

The JENNEY SILO-FILLER HUSKER SHREDDER



The "NEW" JENNEY SILO - FILLER - HUSKER - SHREDDER



- 1st It will fill the silo like a regular silo-filler will do it.
- 2nd It will husk and save the corn and make silage of the fodder and water the dry silage with its own pump.
- 3rd It will husk the corn and shred the fodder like a shredder will do it.

Three Machines In One

Manufactured by
THE HALL MANUFACTURING COMPANY
CEDAR RAPIDS, IOWA

PREFACE

WE now present to you a catalog descriptive of the "New" Jenney Silo-Filler-Husker-Shredder. We say "new", because we have improved upon the original in so many ways, that we have practically made a machine new in every respect excepting the splendid principle embodied in the original machine.

For several years we have been building the original Jenney Silo-Filler-Husker, and our sales in the past seven years have gone far beyond our fondest hopes.

We have had our engineering department overcome the weak points that were prevalent in the original machine, and we feel now that in presenting the "New" Jenney we can say to the prospective buyer that he will find it the most complete, scientifically built, as well as the most durable machine of **any** kind or **any** make on the market today.

In making these improvements we have not stopped to count the cost. We have worked with an eye single only to efficiency and durability. All important bearings are now made of brass, or are babbitted. The husking rolls of the "New" No. 6 Jenney are driven with **two** heavy bevel pinions instead of **one** as formerly on the original No. 6 machine. The husking rolls on the "New" Jenney are so arranged that they cannot get out of time.

A metal-lined "slanting" hopper takes the place of the former trouble-making rolling feed table. The oiling system on the lower end of the husking rolls, and likewise on the lower feed roll, and on the snapping roll, has been improved wonderfully.

We have a new shredder head that goes with each "New" Jenney and likewise a corn-chute with which to simplify loading the ear corn at the machine.

We have an improvement on the cutter-bar which insures a cleaner, smoother cut. We have the new "improved steel" chain belts that drive the snapping roll and the various other parts of the machinery. We likewise operate the pump on the "New" Jenney with a chain-belt, which insures its pumping water to its full capacity.

We are publishing for free distribution a complete book of instructions for the care and operation of the "New" Jenney. We come to you with a new machine, newly built, improved, and complete, but having the same fine principle of the "original" Jenney Silo-Filler-Husker machine which never can be duplicated by any other manufacturing company.

Yours very truly,

HALL MANUFACTURING COMPANY.

Save Your Ear Corn with the "New" Jenney Silo-Filler-Husker-Shredder

Save your ear-corn—put the stover in the silo and the ear corn in the crib. Make all the stover on the farm into silage and save the ear-corn for more profitable purposes. Silage, either normal or stover—is a roughage—it is the bulky, filling part of the ration. Corn is a grain, a concentrate, and should be fed only to supplement the roughage when specially required.

When the ear-corn is in the silage it must be fed to all stock alike, whether they require it or not. If the ear-corn is put in the crib, it can be fed to those animals which may require it. To make stover-silage of all the dry corn-stalks, blades, and husks by the use of the "New" Jenney Silo-Filler-Husker-Shredder is a new way to **TURN WASTE INTO WEALTH.**

Stover has long been considered one of the wastes of the farm. It represents from 40 to 50 per cent of the value of the entire corn crop. The bold question that now confronts us is, "Can a progressive business farmer longer afford this shameful waste?"

This machine pays for itself the first year it is used; and the annual savings in cash, labor and feed thereafter will **far exceed** those produced by any other piece of farm machinery. Figure it out for yourself—estimate the saving in the ear-corn—the worth of all the stover as valuable feed in the silo—the saving in the labor-cost and other expense in gathering the corn and the great saving which comes by shredding the fodder in the fall, instead of feeding it from the shock, and consequently your increased profits derived from your entire corn-crop through your stock to which it is fed.

