

THE MINNESOTA VOTING MACHINE COMMISSION

Report of Examinations made December 17, 1937, and January 11, 1938, of the Jamestown Automatic Voting Machine manufactured by the Automatic Voting Machine Corporation of Jamestown, New York.

We, the undersigned members of the Minnesota Voting Machine Commission, do hereby certify that on December 17, 1937, and January 11, 1938, we examined a Jamestown Automatic Voting Machine manufactured by the Automatic Voting Machine Corporation of Jamestown, New York, of the kind or type described in Exhibit A hereto attached, as to its compliance with the requirements of the law and on its accuracy, durability, efficiency and capacity to register the will of the electors, and we hereby certify that in our opinion the machine so examined complies with the requirements of the law and particularly of Chapter 267, Laws of 1905, as amended, authorizing the use of voting machines at elections in the State of Minnesota, possesses accuracy, durability, efficiency and capacity to register the will of the electors and can be used safely at elections in this state under the conditions prescribed by said Chapter 267, Laws of 1905, as amended, and by all other pertinent laws of the state.

Dated at St. Paul,
Minnesota, this 15th day
of January, 1938.

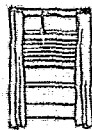
Respectfully submitted,

William S. Corwin

John A. Hartquist

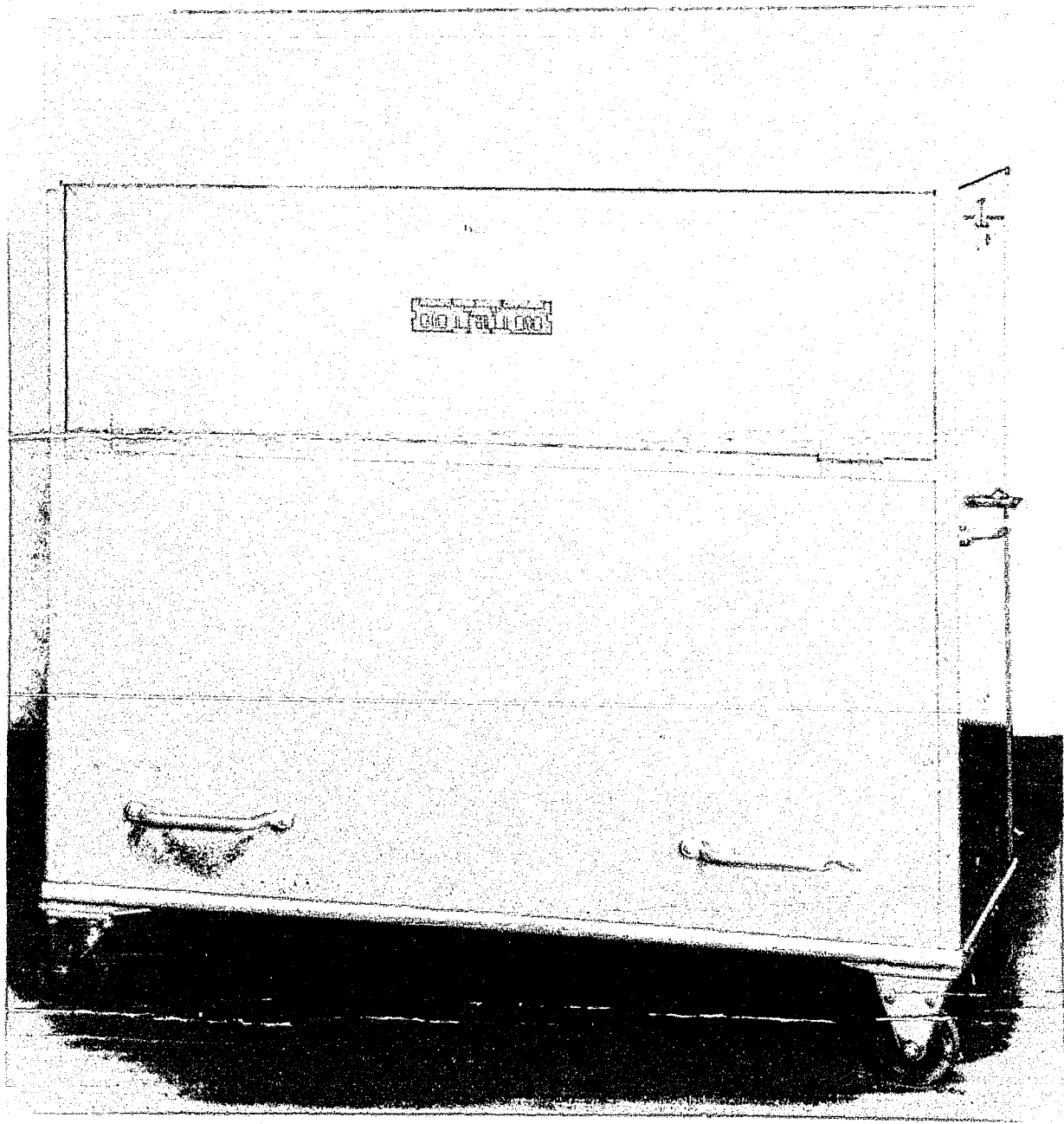
Philip S. Van Wyck

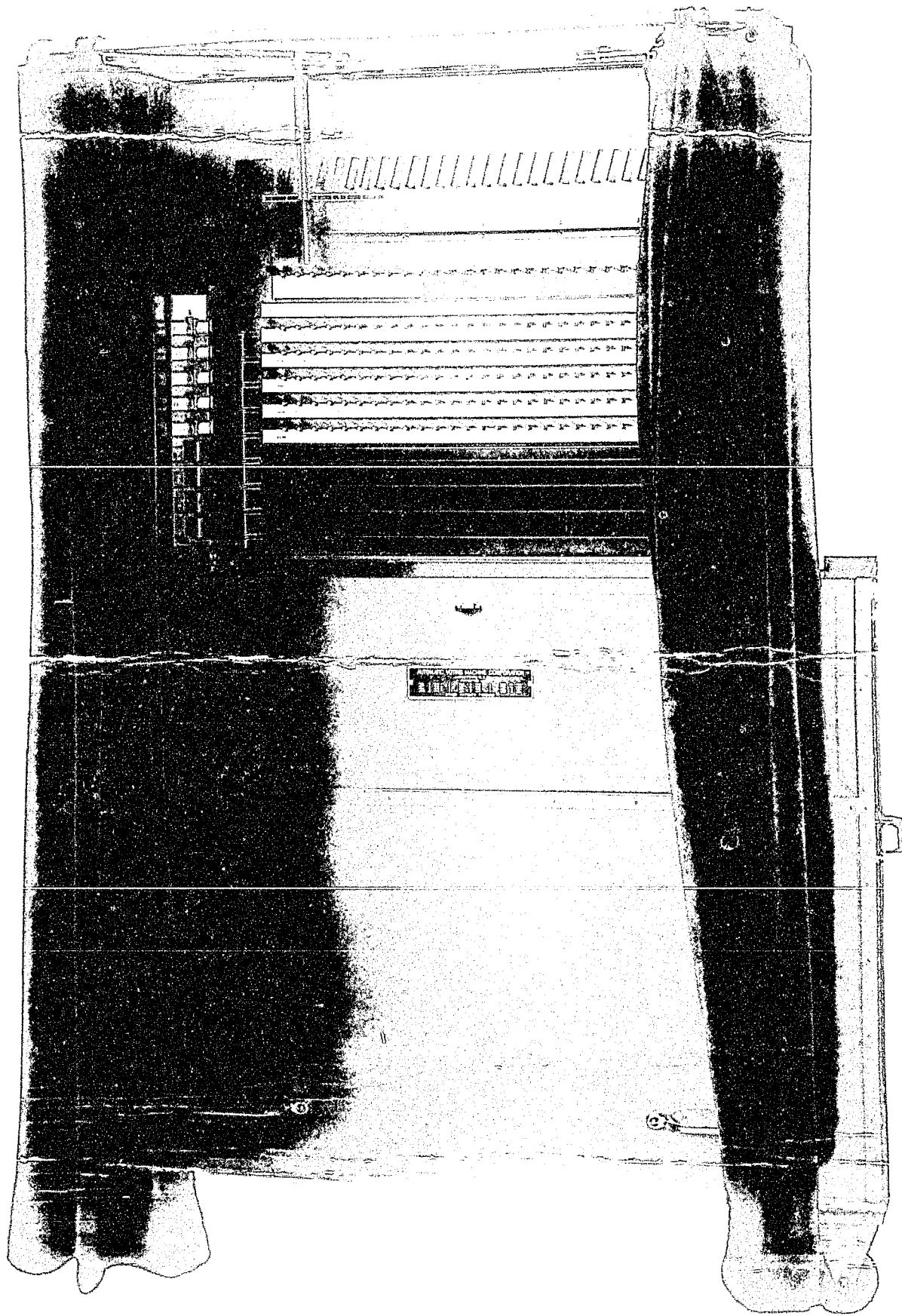
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Voting
Machine
Commission

