOAD THE JACKPOT

Both the Jackpot and Coin Tube must be loaded by hand when setting up your new "Chief". After once being loaded by hand, the Jackpot and reserve are automatically loaded from the overflow of the coin tube. When the Jackpot and reserve are full, then all coins overflow into the cash box.

The Jackpot can be loaded without removing the mechanism from the cabinet as explained in next paragraph under loading the coin tube. Or you can load the Jackpot by removing the mechanism from the cabinet as shown above. Directly over the Jackpot runway is a bronze cover V5-20. Pull this cover aside and then place the first finger of your left hand underneath the overflow housing flap V4-436A. This keeps coins from going down the cash box runway while loading the Jackpot.

Now, with your right hand, drop the coins through the Jackpot loading hole, a few at a time, until the desired number are in the Jackpot. Push bronze cover back into position and return mechanism to cabinet.

**FAMILIARIZE YOURSELF
WITH THE SEPARATE UNITS**

MAJOR OPERATING UNITS

Jennings' Chief mechanism is made up of several major assemblies, the most important of which are the following:

1. The Escalator Assembly
2. The Reel Assembly
3. The Jackpot Assembly
- *4. The Payout Slides
- *5. The Vertical payout Levers
- *6. The Horizontal Payout Levers
7. The Clock Assembly

*The Vertical, Horizontal Levers, and Payout Slides, are closely related and work as a unit.

The right and left side frame and attachments are designated as such from a FRONT VIEW of the mechanism. These and the base attachments, the pump and cabinet attachments for the convenience of ordering parts are also treated as separate units.

EACH MAJOR UNIT IS TREATED SEPARATELY IN DETAIL IN THIS BOOKLET. When ordering parts and correcting trouble first locate the units to which the part or trouble is connected, then turn to the page dealing with that particular unit.

**NO OTHER MACHINE
HAS THESE FEATURES:**

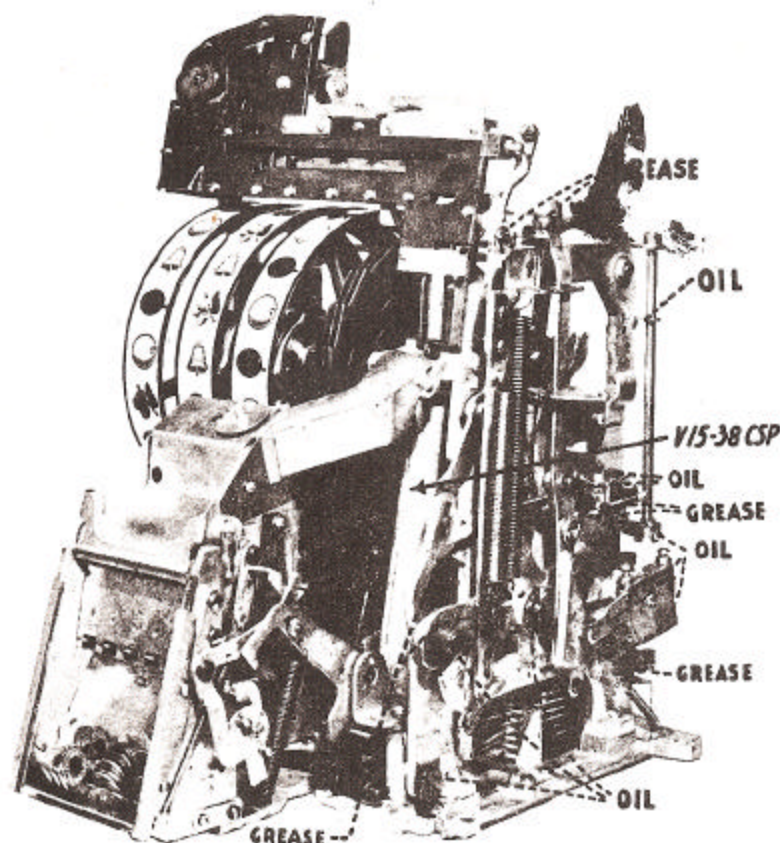
Jennings' famous Chief mechanism is the most trouble-free, compact and sturdy mechanism ever built. The Escalator and Jackpot are attached to the mechanism, which simplifies the servicing of machine.

This mechanism, when removed from the cabinet, operates EXACTLY as it does when enclosed in the cabinet. Adjustments are easy to make because all of the working parts are attached to the mechanism.

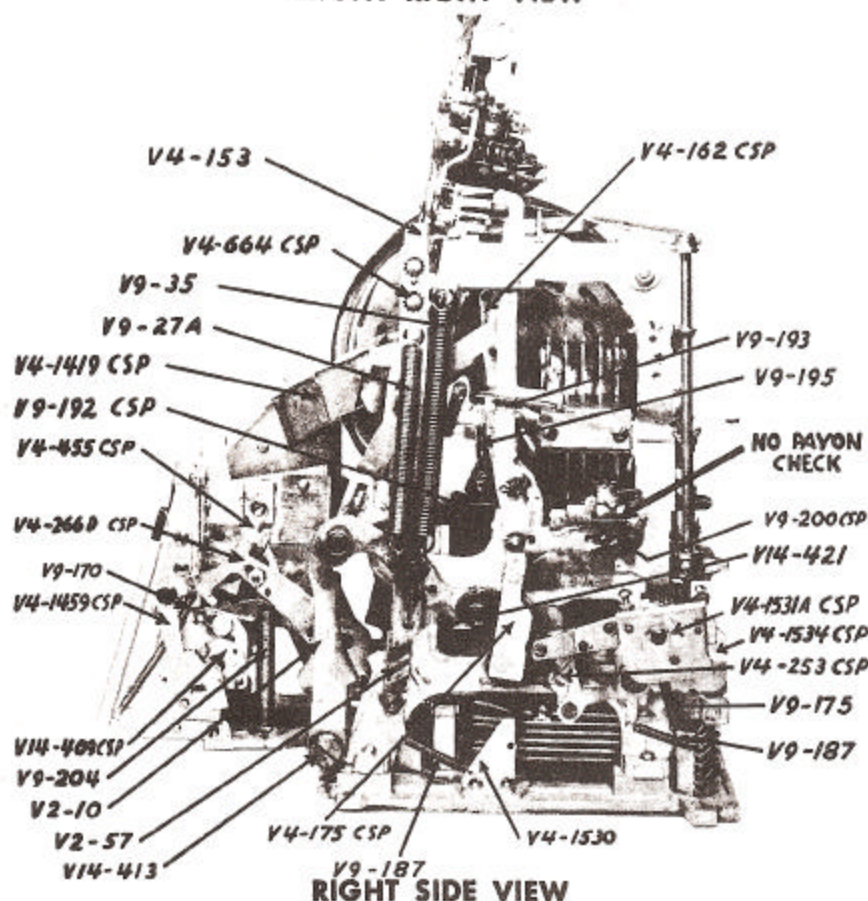
All units are quickly detachable when damage necessitates replacement.

Jennings' world-famous "chain-drive" escalator rolls the coins and eliminates the "jamming" so common in ordinary escalators.

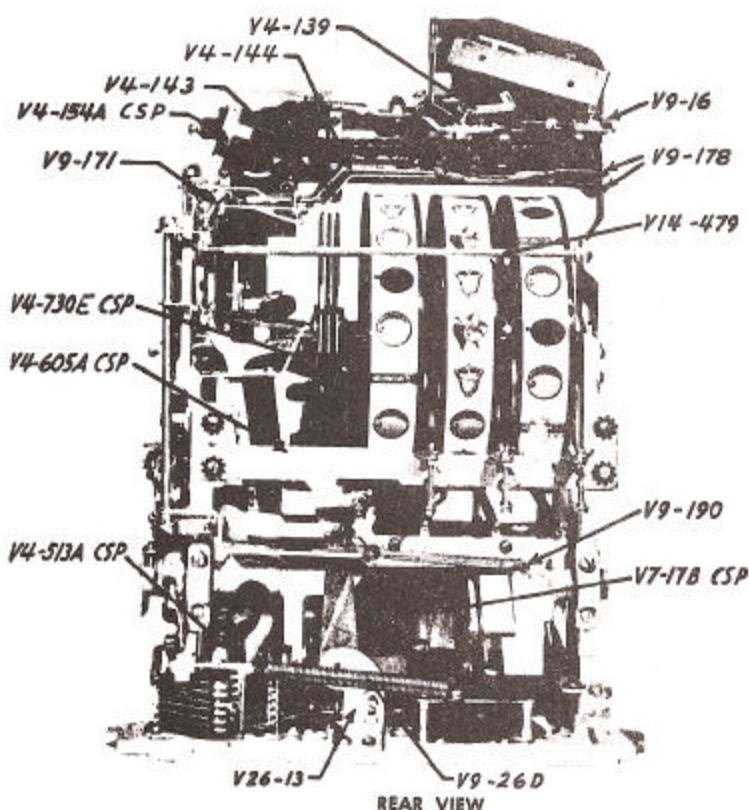
The large ADJUSTABLE Jackpot holds more coins than any other make. Equipped with safety glass front, Jennings' Jackpot is easy to load and may be removed in a jiffy.