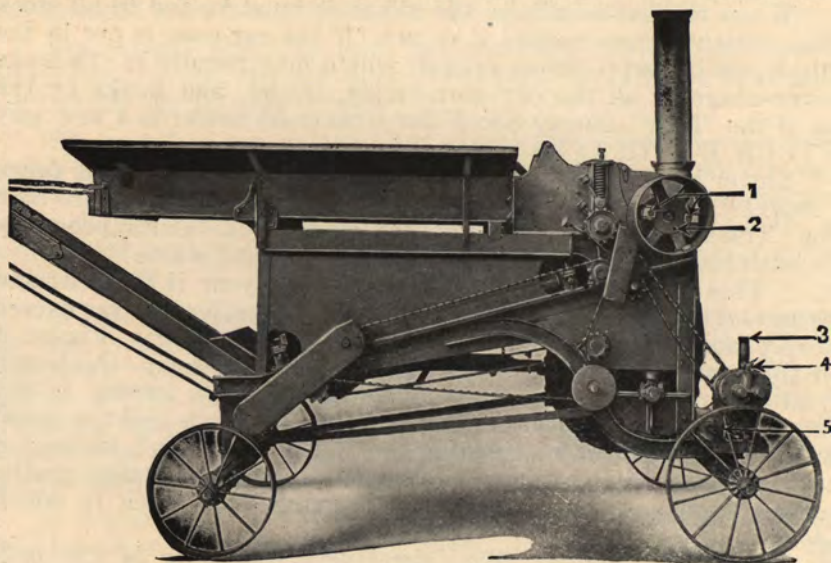
The "New" Jenney Silo-Filler-Husker-Shredder is the only machine of its kind manufactured. It puts into practice the great and laudable principle of conservation—it saves the ear-corn and converts the dry corn-stalk, blade and husk into a revenue, enabling the farmer to multiply the profits from his farm.

Stover silage cannot be made by the use of a common silage-cutter or a shredder. The "New" Jenney machine is the only machine that can successfully husk and separate the ears from the stalk and cut the fodder into silage, fill the silo and water the dry silage at one and the same operation. **No other** machine can successfully do it.

The "New" Jenney Silo-Filler-Husker-Shredder is a 20th century achievement that logically and conclusively solves the stover-silage problem. It snaps off the ears without mutilation, whether they be green, ripe, wet or dry. It delivers the intact ear-corn safely to the crib—while the stalks go through the cutter and are cut up into fine ensilage, which is then blown into the silo and watered by the "New" Jenney Rotary Pump at one and the same operation.

With this machine there is practically no need for any device or attachment for gathering shelled corn, because it performs the husking in a way that practically eliminates any mutilation of the ear. As a matter of fact, the husking is done almost as cleanly and carefully as could be done by hand. This is another exclusive and

distinctive feature found only in the "New" Jenney Silo-Filler-Husker-Shredder. When you buy this machine you get the complete equipment for doing the work of three different and distinct machines combined into one. It does work that no other husker, silo-filler or shredder has even been able to do. There are no duplicates of the "New" Jenney, because there are no other machines which can duplicate its performance. With any other machine such performance is a mechanical impossibility.



The "New" Jenney Silo-Filler-Husker-Shredder—showing pump chain drive belt.

No. 1—Shows the friction clamps.
No. 2—Shows the hole for the wood pin.

No. 3—Shows the nipple on which to attach the hose that goes over into the silo.

No. 4—Shows the valve by which the quantity of water going into the silo may be regulated.

No. 5—Shows the intake to which the pipe or hose leading from the water supply to the pump is to be attached.

Don't confuse the "New" Jenney with the present day husker or shredder. A shredder is a machine built to husk dry corn. It cannot possibly handle green corn or wet stover in any shape or quantity whatever. Thus, the ordinary husker or shredder cannot be used successfully in making stover-silage.

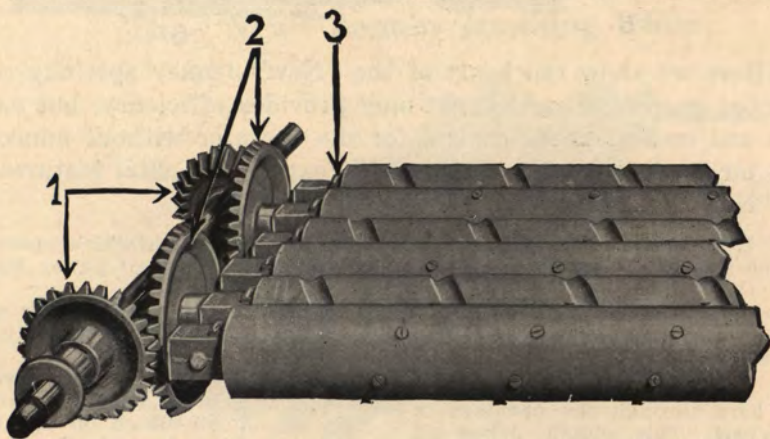
The "New" Jenney has no more relation to an old-fashioned husker or shredder than a modern threshing-machine has to a fanning-mill. A shredder cannot fill the silo any more than a silo-filler can shred fodder.

The proper mixing of the stover with water is an all important feature in the making of good stover-silage, and the "New" Jenney Silo-Filler-Husker-Shredder is the only machine which handles this detail in an efficient manner.