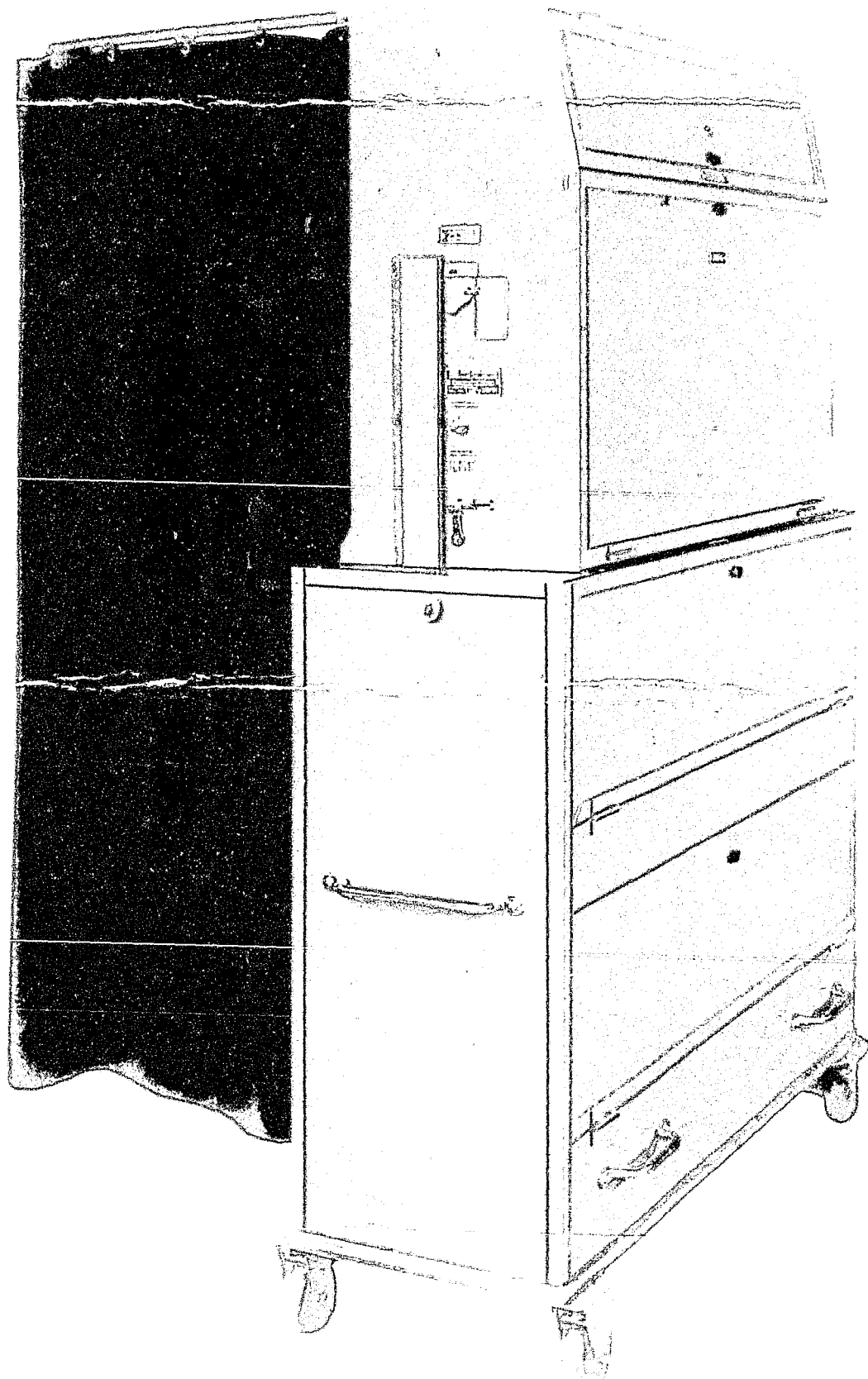


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CONSTRUCTION

THE MAIN CASE IS CONSTRUCTED FROM SHEET STEEL OF THE PROPER GAUGE.

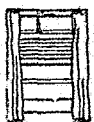
THIS CASE FORMS THE HOUSING FOR THE COUNTING MECHANISM AND OTHER MOVING PARTS. THESE PARTS ARE ACTUATED BY CAMS AND LEVERS TIMED TO FUNCTION PROPERLY.

ALL MOVING PARTS ARE RIVETED OR WELDED IN PLACE.

NO SCREWS ARE USED IN THE CONSTRUCTION OF THE AUTOMATIC VOTING MACHINE, AND ONLY 16 BOLTS WITH NUTS.

EACH COUNTER SECTION CONTAINS TEN SETS OF COUNTER WHEELS WITH THE NECESSARY MECHANISM TO OPERATE THE CAMS. THERE IS ONE SECTION FOR EACH OFFICE COLUMN OR VERTICAL ROW.

THE MACHINE IS MOUNTED IN A METAL CASE IN WHICH THERE IS A HOISTING DEVICE TO RAISE AND LOWER THE MACHINE. THE CONSTRUCTION OF THE CASE IS OF HEAVY GRADE SHEET STEEL, PROPERLY BRACED TO SUPPORT THE MACHINE. THE THREADED SHAFTS ARE ACCURATELY MACHINED AND ARE SUPPORTED BY TWO THRUST BEARINGS. SIX