FRONT RIGHT VIEW

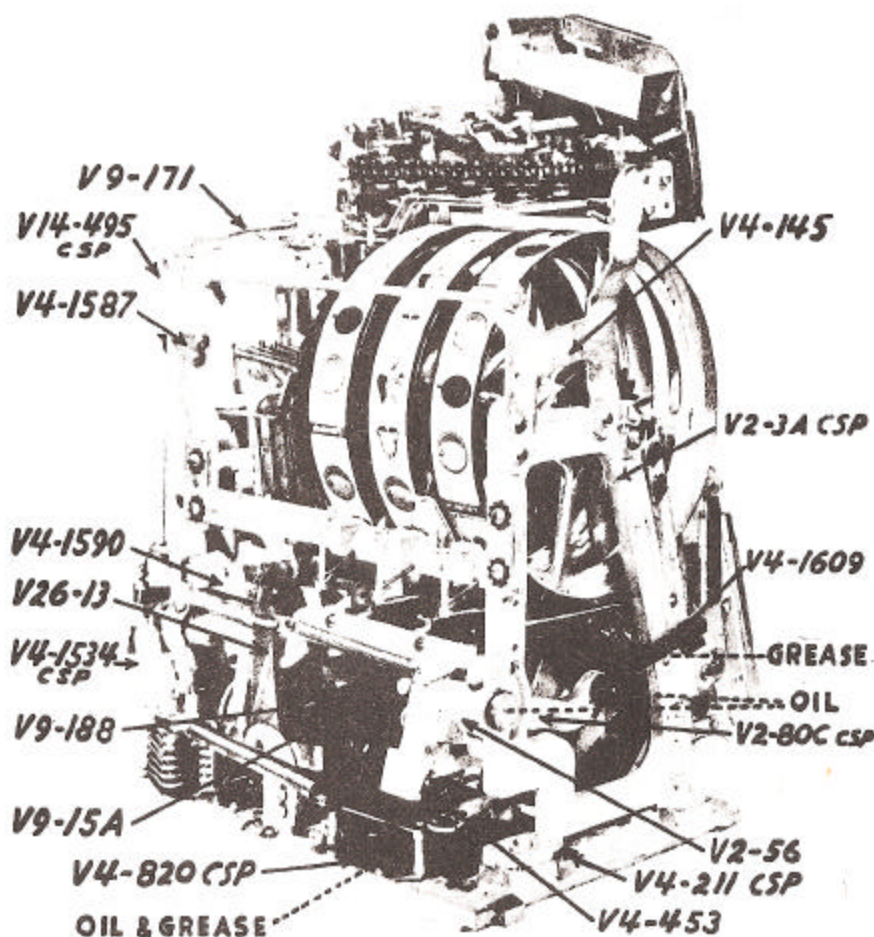


RIGHT SIDE VIEW



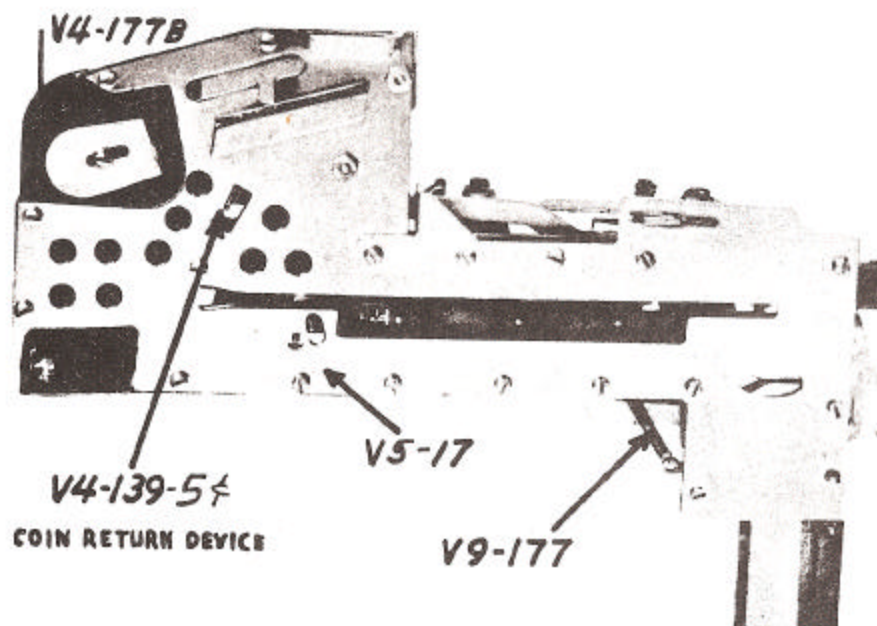
DON'T

1. Don't shorten springs; change the tension or use substitute springs. When springs need replacement, order them from your catalog by number and refer to the part to which they are attached.
2. Don't lose your keys. Keep a record of your key numbers.
3. Don't fail to replace the red-top screw that fastens the mechanism to the cabinet base when removing the mechanism.
4. Don't switch mechanisms from one machine to another.
5. Don't allow players to shake the machine.
6. Don't experiment with any part of the mechanism unless you know what you are doing.
7. Don't use oil or grease on the payout slides.
8. Don't oil the escalator runways.
9. Don't allow bent coins to remain in circulation.
10. Don't lose your Chief instruction book.
11. Don't use an ice pick to release a bent coin jammed in the escalator.
12. Don't use an ice pick or screw driver to release coins jammed in payout slides.



JENNINGS' PATENTED

"Chain Drive" ESCALATOR



CLEANING ESCALATOR

The escalator should be given a good cleaning every three months. Remove the escalator front cover and clean thoroughly with carbon tetrachloride or any non-inflammable cleaning fluid. Do not use oil on escalator runways. Also remove the REAR top casting above the back door and clean the coin chute V17-32. (See cabinet photos page 11).

RELEASING BENT COINS

The use of an ice pick or any sharp instrument to release bent coins will scratch the escalator coin chute and slow down or stop coins travelling down the coin runway to the escalator roller chain. Loosen the escalator front cover screws above and below the jammed coin to allow the coin to drop to the escalator roller chain. Tighten screws. The coin will now travel along the escalator chain.

THE MAGNET

The Magnet, indicated by the arrow V4-177B, serves to reject all slugs that contain iron or steel. This Magnet is properly adjusted at the factory. Should it ever be necessary to replace or readjust the Magnet, first of all, move it over to the right just far enough to block the passage of a coin. Fasten it loosely in place.

Now, while the coin is still touching the Magnet, move the Magnet slowly to the left until the coin passes through with ease. Tighten the screw which holds the Magnet in place, and check your adjustment by playing a steel slug to see if it is drawn to the return switch track.

COIN RETURN DEVICE

Arrow V4-139 points to the front end of the Coin Return Device. A better view of this device can be had by looking at Page 6 showing the rear view of the mechanism.

The Jennings' patented Coin Return Device is an exclusive feature of the CHIEF. It prevents overlapping of coins in the coin chute by permitting only one coin at a time to remain in playing position.

This device operates on gravity and should swing freely on its pin. Machine must be level or all coins will return to the player.

Returned coins drop into the small receptacle directly below and to the left of the coin receiver. Do not permit coins to pile up in this receptacle or they will eventually back into the coin return switch track and clog it.

The Coin Return Device is properly adjusted and given a thorough test and inspection at the factory. It should never need any adjustment unless the proper adjustment is forcefully upset in some manner. This may happen when a coin is jammed in the chute near the Coin Return Device.

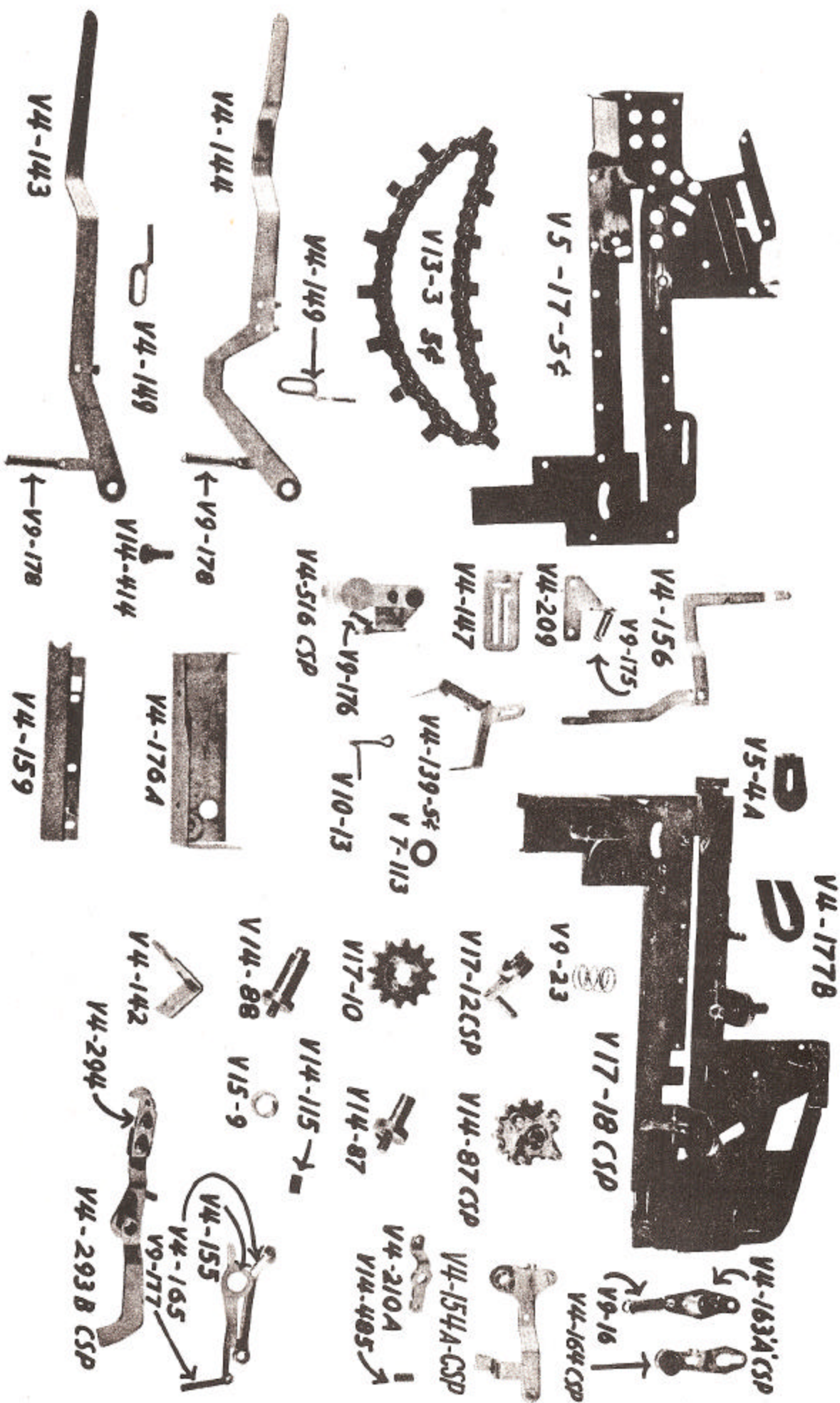
THE NO-PAY-ON-CHECK FEATURE

This device is fastened to the right main mechanism frame, toward the rear of the mechanism. It prevents paying on winning combinations when checks with a hole in the center are played into the machine.

To set the machine to pay on checks, remove spring as shown. The part number of this spring is V9-200, located in center of right side frame and attached to the No-Pay-on-Check Feature. See right side view, page 5.



ESCALATOR PARTS



ESCALATOR PARTS

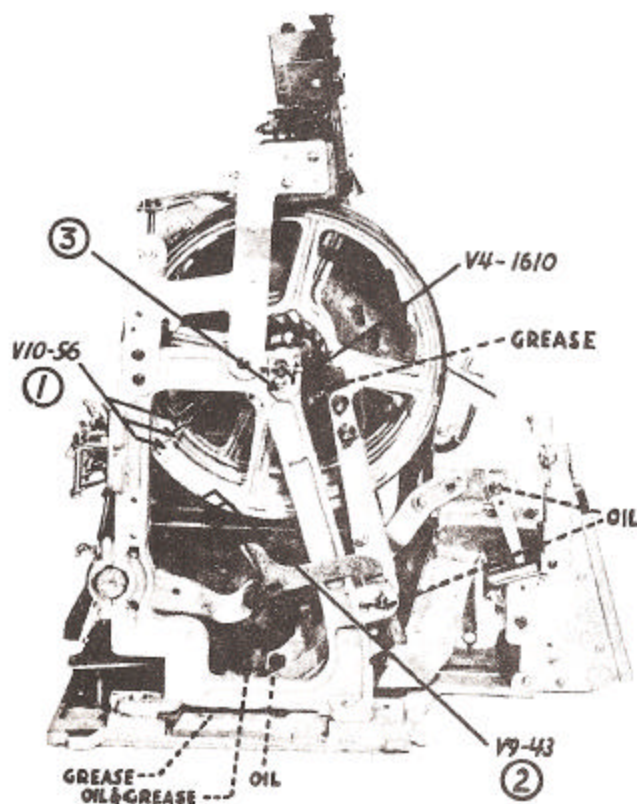
ESCALATOR PARTS

Be Sure and Specify 5-10-25¢ Machine

- V28-2 _____ Complete Escalator Assembly
- V17-18 CSP _____ Escalator coin chute
- V17-12 CSP _____ Clutch arm assembly
- V17-10 _____ Clutch sprocket
- V15-9 _____ Spacer for V4-154A CSP
- V14-485 _____ Spacer for V4-210A
- V14-472 _____ Shoulder stud
- V14-414 _____ Shoulder screw for V4-143 & V4-144
- V14-129 _____ Release arm stud
- V14-115 _____ Clutch arm stud roller
- V14-99 _____ Screw stud for V4-156
- V14-89 _____ Coin chute stud
- V14-88 _____ Chain drive stud
- V14-87 CSP _____ Neutralizing cam stud & stud assy.
- V14-79 _____ Sprocket
- V14-87a _____ Shld. rivet for V4-164 CSP

- V13-3 _____ Escalator endless roller chain
- V10-13 _____ Coin guide wire for V4-139
- V9-178 _____ Coil spring for V4-143 & V4-144
- V9-177 _____ Coil spring for V4-155A
- V8-176 _____ Coil spring for V4-156
- V9-175 _____ Coil spring for V4-209
- V9-23 _____ Clutch compression spring
- V9-16 _____ Coil spring for V4-163A
- V7-113 _____ Shims
- V5-17 - 5¢ _____ Coin chute cover
- V5-4A _____ Magnet cover
- V4-516 CSP _____ Tilting device brkt. (comp.)
- V4-294 _____ Cam safety lock lever ext.
- V4-293B CSP _____ Cam safety lock lever (comp.)
- V4-210A _____ Chain drive
- V4-209 _____ Coin chute return lever brkt.
- V4-177B _____ Magnet
- V4-176A _____ Penny Box

- V4-172A CSP _____ Neutralizing cam (comp.)
- V4-165 _____ Chain drive arm link for clutch arm
- V4-164 CSP _____ Cam stop lever ext. (comp.)
- V4-163A CSP _____ Cam stop lever (comp.)
- V4-159 _____ Chain guard
- V4-156 _____ Coin returning lever
- V4-155 _____ Mint lock lever release
- V4-154A CSP _____ Chain drive lever (comp.)
- V4-149 _____ Mint control shaft lever pin
- V4-147 _____ Feeler pin guide bracket
- V4-144 _____ Mint control shaft lever
- V4-143 _____ Feeler pin lever
- V4-142 CSP _____ Sprocket brkt. assembly
- V4-139 - 5¢ _____ Coin return lever



REEL ASSEMBLY

HOW TO CHANGE SPEED OF REELS

To make the reels spin slower tighten the tension on the brake wires (V10-56) see page 9, by loosening the wing nuts and turning the long screws upward until you have the desired tension. Be sure to tighten the wing nuts when through. To speed up the reels the long screws should be turned downward.