The ideas and principles of the "New" Jenney here advanced will undoubtedly cause many radical changes to be made in the old style shredder; but, it would be folly on the part of any farmer to invest money in an out-of-date machine which has been worked over simply to attempt to meet a modern need.

To appreciate the remarkable performance of the "New" Jenney, it must be seen in action. It is not a heavy jumbo type of machine, but, on the contrary, it is comparatively small. It is easy to operate and handles the corn in any condition irrespective of season or weather. It makes no difference whether the corn be green, wet, dry, loose or bundled, heavy or light.

The "New" Jenney is a triumph in modern engineering. It is a quality product in the broadest sense of the word and looks the part. It is practically fool-proof. Steel hoods and doors guard the knives and feed-rolls, thereby protecting the operator. All the main



No. 1—Shows shaft driving pinions made permanent to the counter-shaft.

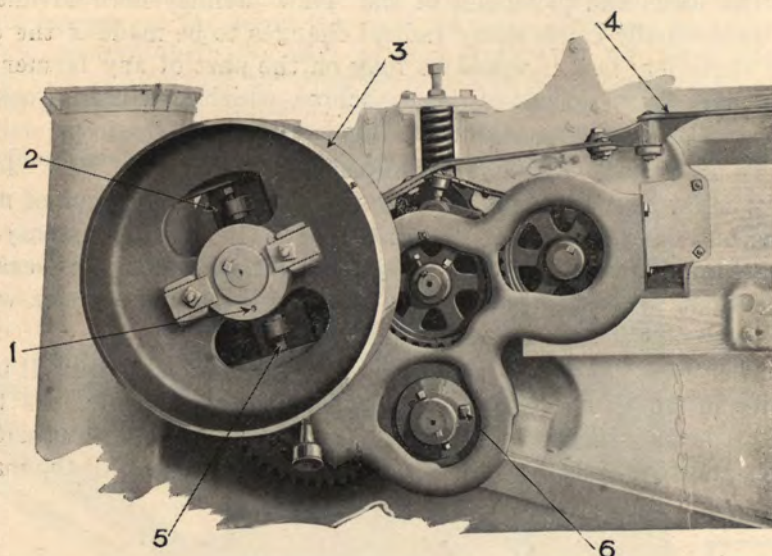
No. 2—Shows large roll drive pinions which are attached permanent-

ly to the drive rolls and by which the husking rolls are driven by pinions No. 1 as above shown.

No. 3—Shows oil hole in upper end bearing for lubricating oil.

bearings of the "New" Jenney are made of brass, or are babbitted, and are of the loose type that can be taken out and replaced if ever necessary. Grease cups are provided as well as oil-holes which are easily accessible. Any part of the machine can be lubricated without cutting off the power.

The "New" Jenney is constructed to withstand stress, strain, and severe service. Instead of having only one bevel-drive pinion on the husking rolls on the No. 6 machine as formerly, we now have two bevel-drive pinions, adding at least 50 per cent efficiency to the operation of the rolls.



Here we show the heart of the "New" Jenney specially constructed gear-drive, which not only provides efficiency, but safe, sane and instantaneous control for the operator without unnecessary jar or strain on the machine. We explain the vital features of the "New" Jenney Gear Drive as follows:

No 1. This hole provides for a wooden shear-pin which will indicate when the friction grip is slipping. When the wood pin shears off the operator will know that the friction grip on the hub is not holding.

No. 2. The friction-clutch can be seen here through the openings in the wheel. This clutch drives all working parts of the machinery except the knife cylinder and blower.

No. 3. The clutch which operates on the inner flange of pulley No. 3 and drives the blower.

No. 4. The hand-lever which controls the clutch placed directly in front of the operator.

No. 5. Clutch adjusting screws provided to take up slack or wear.

No. 6. A pin-clutch on countershaft by means of which the entire husking mechanism can be disconnected when the machine is to be used as a silo-filler only.

It will be noted that the pulley has two "grip-buttons" held in place by bolts. This is a part of the "New" Jenney "Special" Safety Pulley. The pulley is **not keyed** to the shaft as most pulleys are, but, instead, it is mounted on a flange-hub and attached to the hub by means of the "grip-buttons". These buttons are so arranged as to have a "frictional grip" on the flange of the hub. The hub itself, to which we refer, is keyed tightly to the shaft. This invention insures safety against the destruction of the machine or blower in case a pitch-fork, or wagon-standard, or other obstruction should get into the knives or into the blower, in which case the "friction grip" on the hub will instantly slip around the "grip flange" of the hub and continue to do this until the power is shut off. In this way the machinery is saved from destruction which would not be the case if the pulley were permanently keyed to the hub.