STEEL MACHINED GEARS ARE USED IN THE CONSTRUCTION OF THE HOISTING DEVICE. THE CASE IS MOUNTED ON TWO SWIVEL AND TWO STATIONARY CASTERS, 4 INCHES IN DIAMETER.



MATERIAL SPECIFICATIONS

BRASS, BRONZE, ALUMINUM AND STEEL ARE THE PRINCIPAL COMPONENTS IN THE FABRICATION OF OUR MACHINE. THE OUTER CASE, DOORS AND FRAME ARE MADE OF FULL PICKLED, COLD ROLLED, SPECIAL GRADE, PRIME FINISH SHEET STEEL, MADE TO OUR RIGID SPECIFICATIONS. THE INTERIOR OPERATING MECHANISM IS MADE PRINCIPALLY OF BRIGHT COLD ROLLED STRIP STEEL, SPECIAL ANALYSIS, TEMPER FINISH.

BEARINGS. THE MAIN BEARINGS ARE ALL SELF LUBRICATING. THEY ARE MADE OF CAST BRONZE ALLOY, TO OUR EXACTING REQUIREMENTS.

LOCKS. THE MAIN LOCK WHICH CONTROLS THE COUNTER OPERATING MECHANISM IS OF THE YALE PATTERN, 5 TUMBLER CONSTRUCTION. THE REMAINING LOCKS ARE ALL MADE FROM CAST BRONZE, EXTRA HEAVY CONSTRUCTION, FLAT BUMBLER TYPE, WITHOUT ANY STEEL PARTS. KEYS ARE STAMPED FROM GERMAN SILVER AND ARE OF OUR OWN SPECIAL PATTERN.