HOW TO REGULATE TIMING OF MECHANISM

The clock fan (V7-17BCSP) page 16, controls the length of time that the reels spin. Bending in the ends of the fan the slightest bit causes the Reels to spin for a shorter time. Straightening the fan allows the Reels to spin longer.

HOW TO REMOVE REEL ASSEMBLY

Remove the three brake wires (#1). As each brake wire must be returned to its original place, be sure you can distinguish one brake wire from another. Then remove coin tube overflow runway and jackpot. Disconnect springs on reel stop levers. (#2). Now remove round head machine screw, (#3). Turn the reel shaft to the left a few times and lift out. Do NOT remove the cotter key and reel shaft lock strap (V4-1610) fastened on end of reel shaft. The reel assembly can now be lifted from mechanism. Be sure fingers of vertical payout levers are backed away from reel discs.

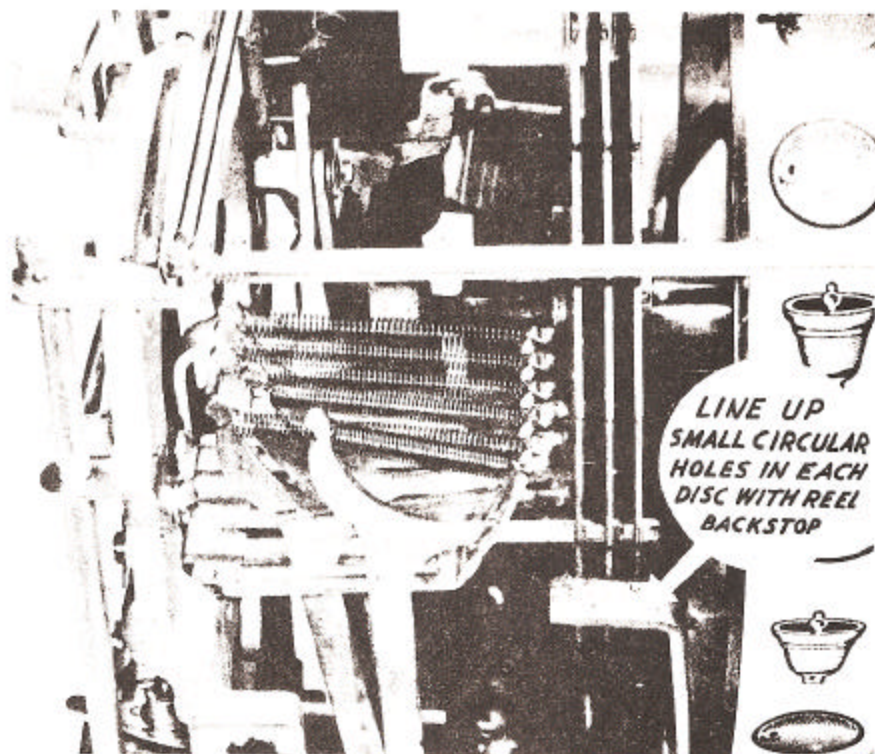
How to Remove Reel Strips

TO REMOVE REEL STRIPS

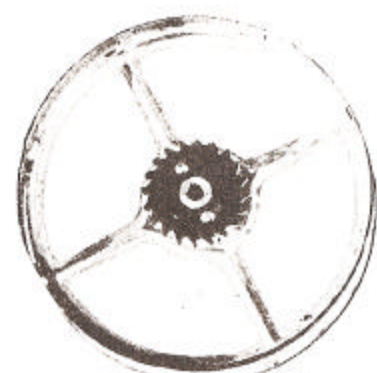
Line up the small circular holes in each disc just above the reel back stop as indicated in photo to right. Now turn the machine around and examine the reel strips where both ends meet. You will find the ends of all three reel strips are parallel with each other. Keep them in this position. Remove and replace one reel strip at a time and bring the ends of the reel strip together in line with the ends of the other two.

HOW TO ORDER REEL STRIPS

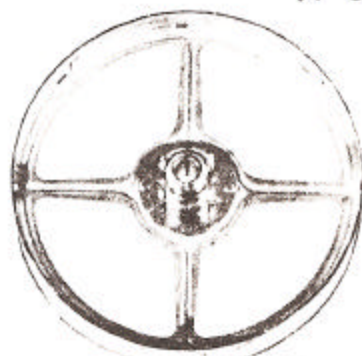
Each reel strip has a number located just above the spot where the ends of the reel strip come together on the reel. Locate this number first when ordering reel strips. If the number is obliterated, make a copy of the symbols on a strip of paper and mail with order.



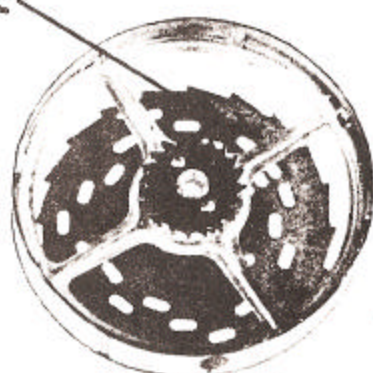
Reel Parts



V4-1541 'C' CSP



V4-1541 'B' CSP



V4-1541 'A' CSP

V14-405

V10-56



V10-64

V4-1610

WHEN ORDERING DISCS
SPECIFY REEL COMBINATION

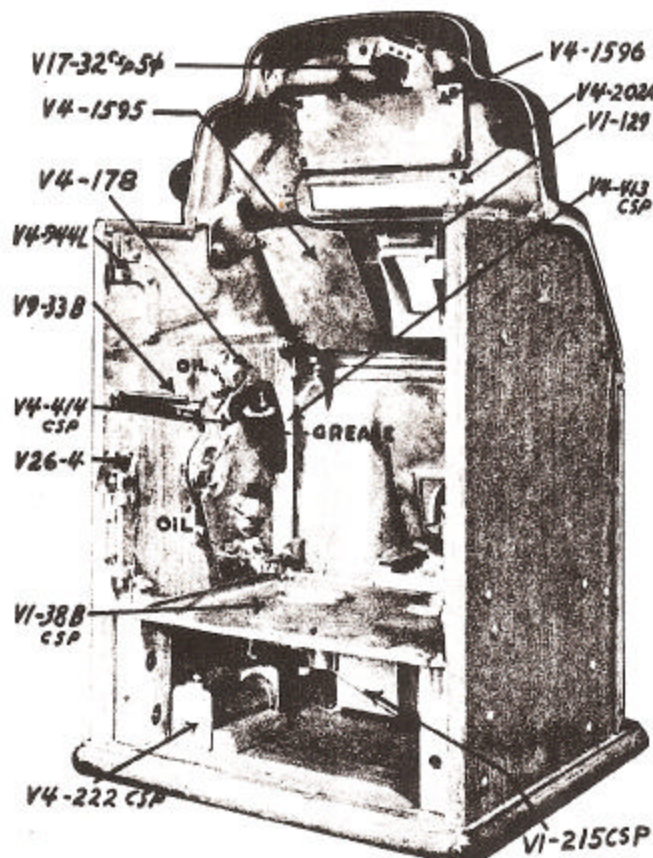


'B' DISC

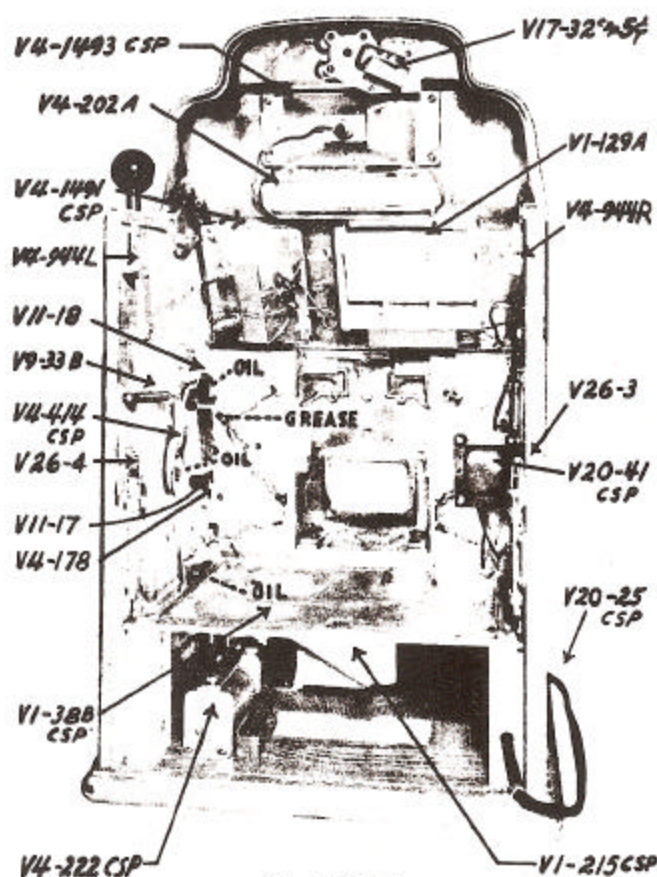


'C' DISC

CABINET PARTS



Standard Chief



Club Chief
(light-up)

REEL PARTS

Be Sure to Specify 5-10-25¢ Machine

V26-1A _____ Complete Reel Assembly

V14-405 _____ Reel Shaft

V10-84 _____ Reel Brake Band

V10-56 _____ Reel Brake Wire

V4-1810 _____ Cotter pin & spring brkt.

V4-1541A CSP _____ "A" Reel Assembly

V4-1541B CSP _____ "B" Reel assembly

V4-1541C CSP _____ "C" Reel assembly

V4-1478 CSP _____ Spider & Reel band assy.

V4-250A CSP _____ Twenty tooth ratchet assy.

V4-250A _____ Twenty tooth ratchet

V4-242A _____ "A" Reel disc (Specify Comb.)

V4-242B _____ "B" Reel disc (Specify Comb.)

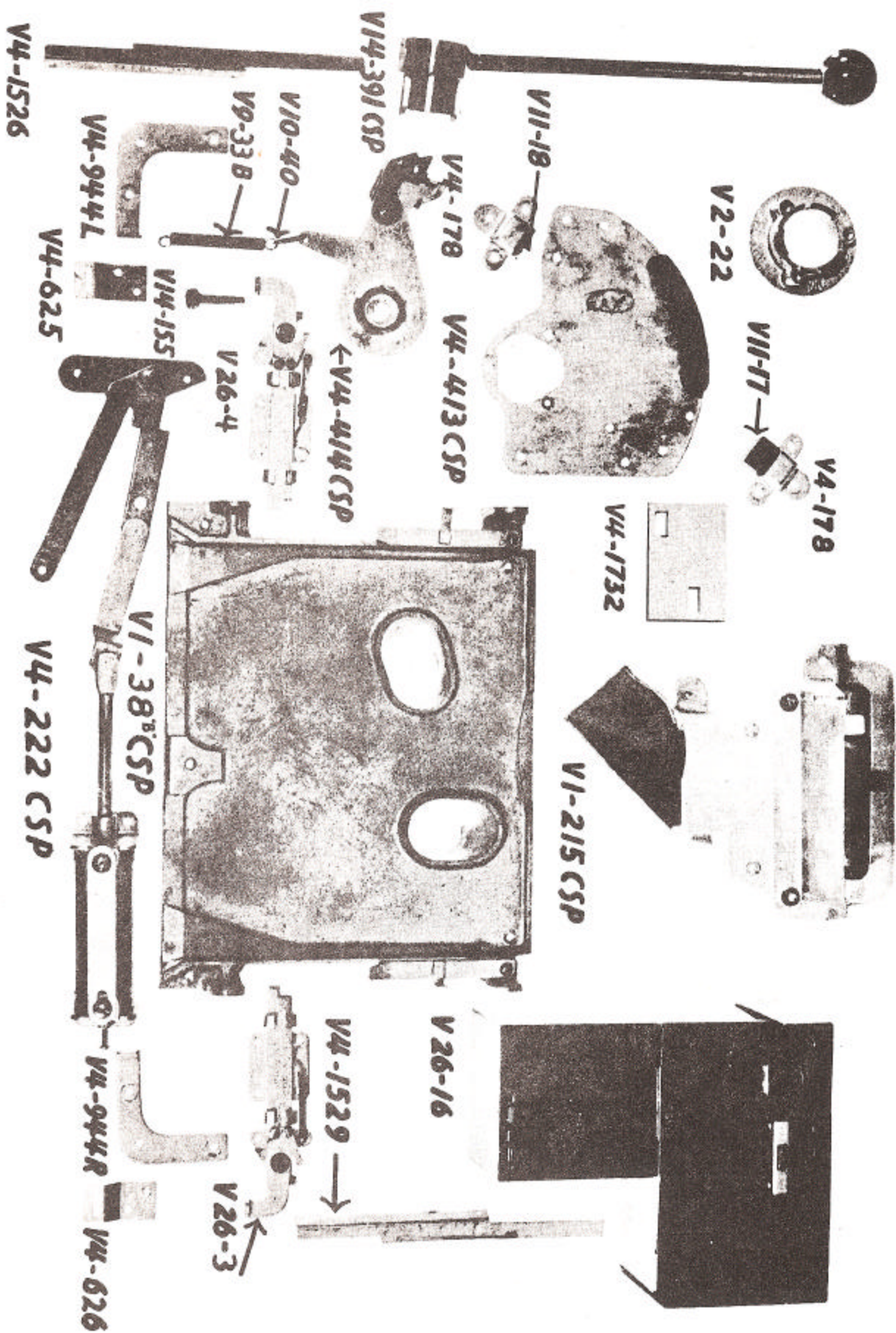
V4-242C _____ "C" Reel disc (Specify Comb.)

V4-242 BN CSP _____ "B" Reel disc assy.

V4-242 CN CSP _____ "C" Reel disc assy.

**BE SURE AND ORDER
ONLY GENUINE
JENNINGS CHIEF PARTS
FOR MAXIMUM
OPERATING EFFICIENCY
AND LONGER LIFE**

CABINET PARTS



CABINET PARTS

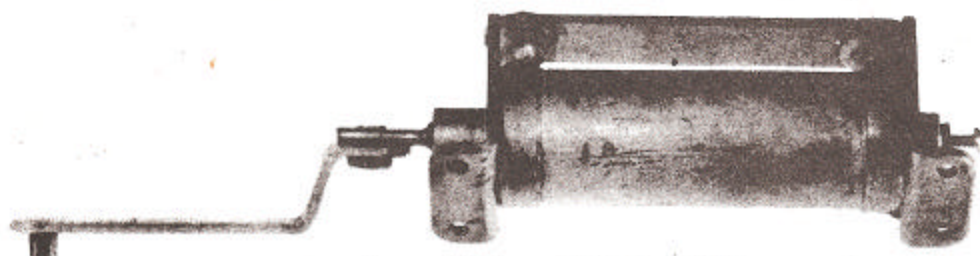
CABINET PARTS LIST

V26-16 _____	Cash Box	V10-40 _____	Handle return spring wire loop	V4-944R _____	Right cab. mtng. safety catch
V26-4 _____	Comp. left latch assy.	V10-23 _____	Handle hubbolt lock wire for V14-155	V4-944L _____	Left cab. mtng. safety catch
V26-3 _____	Comp. right latch assy.	V9-33B _____	Handle return spring	V4-754 CSP _____	Steel back door
V20-41 CSP _____	Transformer assy.	V8-28 _____	Award card glass	V4-626 _____	Left latch catch
V20-25 CSP _____	Cord & plug set assy.	V8-26 _____	Award card glass (club chief)	V4-625 _____	Right latch catch on cab.
V17-32 CSP 5¢ _____	Oval top coin chute runway assy.	V8-24 _____	Award card glass	V4-497 _____	Mech. base hold down plate for V1-38A
V14-515 _____	Stud for V4-414 CSP	V8-23 _____	Reel display glass	V4-415A CSP _____	Fast play lock dog assy.
V14-435 _____	Shldr. stud for V4-414 CSP	V8-9A _____	Coin display glass	V4-414 CSP _____	Handle operating cam assy.
V14-391 CSP _____	Handle shaft assy.	V4-1784 _____	Cab. bottom front corner brace	V4-413 CSP _____	Inside handle plate assy.
V14-391 _____	Handle shaft alt. for V14-160A	V4-1732 _____	Drill proof plate for V12-46 CSP	V4-222 CSP _____	Pump Assembly
V14-390 _____	Handle hub	V4-1596 _____	Standard Chief name plate glass holder	V4-202A _____	Coin display glass frame
V14-155 _____	Hub bolt for hub V14-390	V4-1595 _____	Standard Chief award card glass holder	V4-178 _____	Bumper housing
V12-75 _____	Chief Console Cabinet	V4-1529 _____	Cab. top right channel (Club Chief)	V2-22 _____	Handle collar
V12-74 _____	Gasket name plate glass	V4-1526 _____	Cab. top left channel (Club Chief)	V1-216 _____	Standard Chief front
V12-65 _____	Rear corner post left & right	V4-1524 _____	Name plate glass holder	V1-215 CSP _____	Check pocket assembly
V12-64 _____	L/F corner post for V12-46	V4-1523 _____	Award card glass holder	V1-207 CSP _____	Plastic front assembly
V12-63 _____	R/F corner post for V12-46	V4-1493 CSP _____	Name plate light hsg. assy.	V1-206 CSP _____	Oval top back assy.
V11-18 _____	Upper handle bumper	V4-1491 CSP _____	Reward card light hsg. assy.	V1-205 CSP _____	Club Chief oval top assy.
V11-17 _____	Lower handle bumper	V4-1257 _____	Adj. brkt. for V4-415A CSP	V1-129A _____	Club Chief reel display frame
V11-9 _____	Gasket for reel display glass			V1-129 _____	Standard Chief reel display frame
V11-8 _____	Gasket for escalator glass			V1-38B CSP _____	Aluminum base assembly
V11-7A _____	Black handle knob for V14-391 CSP				

FRAMES and GLASS PANELS

<p>V1-129 STD CHIEF V1-129A CLUB CHIEF</p>	<p>V11-9</p>	<p>V4-1595</p>	<p>V12-75</p>	<p>V4-1523</p>	<p>V12-74</p>	<p>V4-1596</p>	<p>V4-1524</p>	<p>V4-202A</p>	<p>V11-8</p>	<p>V4-1491 CSP</p>	<p>V4-1493 CSP</p>	<p>V8-23</p>	<p>STANDARD 15¢</p>	<p>V8-27 5¢</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-25 5¢</p>
<p>V8-28</p>		<p>V8-26</p>		<p>V8-24</p>		<p>Chief 5¢</p>	<p>V8-32 5¢</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-33 5¢</p>	<p>Standard Chief 5¢</p>	<p>V8-27 \$1.00</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-25 \$1.00</p>			
<p>V8-28</p>		<p>V8-26</p>		<p>V8-24</p>		<p>Chief 5¢</p>	<p>V8-32 5¢</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-33 5¢</p>	<p>Standard Chief 5¢</p>	<p>V8-27 \$1.00</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-25 \$1.00</p>			
<p>V8-28</p>		<p>V8-26</p>		<p>V8-24</p>		<p>Chief 5¢</p>	<p>V8-32 5¢</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-33 5¢</p>	<p>Standard Chief 5¢</p>	<p>V8-27 \$1.00</p>	<p>CLUB CHIEF 5¢</p>	<p>V8-25 \$1.00</p>			

PUMP PARTS



V4-222 CSP



V4-190 CSP



V4-188



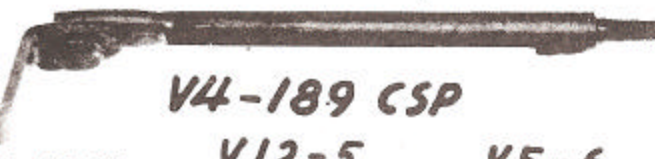
V4-186 CSP



V14-524 CSP



V4-197 CSP



V4-189 CSP

V4-1463



V12-5



V5-6



V4-690



PUMP PARTS

V4-222 CSP Complete Pump Assembly

V26-15 Drive arm & plate assy.

V14-524 CSP Pump brkt. (back) & cyl. assy.

V12-5 Pump sucker for V4-222 CSP

V5-71 Copper washer for pump brkt.

V5-6 Sucker compression spring

V4-1630 Small washer for pump assy.

V4-1463 Sucker clamp washer

V4-690 Washer

V4-197 CSP Drive arm plate assy.

V4-190 CSP Pump drive arm (complete)

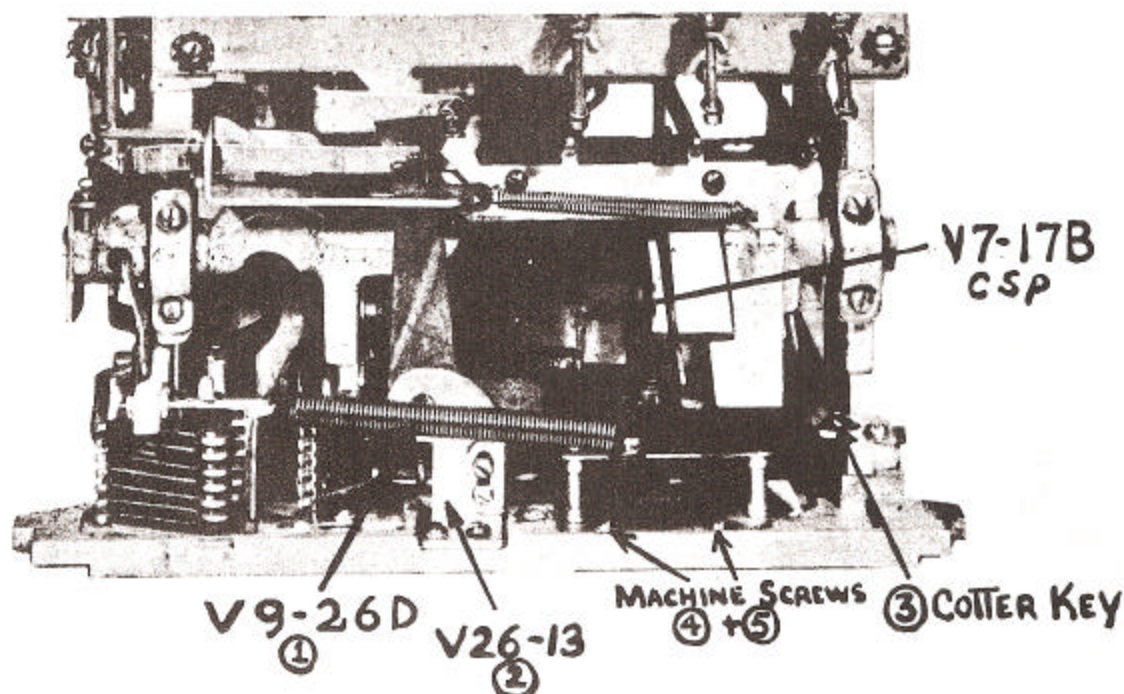
V4-189 CSP Piston rod link assy. (complete)

V4-188 Pump brkt. tie strap

V4-187 CSP Pump brkt. back assy. for V14-524 CSP

V4-186 CSP Pump brkt. front (complete)

CLOCK ASSEMBLY



THE CLOCK ASSEMBLY

The clock or governor may well be considered the heart of the Chief mechanism. All action is timed and controlled by the clock. It is of the utmost importance that this unit be in perfect working order at all times.