COUNTERS. THE COUNTER WHEELS ARE DIE CAST OF A SPECIAL ALLOY METAL, MADE ACCORDING TO OUR OWN DESIGN AND USED EXCLUSIVELY IN OUR VOTING MACHINE.

PAPER. FOR RECORDING THE VOTE FOR PERSONS NOT REGULARLY NOMINATED ON THE BALLOT. THIS IS A SPECIAL GRADE OF ROPE MANILA PAPER, COMPOUNDED TO OUR FORMULA AND ROLLED TO EXACT THICKNESS TO OPERATE PROPERLY IN CONNECTION WITH THE MECHANISM FOR IDENTIFYING THE VOTER'S POLITICAL CHOICE IN A PRIMARY ELECTION.

HANDLES. THE HANDLES FOR MOVING MACHINE ARE ALL DROP FORGED STEEL, CHROME NICKEL PLATED.

GUARANTEE AND SERVICE

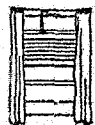
GUARANTEE

WE WILL, WITHOUT COST TO THE MUNICIPALITY MAKE GOOD, BY REPAIR OR REPLACEMENT, FOR FIVE YEARS ANY IMPERFECTIONS OR DEFECTS IN MATERIAL OR WORKMANSHIP IN SAID MACHINES, PROVIDED SAID MACHINES SHALL BE PROPERLY CARED FOR AND PROPERLY PREPARED FOR ELECTIONS, AND PROVIDED SUCH REPAIR OR REPLACEMENT IS NOT RENDERED NECESSARY BY THE ELEMENTS, FIRE, ACCIDENT, OR THROUGH CARELESSNESS OR MALICIOUS HANDLING.

SERVICE

WE WILL FURNISH FREE WITH SAID MACHINES THE NECESSARY PRINTED DIRECTIONS FOR THE CARE AND PREPARATION OF THE MACHINES FOR ELECTIONS, AND THE WRITTEN OR PRINTED INSTRUCTIONS TO ELECTION OFFICERS FOR PREPARING AND CONDUCTING THE FIRST ELECTION AT WHICH THE MACHINES ARE TO BE USED.

WE WILL AT OUR OWN EXPENSE SEND A REPRESENTATIVE TO THE MUNICIPALITY BEFORE THE FIRST ELECTION AT WHICH THE MACHINES ARE TO BE USED, TO INSTRUCT THE PERSONS WHO WILL HAVE CHARGE OF THE MACHINES, SO THAT SUCH PERSONS CAN PROPERLY INSTRUCT THE ELECTION OFFICERS AND VOTERS IN THEIR USE.



MANUFACTURING FACILITIES

OVER FORTY (40) YEARS ENGAGED IN EXCLUSIVE MANUFACTURE OF VOTING MACHINES.

OVER 23,000 OF OUR VOTING MACHINES ARE IN USE IN

OVER 3,500 CITIES, TOWNS AND VILLAGES IN 16 STATES FROM COAST TO COAST.

THE FACTORY AND EXECUTIVE OFFICES OF THE AUTOMATIC VOTING MACHINE CORPORATION, ARE LOCATED IN JAMESTOWN, CHAUTAUQUA COUNTY, NEW YORK. THE BUILDINGS ARE LOCATED ON THE MAIN LINE OF THE ÉRIE RAILROAD, AND ARE SUPPLIED WITH A PRIVATE SIDING FOR SHIPPING AND RECEIVING MATERIAL.

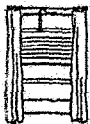
THE BUILDINGS CONSIST OF A FOUR (4) STORY AND BASEMENT "L" SHAPED BRICK STRUCTURE COVERING A TOTAL SPACE OF 70,000 SQUARE FEET.

AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE BUILDING, FURNISHING A MAXIMUM PROTECTION AGAINST FIRE.