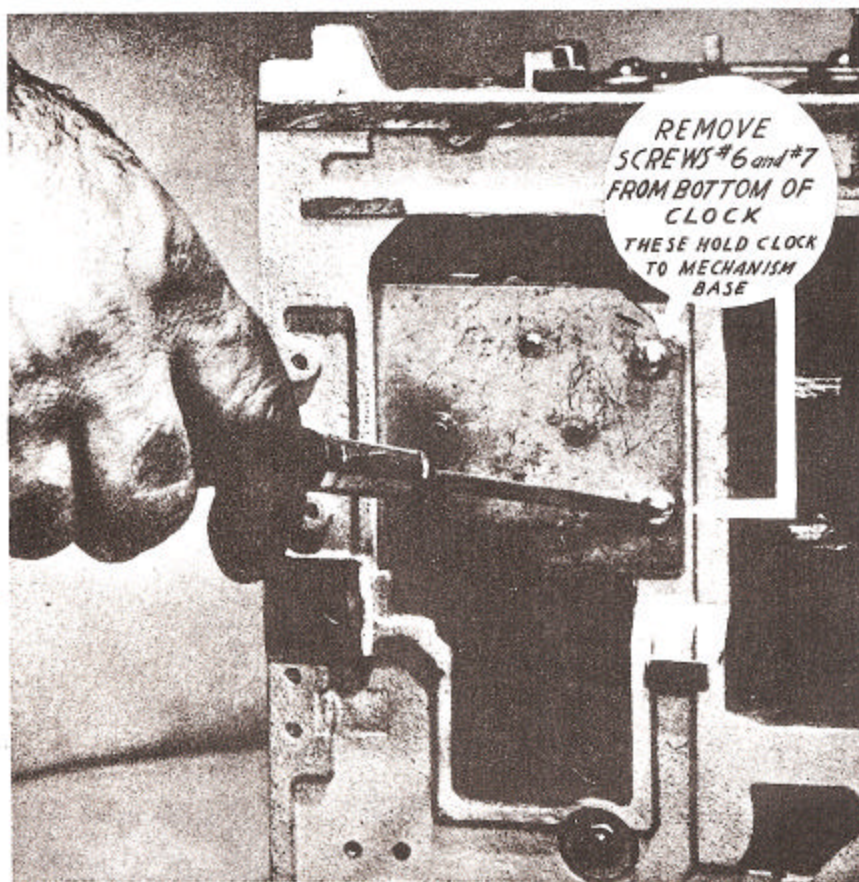
The fan shaft (V10-48CSP) and clock gears should be oiled frequently. Use a good grade of thin oil and apply a little oil to the teeth of the clock gears also. Use vaseline on the rollers coming in contact with the clock. When the clock becomes dirty it should be removed and thoroughly cleaned by soaking in a pan of carbon tetrachloride or any non-inflammable cleaning fluid. Wipe and oil before replacing.

TO REMOVE CLOCK

1. Detach main clock spring (Number 1) above.
2. Remove payout lever cam arm bracket assembly (Number 2) above.
3. Remove cotter key from clock arm (Number 3) above.
4. Remove the two large round head machine screws (Number 4 & 5) at rear of clock base. Now tip the machine forward and remove the two screws (Numbers 6 & 7) from the bottom that fasten the clock to mechanism base. Clock can now be lifted out.

Do not shorten the main clock spring (V9-26D) as the increased tension may strip clock gears or cause other damage to the clock.

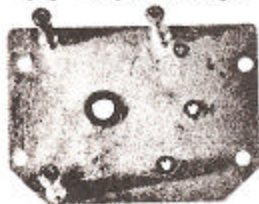
REMOVING THE CLOCK



CLOCK PARTS



V4-941A CSP



V4-941 CSP

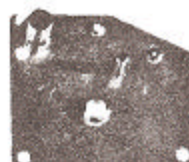


V4-1789

NOTE: V4-941A CSP AND V4-1789
REPLACE V4-941 CSP



V7-17B' CSP



V4-940 CSP



V5-49A-CSP



V4-820 CSP



V4-170D' CSP



V14-268 CSP



V4-1167

V10-48 CSP



V5-62 CSP



V5-37 CSP



V9-26'D'

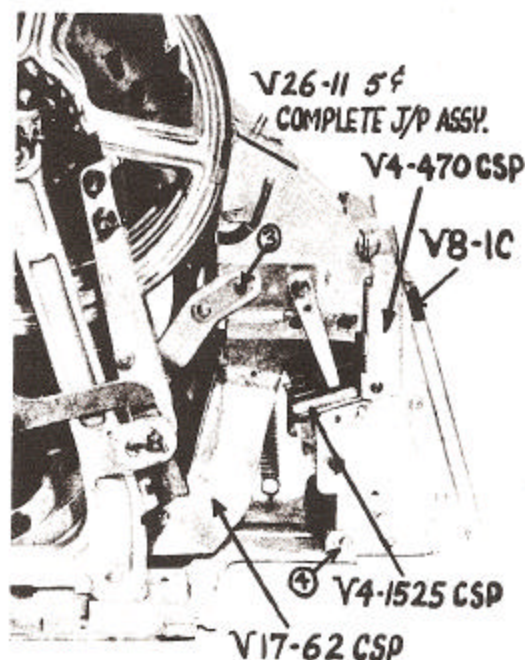
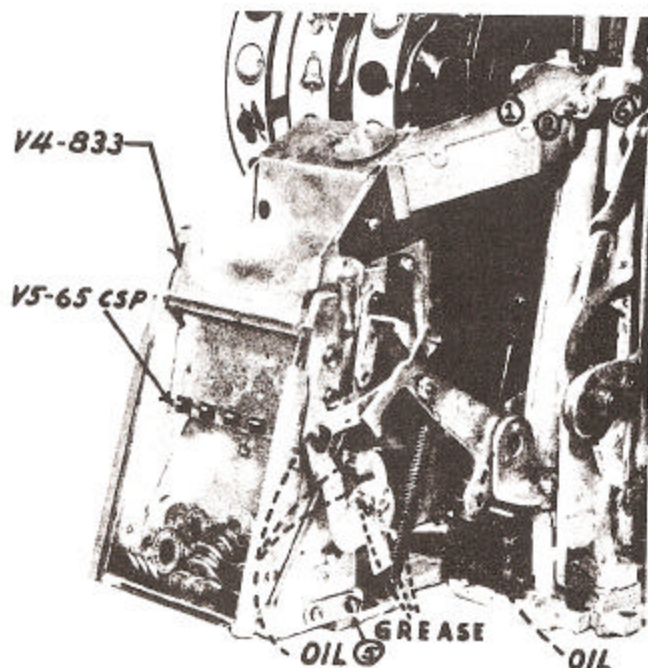
CLOCK PARTS

V4-820 CSP _____ Complete clock assembly

V14-268 CSP _____ Ratchet assy. for V4-820 CSP
V10-48 CSP _____ Fan shaft assy.
V9-102 _____ Clock ratchet spring for V5-49 CSP
V9-26D _____ Main clock spring
V7-17B CSP _____ Clock fan assy. (comp.)
V5-62 CSP _____ Medium gear assy. (comp.)
V5-49A CSP _____ Tooth clock gear & ratchet pawl assy. (comp.)

V5-37 CSP _____ Large clock gear (comp.)
V5-36B CSP _____ Large clock gear & hub assy.
V4-1789 _____ Large clock gear bushing
V4-1167 _____ Large gear hub washer for V4-820 CSP
V4-941 A CSP _____ Bottom plate assy.
V4-941 CSP _____ Bottom plate assy. (comp.)
V4-940 CSP _____ Top plate assy. (comp.)
V4-170 D CSP _____ Clock arm assy. (comp.)

JACKPOT ASSEMBLY



THE JACKPOT ASSEMBLY

For the convenience of adjustments and inspection, the Jackpot is attached directly to the mechanism. The Jackpot is fully automatic and self-loading. An ample reserve Jackpot instantly reloads the main Jackpot when the Jackpot dumps.

For directions on how to Load the Jackpot when setting up your machine, see page 4.

HOW TO REMOVE JACKPOT

Remove the two machine screws on the coin overflow runway, designated by Numbers 1 and 2. Then remove the three machine screws designated by Numbers 3, 4, 5, and lift the Jackpot out.

HOW TO REMOVE THE COIN TUBE

Remove the round head machine screw designated by number 6, and lift off the coin tube.

JACKPOT PARTS

Be Sure and Specify 5-10-25¢ Machine
 V26-11 Complete Jackpot Assembly
 V17-67 CSP J/P Housing door assy.
 V17-62 J/P Overflow runway
 V17-7 Reserve levers guide bracket
 V14-460 Shoulder Screw
 V14-443A Jackpot door shaft
 V14-409 CSP J/P Closing crank shaft assy.
 V10-19A Coin overflow flap hinge pin
 V8-203 Spring for V4-1592
 V9-183 Spring
 V9-173 5 Finger springs
 V9-170 Spring
 V9-55 Coil spring for V4-436C
 V8-1C Jackpot front glass

V7-89 J/P overflow opening cover
 V5-65 CSP Reserve lever assy.
 V5-20 CSP J/P Loading cover assy.
 V5-11A Jackpot reliner
 V4-1628 CSP J/P Cam guard & arm catch assy.
 V4-1525 CSP Reserve levers & guide brkt. assy.
 V4-1525 Reserve levers shelf guide
 V4-1490 J/P Guard
 V4-1459 CSP J/P Closing lever assy.
 V4-1419 CSP Tube to J/P runway assy.
 V4-943 Cleat to lock J/P in position
 V4-838B Side J/P opening filler plate
 V4-833 J/P glass hold down brkt.
 V4-801 CSP J/P Hang. & overflow assy.
 V4-894 Jackpot support bracket

V4-549 Jackpot overflow runway
 V4-456 J/P glass runway guide (right)
 V4-457 J/P glass runway guide (left)
 V4-456B CSP Cam guard & Hang. Assy.
 V4-455 CSP Reserve lever retng. arm (comp.)
 V4-438 CSP Coin overflow hang. cover assy.
 V4-436C Coin overflow hang. flap
 V4-435B CSP Coin overflow hang. (comp.)

JACKPOT OPENING & CLOSING ARRANGEMENT

V4-464A CSP J/P opening lever lock relief arm brkt. assy.
 V4-266D CSP J/P opening lever assembly

JACKPOT PARTS

V4-457L

V4-458 R

V8-1C

V4-435'B' CSP

V4-436C

V5-11A5†

V4-1490
SDX ONLY

V4-801 CSP

V17-67 CSP

V4-833

V4-1419 CSP

V9-183

V4-838 B

V7-69

V17-7

V4-1525

V4-1628 CSP

V10-19A

V14-409 CSP

V9-173

V5-65 CSP

V9-170

V4-943

V4-1459 CSP

V14-460

V4-455 CSP

V17-62

V4-549

RECENT JACKPOT ASSEMBLY CHANGES

RIGHT - SIDE
VIEW

V4-266 D CSP
J/P OPENING LEVER

V14-404 ROLLERS
SCREW STUD

V14-449A
ROLLER

V9-208 HAIRPIN COTTER
V4-1624 CSP
LATCH ARM TRIP LEVER ASS'Y

V14-427 BUSHING

V14-508 CSP
SHAFT & CAM ASS'Y.

V9-222
TORSION SPRING

V14-509
SHAFT

COTTER
KEY

V9-207
TORSION
SPRING

COTTER KEY

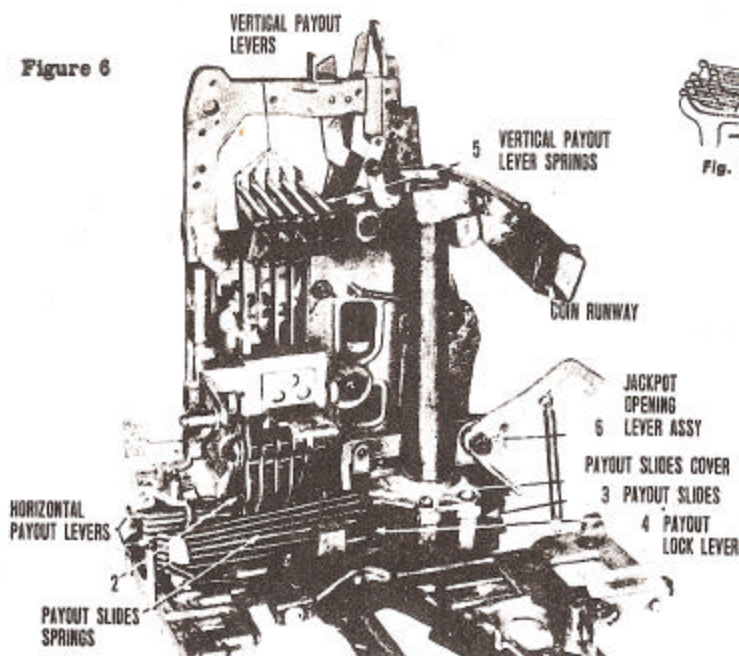
V17-67 CSP-DOOR ASS'Y

V4-1628 CSP
J/P CAM GUARD & ARM CATCH ASS'Y
V4-1627-LATCH ARM

BOTTOM
VIEW
with mechanism
lying on side

PAYOUT ASSEMBLY VERTICAL AND HORIZONTAL PAYOUT LEVERS

Figure 6



HOW TO CORRECT PAYOUT TROUBLE

If the payout unit fails to deliver the proper number of coins, or does not pay off, the trouble may come from several causes:

1. Examine (No. 1) and make sure the finger of the vertical payout lever is not binding against the side of the holes in the reel discs.
2. Make sure the spring on the vertical payout lever (No. 5) is not disconnected, broken or stretched.
3. Inspect the coin tube. It may be empty.

If this does not correct the source of the trouble, tilt the machine backward and examine the payout slides from the base of the machine. A coin may be lodged vertically in the payout slides.

THE PAYOUT SLIDES

Figure 6 illustrates the complete payout unit and also the vertical and horizontal payout levers. Study it closely. The vertical and horizontal payout levers and payout slides are closely related and work as a unit.

What happens when a winning combination appears on the reel symbols:

1. The finger of the vertical payout lever corresponding to the winning combination passes through the holes in the reel discs (No. 1).
2. The bottom of the vertical payout lever is forced against the side of the corresponding horizontal payout lever (No. 2).
3. This action releases the proper payout slide (No. 3) and permits the correct number of coins to fall into the cup.

EACH TIME THE MACHINE IS PLAYED THE PAYOUT SLIDES ARE RESET. Now take a look at (No. 4). This is the payout lock lever and its functions are very IMPORTANT! As the reels come to a stop the payout lock lever holds the slides forward long enough for the vertical payout lever to enter the holes in the discs and trip the horizontal payout lever that releases the payout slides. The payout lock lever at the point where it rests against the payout slides should be GREASED frequently to prevent binding.

REMOVING COINS JAMMED IN PAYOUT SLIDES

If a coin is lodged vertically in the payout slides do NOT take an ice pick or any sharp instrument to remove it. When examining the payout slides from the base of the mechanism, after tilting the machine backward, the delicate bronze springs on the payout slides are clearly visible. Be SURE you do not touch or scratch these springs. Any change in the adjustment of the bronze springs will cause more trouble.

Remove the coin runway and coin tube. For instructions on how to remove the coin tube and coin runway, see Page

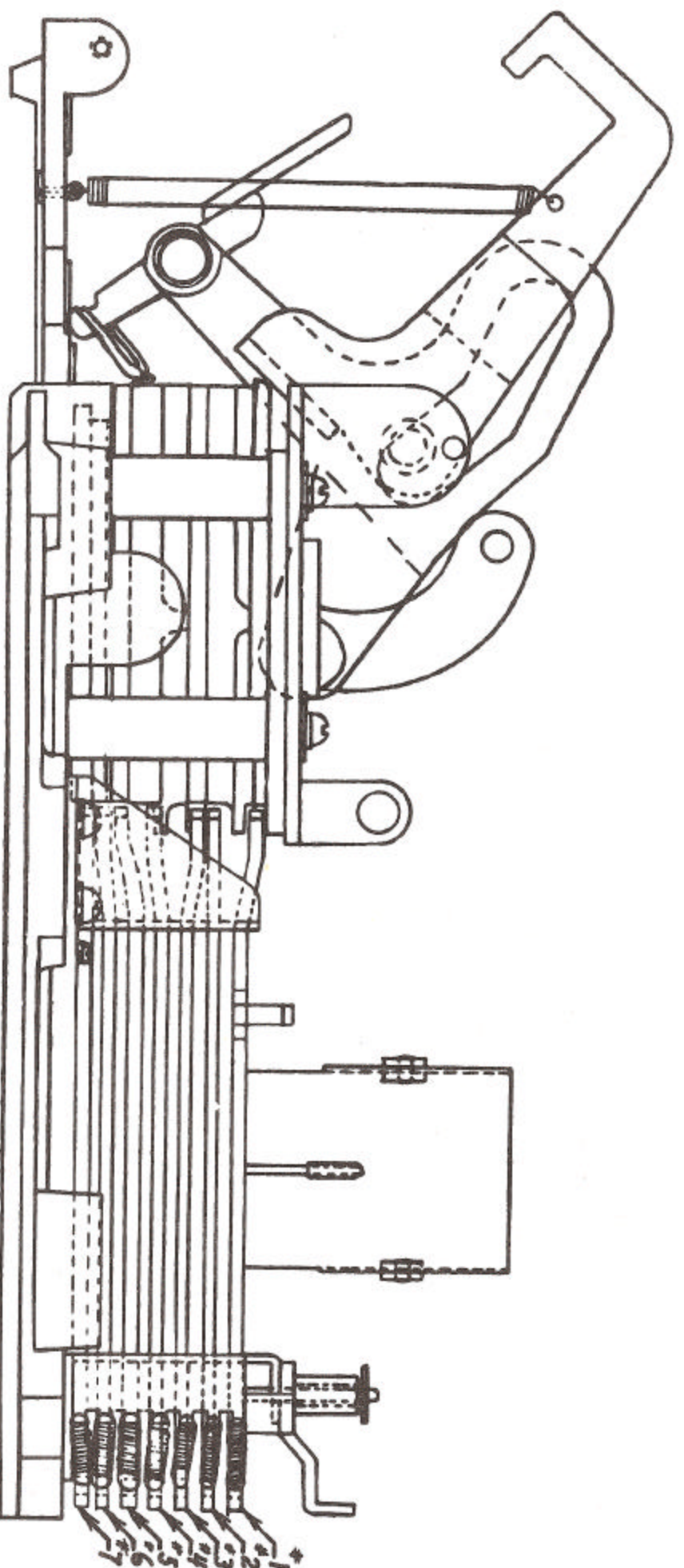
14. Now lift the jammed coins from the payout slides with your fingers. The payout slides should be removed and cleaned every few months by soaking in a pan of kerosene, then wiped dry with a clean rag and replaced.

HOW TO REMOVE THE PAYOUT SLIDES

1. With a pencil or scratch awl mark the exact position of the Jackpot opening lever assembly (V4-601A CSP where it fastens to the top of the payout slides cover. (Indicated by Number 6, Page 18).
2. Now remove coin runway by removing the two machine screws indicated by Numbers 1 and 2, page 14.
3. Next remove the Jackpot, see Page 14 for instructions.
4. Take off the coin tube by removing the round head machine screw designated by Number 6, page 14. Then remove the four screws holding the payout slides cover to the posts. Now turn the mechanism around and with a button hook or spring hook, unfasten the seven payout slide springs from the bracket at the rear of the mechanism. Payout slides will now come out without any difficulty. Be sure to keep them in proper order and to replace them in the same order.

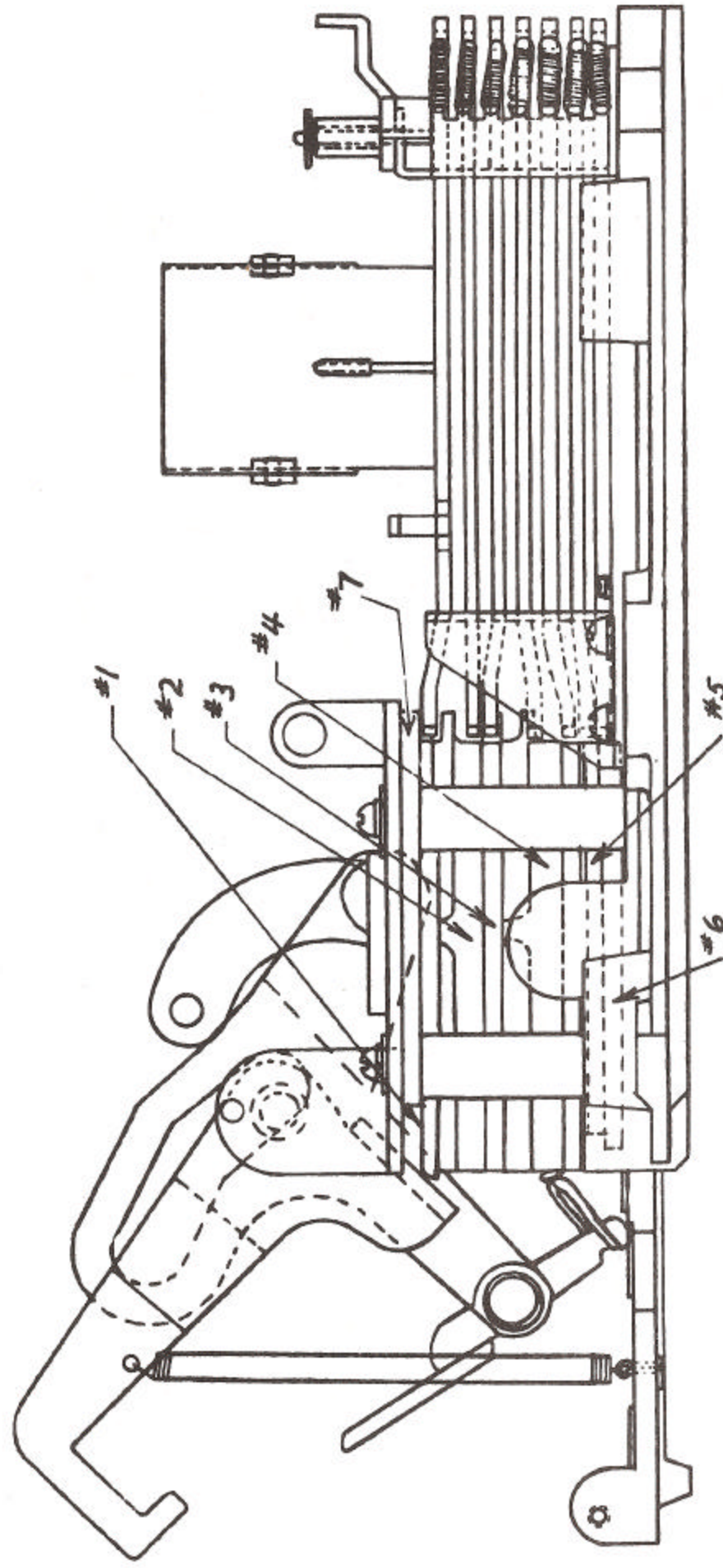
When ready to replace the slides, put each slide in, one at a time, starting from the bottom, and fasten each spring in place as you put the slide in. The spring on the second slide is heavier than the others and goes through the hole in the post that is directly behind the slides. This spring fastens to the opposite side of the bracket to which the other six springs are attached.