ALL THE PARTS ENTERING INTO THE CONSTRUCTION OF THE VOTING MACHINE WITH THE EXCEPTION OF THE CASTINGS, ARE MANUFACTURED IN OUR OWN PLANT.

ALL THE STEEL PARTS ENTERING INTO THE CONSTRUCTION OF THE MACHINES ARE ZINC PLATED AFTER THEY HAVE BEEN MACHINED TO FINISHED SIZE. CURRENT FOR PLATING IS SUPPLIED BY A SEPARATE MOTOR GENERATOR SET. THE ENAMEL IS PUT ON THE MACHINES BY AIR BRUSHES WHICH INSURE AN EVEN, UNIFORM COATING. THE PARTS ARE THEN BAKED TO HARDEN THE SURFACE OF THE PAINT AND MAKE IT LESS EASILY SCRATCHED AND CHIPPED.

DURING THE PAST TWO YEARS THE PLANT HAS EMPLOYED AN AVERAGE OF THREE HUNDRED (300) EMPLOYEES.



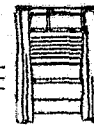
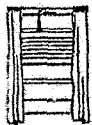
DIMENSIONS AND WEIGHT OF OUR SEVERAL STANDARD-SIZE VOTING MACHINES
ALL METAL HOIST TYPE

SET UP AND READY FOR VOTING

<u>CANDIDATE SIZE</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>HEIGHT</u>	<u>AREA REQUIRED</u>	<u>APPROXIMATE WEIGHT</u>
30	52 $\frac{1}{2}$ INCHES	43 $\frac{1}{2}$ INCHES	75 INCHES	16 SQUARE FEET	695 POUNDS
40	62 $\frac{1}{2}$ "	43 $\frac{1}{2}$ "	75 "	19 "	840 "
50	72 $\frac{1}{2}$ "	43 $\frac{1}{2}$ "	75 "	22 "	925 "
60	82 $\frac{1}{2}$ "	43 $\frac{1}{2}$ "	75 "	25 "	1,100 "

PACKED FOR STORAGE PURPOSES

30	52 $\frac{1}{2}$ INCHES	21 INCHES	52 $\frac{1}{2}$ INCHES	8 SQUARE FEET	695 POUNDS
40	62 $\frac{1}{2}$ "	21 "	52 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	840 "
50	72 $\frac{1}{2}$ "	21 "	52 $\frac{1}{2}$ "	10.57 "	925 "
60	82 $\frac{1}{2}$ "	21 "	52 $\frac{1}{2}$ "	12 "	1,100 "



STATES WHERE OUR MACHINES ARE LEGALIZED

OUR VOTING MACHINE HAS BEEN APPROVED, AND A
CERTIFICATE SHOWING SUCH APPROVAL IS ON FILE,
IN THE FOLLOWING STATES:

ARIZONA	MICHIGAN
ARKANSAS	MONTANA
CALIFORNIA	NEW JERSEY
CONNECTICUT	NEW YORK
FLORIDA	OHIO
ILLINOIS	PENNSYLVANIA
INDIANA	RHODE ISLAND
IOWA	TENNESSEE
KANSAS	TEXAS
MAINE	VIRGINIA
MARYLAND	WASHINGTON
MASSACHUSETTS	WISCONSIN

ACTIVE PATENTS OWNED BY
AUTOMATIC VOTING MACHINE CORPORATION

<u>PATENT NO.</u>	<u>D A T E</u>	<u>NUMBER CLAIMS</u>
1,363,885	DECEMBER 28, 1920	5
1,747,089	FEBRUARY 11, 1930	4
1,747,114	FEBRUARY 11, 1930	6
1,791,310	FEBRUARY 3, 1931	5
1,804,035	M A Y 5, 1931	10
1,850,873	MARCH 22, 1932	3
1,984,185	DECEMBER 11, 1934	2
1,948.660	FEBRUARY 27, 1934	3
1,948.661	FEBRUARY 27, 1934	<u>5</u>
		43

8288

8288

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
JAN 14 1938

Wm. H. ...
Secretary of State.