After all seven slides are in place and the springs properly secured, fasten the payout slides cover and the Jackpot opening lever assembly in position, taking care to line up your marks properly for the Jackpot opening lever assembly. Now, replace coin tube, making sure that rake-off arm goes through slot at top of tube. Replace all other parts and be sure the position of the Jackpot opening lever assembly (V4-601A) is lined up with your previous mark.



HORIZONTAL PAYOUT LEVERS

1¢	5¢	10¢	25¢	50¢	\$1.00
#1 V4-1501	#1 V4-1501	#1 V4-1501	#1 V4-1501	#1 V4-1565	#1 V4-699
2 V4-1559	2 V4-1502	2 V4-1557	2 V4-1558	2 V4-1566	2 V4-700
3 V4-1558	3 V4-1503	3 V4-1559	3 V4-1502	3 V4-1566	3 V4-700
4 V4-1559	4 V4-1522	4 V4-1557	4 V4-1559	4 V4-1558	4 V4-1574
5 V4-1504	5 V4-1504	5 V4-1060	5 V4-1060	5 V4-1584	5 V4-1573
6 V4-1505	6 V4-1505	6 V4-1505	6 V4-1505	6 V4-1585	6 V4-1505
7 V4-1506	7 V4-1506	7 V4-1506	7 V4-1506	7 V4-1506	7 V4-1506



PAYOUT SLIDES

5¢	10¢	25¢	50¢	\$1.00
#1 V4-522 - 5¢	#1 V2-58 - 10¢	#1 V2-58 - 25¢	#1 V3-60A CSP - 50¢	#1 V4-714 CSP
#2 V3-130 CSP - 5¢	#2 V3-140 CSP - 10¢	#2 V2-19 CSP - 25¢	#2 V3-31A CSP - 50¢	#2 V3-61 CSP
#3 V4-411 CSP - 5¢	#3 V4-860 CSP - 10¢	#3 V4-411 CSP - 25¢	#3 V4-411A CSP - 50¢	#3 V3-63 CSP
#4 V3-131 CSP - 5¢	#4 V3-141 CSP - 10¢	#4 V2-20 CSP - 25¢	#4 V3-32A CSP - 50¢	#4 V3-62 CSP
#5 V4-310A - 5¢	#5 V4-310A - 10¢	#5 V4-310A - 25¢	#5 V4-310A - 50¢	#5 V4-702 CSP
#6 V4-157 - 5¢	#6 V4-157 - 10¢	#6 V4-157 - 25¢	#6 V4-157A - 50¢	#6 V4-715
#7 V17-3 - 5¢ CSP	#7 V17-3 - 10¢ CSP	#7 V17-3 - 25¢ CSP	#7 V2-6A - 50¢ CSP	#7 V3-64 - 1.00

PAYOUT SLIDES AND LEVERS



V9-189



V9-174



V4-221A CSP

V14-475



V15-38 CSP 5/8



V4-266 CSP



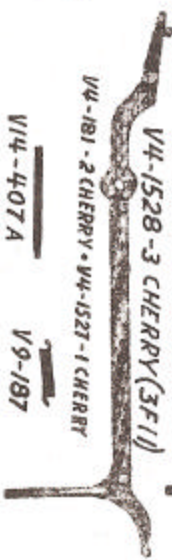
V4-464 CSP



V4-212



V9-204



V4-1528-3 CHERRY (3F11)
V4-181-2 CHERRY - V4-1527-1 CHERRY
V14-407A
V9-187

V4-182

V4-183

V4-184

V4-409



V4-1501



V4-1502



V4-1503



V4-1522



V4-1504



V4-1505



V4-1506



V4-1465



V4-1544



V4-513A CSP



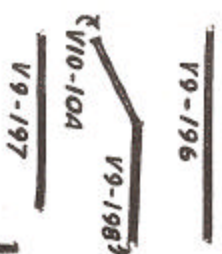
V14-487



V4-178



V4-601 CSP



V9-196



V4-1530



V9-1957



V4-1561



V4-140

When ordering slides or horizontal levers be sure to specify 5c - 10c - 25c machine

PAYOUT SLIDES AND RELATED PARTS

VERTICAL AND HORIZONTAL PAYOUT LEVERS, PAYOUT SLIDES AND RELATED PARTS

WHEN ORDERING SLIDES OR HORIZONTAL LEVERS

Be Sure to Specify 5-10-25¢ Machine

V17-3 _____ O. & E. Payout cover assy. 5¢
V15-38 CSP _____ Check tube assembly
V14-527 _____ Payout slide posts (4)
V14-500 _____ Payout slide guide for V2-70A CSP
V14-487 _____ Pin for V4-1544
V14-475 _____ Pin for operating bar
V14-437 _____ Shoulder Screw
V14-407A _____ Horz. levers stud
V14-381 _____ Shoulder stud
V10-49 _____ Holding pin
V10-10A _____ Extension pin
V9-215 _____ O. & E. slide cover spring
V9-214 _____ 2 Coin payout slide coin separator spring
V9-213 _____ Payout slide coin separator spring
V9-204 _____ Spring
V9-199 _____ Spring for V4-216A CSP
V9-198 _____ Spring for V4-310A
V9-197 _____ Spring for V4-157
V9-196 _____ Spring for V4-411, V3-130 V3-131
V9-195 _____ Spring for V4-140
V9-191 _____ Spring for top slide V4-522
V9-189 _____ Extn. springs (7) for horz. payout levers
V9-187 _____ Vert. lever springs (4) for V4-184, V4-183, V4-182 V4-1527
V4-411 _____ O. & E. 2-Coin payout slide
V4-409 _____ J/P Lever 2-Cherry payout
V4-310A _____ O. & E. Bottom payout slide
V4-266 CSP _____ J/P Opening lever assy.
V4-221A CSP _____ Vert. lever lift brkt. assy.
V4-216A CSP _____ Payout lock lever assy.
V4-212 _____ Rake off arm
V4-211 CSP _____ Timing bar
V4-184 _____ 18 Coin lever 1 & 2 cherry payout
V4-183 _____ 13 Coin lever 1 & 2 cherry payout
V4-182 _____ 11 Coin lever 1 & 2 cherry payout
V4-181 _____ 3 & 5 Coin lever - 2 Cherry payout
V4-178 _____ Handle cam bumper hang.
V4-157 _____ Payout lock slide

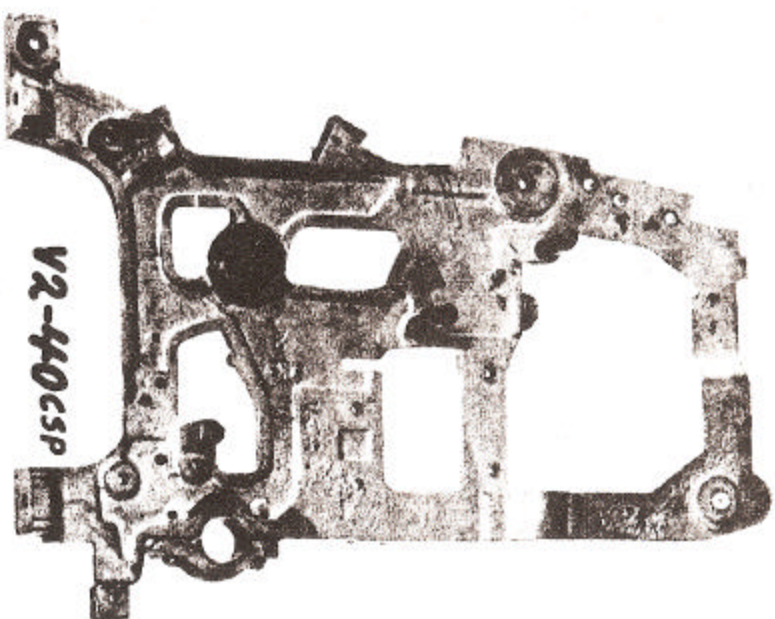
V4-140 _____ Bumper lever release arm
V3-131 CSP _____ O. & E. 6-Coin payout slide assy.
V3-130 CSP _____ O. & E. 5-Coin payout slide assy.
V2-70A CSP _____ Complete payout base assy.
V2-7A CSP _____ Base & posts assembly
V9-175 _____ Coil spring connecting V4-409 to V4-1501
V9-174 _____ Vert. lever spring (1) for V4-409
V7-113 _____ Washer
V4-1561 _____ Payout springs brkt.
V4-1560 _____ Washer
V4-1555 _____ Upper vert. levers guide brkt.
V4-1544 _____ Vert. lever hinge brkt.
V4-1530 _____ Brkt. to guide payout levers
V4-1528 _____ 3 & 5 Coin lever (3F11) - 3 cherry payout
V4-1527 _____ 3 & 5 Coin lever - 1 Cherry payout
V4-1522 _____ Horz. payout lever - 11 coin
V4-1506 _____ Horz. shutter slide payout lever
V4-1505 _____ Horz. payout lever - 3 coin
V4-1504 _____ Horz. payout lever - 5 coin
V4-1503 _____ Horz. payout lever - 13 coin
V4-1502 _____ Horz. payout lever - 18 coin
V4-1501 _____ Horz. payout lever J/P
V4-1468 _____ Reel levers support brkt.
V4-1465 _____ Horz. levers guide brkt.
V4-601 CSP _____ J/P Opening lever assy.
V4-522 _____ Top payout slide
V4-513A CSP _____ Check tube unloading arm assy.
V4-501 _____ Vert. payout levers stop brkt.
V4-464 CSP _____ J/P lock lever brkt. assy.
V4-453 _____ Connecting link
V4-411 CSP _____ O. & E. 2-Coin payout slide assy.

VERTICAL PAYOUT LEVERS FOR TIC TAC TOE

5¢ - 10¢ - 25¢ - 50¢

V4-409 _____ Jackpot Lever
V4-1527A _____ 3 & 5 Coin Lever
V4-184A _____ 18 Coin Lever
V4-184 _____ 18 Coin Lever
V4-183 _____ 13 Coin Lever
V4-182 _____ 11 Coin Lever

RIGHT SIDE FRAME AND ATTACHMENTS



FRAME & ATTACHMENTS

● LEFT SIDE FRAME BASE AND ATTACHMENTS ●

- V15-70 _____ Stop lever bushing
- V14-408 _____ Reel stop lever shaft
- V14-400 _____ Reel spinner shaft
- V10-49 _____ Reel spinner shaft holding pin
- V9-199 _____ Spring for V4-216A CSP
- V9-187 _____ Spring
- V9-150 _____ Spring
- V9-93 _____ Spring for V4-468 CSP
- V9-43 _____ Reel stop lever springs
- V4-1609 _____ Reel stop lifter arm
- V4-1477A CSP _____ Comp. "A" Reel stop lever assy.
- V4-1477B CSP _____ Complete "B" Reel stop lever assy.
- V4-1477C CSP _____ Comp. "C" Reel stop lever assy.
- V4-468 CSP _____ Comp. reel spinner
- V4-464 _____ I/P lock lever brkt.
- V4-463 CSP _____ I/P support brkt. assy.
- V4-463 _____ Clock & timing bar conn. link
- V4-216A _____ Payout lock lever assy.
- V4-211 CSP _____ Timing bar assembly
- V2-7A CSP _____ Chief base assembly
- V2-3A CSP _____ Left side frame assy.
- RIGHT SIDE FRAME AND ATTACHMENTS ●
- V14-460 _____ Shldr. screw for V4-1534
- V14-415A _____ Feeler shaft drive lever shldr. screw
- V14-414 _____ Shldr. screw for coin separator lever
- V14-413 _____ Lock lever shldr. screw
- V14-399 _____ Pawl for side frame
- V9-200 CSP _____ Push lever spring assy.
- V9-192 CSP _____ Coil spring assy.
- V9-187 _____ Spring for V2-57
- V9-35 _____ Operating arm spring
- V9-27A _____ Operating lever conn. link spring
- V4-1629 _____ Push Lever
- V4-1587 _____ Rod guide brkt.
- V4-1547 CSP _____ No-pay-on-check brkt. assy.
- V4-1534 CSP _____ Arm assy. for reloading machine
- V4-723 _____ Spring pull clip
- V4-864 CSP _____ Coin operating lever conn. link assy.

- V4-353 CSP _____ No-pay-on-check lock lever assy.

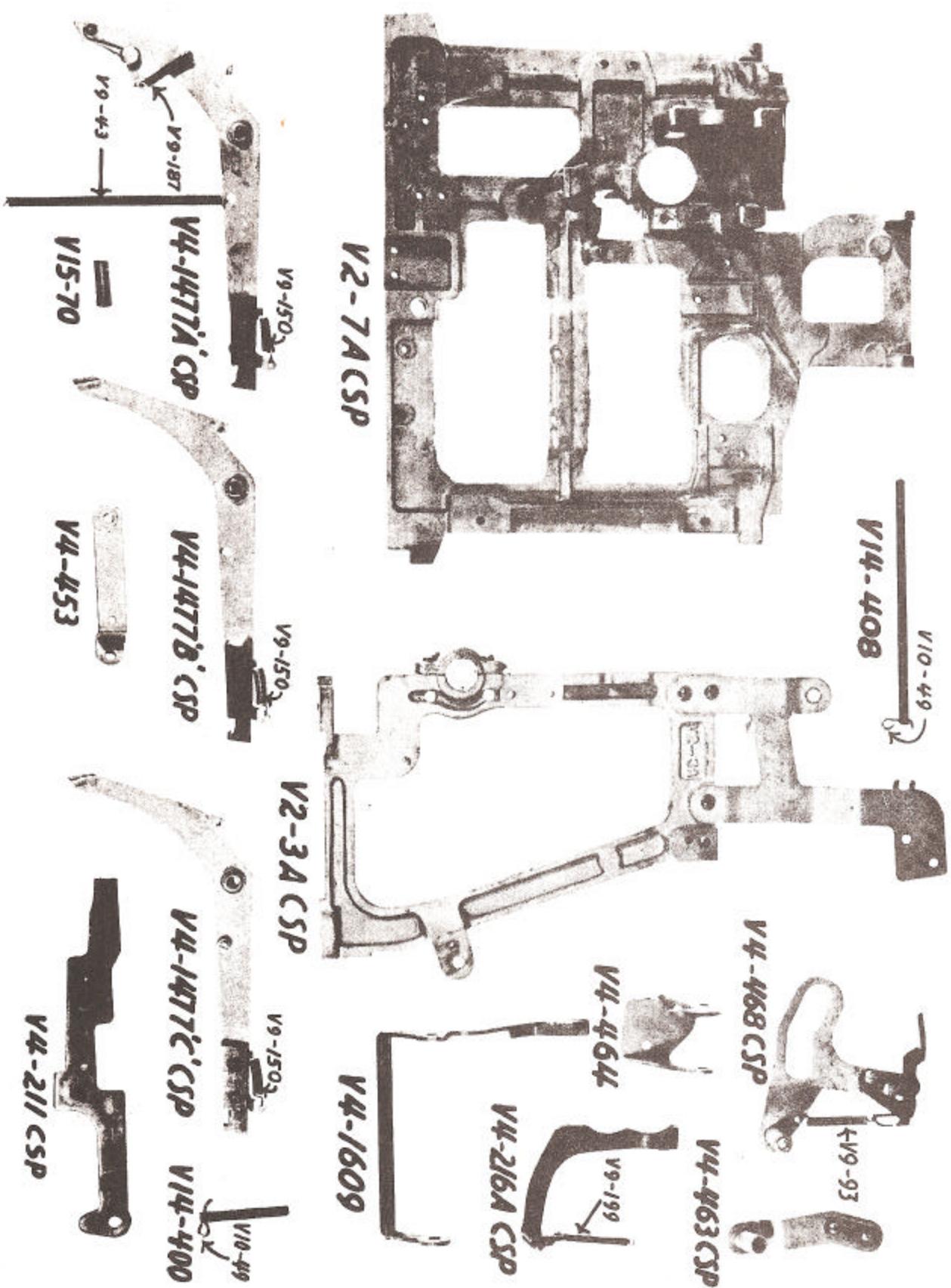
- V4-285 _____ Spring hook
- V4-253 CSP _____ Non-repeating arm assy.
- V4-196 CSP _____ Peeler shaft drive lever assy.
- V4-175 CSP _____ Mint control lever assy.
- V4-162 CSP _____ Coin separator lever assy.
- V4-153 _____ Coin operating lever link extension
- V2-57 _____ Lock Lever
- V2-50 CSP _____ Main drive lever assy.
- V2-40 CSP _____ R/S frame assy.
- V2-10 _____ Lock Lever

● FRAME ATTACHMENTS REAR OF MECHANISM ●

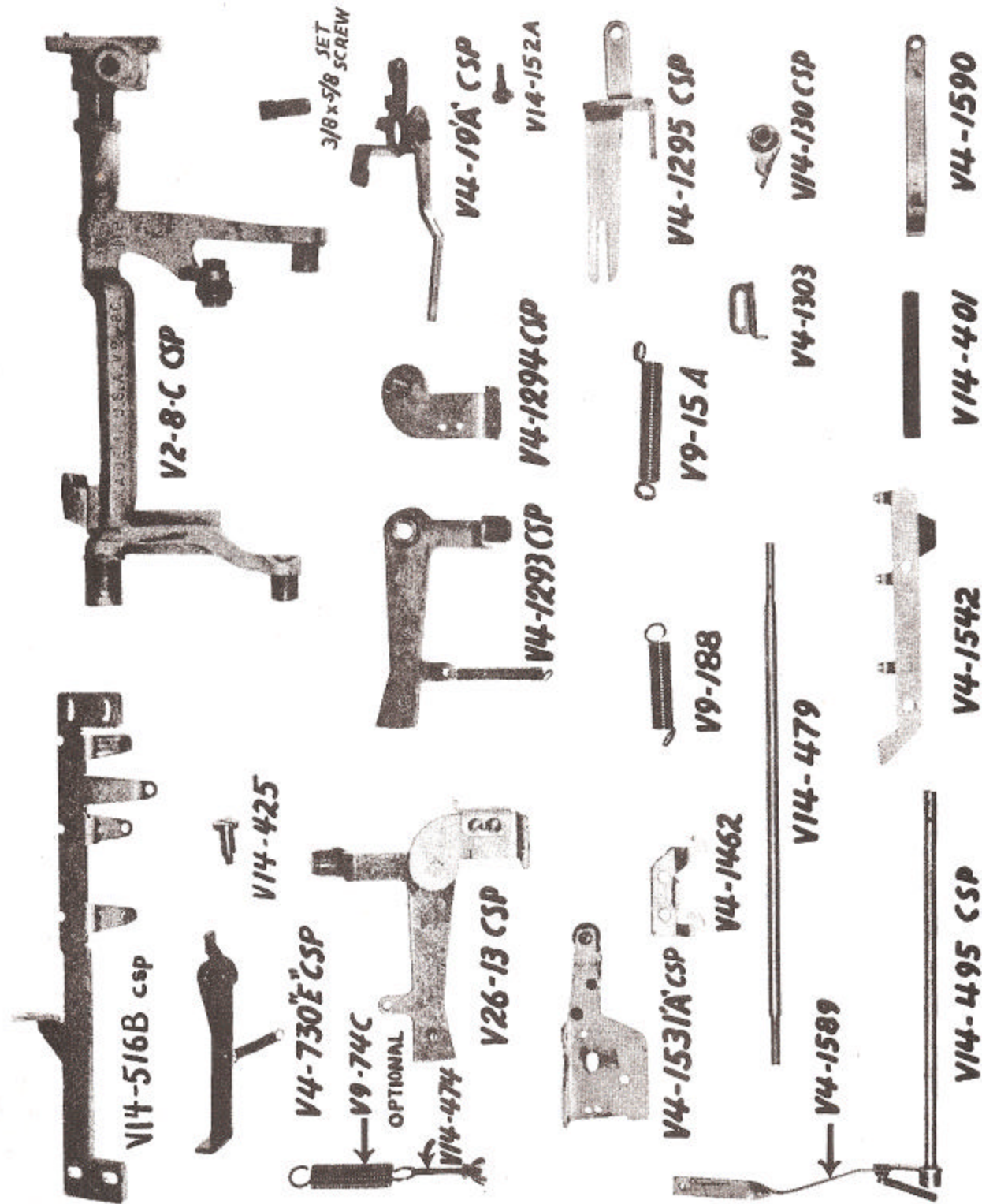
- V28-13 CSP _____ Payout lever cam arm & brkt. assy.
- V14-495 CSP _____ Shaft Assembly
- V14-479 _____ Bracer Shaft
- V14-474 _____ Adj. spring hook for reel drive sector
- V14-425 _____ Shldr. screw for payout & disc back stop arm
- V14-401 _____ Main operating lever lift pin
- V14-152A _____ Speed lock shldr. stud for V2-8C
- V14-130 CSP _____ Coin escapement release arm hub assy.
- V9-188 _____ Short slide push rod spring
- V9-74C _____ Reel spinner helper spring
- V9-15A _____ Slide push rod spring
- V4-1590 _____ Cam arm lever
- V4-1589 _____ Rod bracket lever
- V4-1542 _____ Reel stop lever spring brkt.
- V4-1531A CSP _____ Fork assy. for V2-8C
- V4-1303 _____ Payout lever cam arm adjuster
- V4-1462 _____ Operating fork springs hook
- V4-1295 CSP _____ Payout lever cam arm guide assy.
- V4-1294 CSP _____ Payout lever cam arm brkt. assy.
- V4-1293 CSP _____ Payout lever cam arm assy.
- V4-730E CSP _____ Disc back spin stopping lever assy.
- V4-605 _____ Side frames horz. brace
- V4-19A CSP _____ Payout push rod safety arm assy.
- V2-8C CSP _____ Main operating lever assy.

• SEE PHOTOS •

LEFT SIDE FRAME , BASE AND ATTACHMENTS



FRAME ATTACHMENTS - REAR OF MECHANISM





**Producing the
finest coin machines
for over Forty Years**