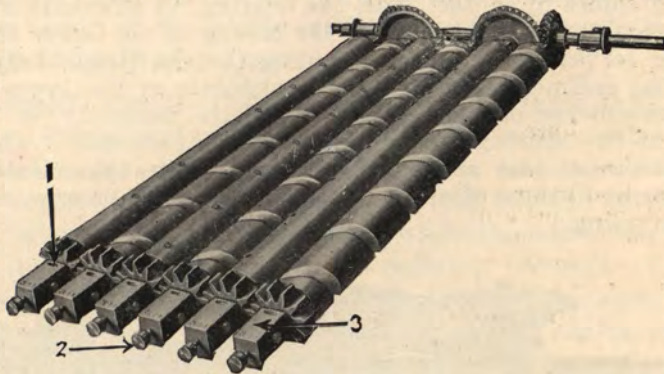


The "New" Jenney Cutter-Plate showing Cleaner-Plate attached.

We here show the "New" Jenney Cutter-Plate which is the latest improved cutter-bar made. There is a cutter-plate or ledger-plate against which the knives shear which is a soft steel bar faced on both sides with hard tempered steel plates, as can be seen plainly in the picture. This top steel plate has four cutting-edges (two edges to each side of the top steel plate) and they can be reversed so as to provide a new sharp cutting-edge in a few minutes.

There is also a hard spring-steel cleaner-plate which fits tightly against the lower feed-roll to keep the roll clean and prevent winding. This cleaner-plate is attached to the cutter-plate bar by means of bolts as can be seen in the picture.

The "New" Jenney Husking Rolls

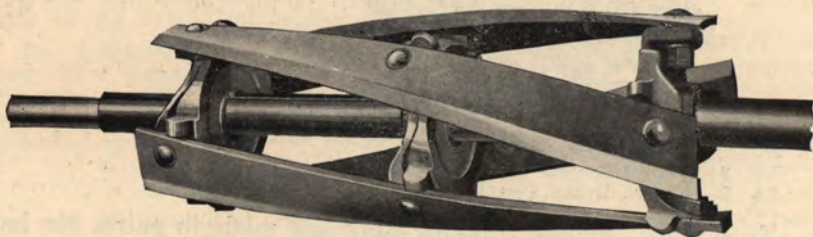


- No. 1—Shows lubricating oil hole.
No. 2—Shows Grease Cup for hard oil.
No. 3—Shows Brass Bearing.

The "New" Jenney Husking-Rolls are made in pairs, one having a spiral groove running its full length, and its mate having pickers which likewise run its full length, which correctly register or fit within the grooves as they revolve together. This groove serves two purposes; one is to provide a clearance for the pickers so they will not strike and become injured; the other is to remove the "nubbins".

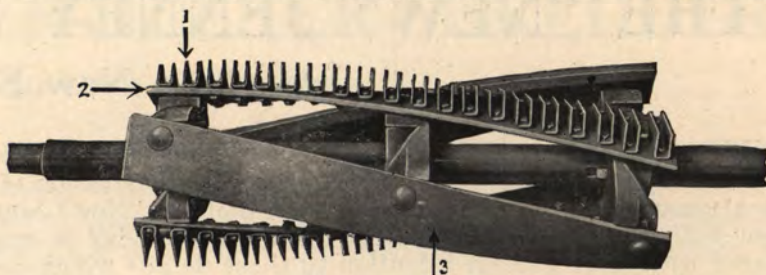
With most makes of husk-rolls the little "nubbins" get between the rolls, and if not removed promptly all the other ears are held up by it and cause delay and trouble. It is not so with the "New" Jenney Husking-Rolls. The instant a "nubbin" gets between them, the spiral groove screws it down to the lower end of the rolls where it is destroyed by the action of the rolls and guards

or dumped into the corn elevator and carried out into the wagon. The "New" Jenney Husking-Rolls are the only ones ever designed which will do this. On the No. 6 machine these rolls are now driven by two bevel-drive pinions instead of one as formerly, adding at least 50 per cent more efficiency to their operation. This improvement lessens by one-half the strain upon each pinion and drive-roll to which the pinion is attached, and also lessens the pull on the engine. It likewise insures a more even, steady movement of the rolls. We have an arrangement now that will prevent the husking-rolls of the "New" Jenney from getting out of time. Both the upper and lower ends of the "New" Jenney Husking-Rolls are equipped with brass bearings. You will note in the picture that the lower end bearings of the husking-rolls are "thimble type" with a hard oil-cup arranged in the center of the lower end of the bearing. This makes it easier and more convenient for the operator to oil them. The bearing is also provided with an oil-hole near the open end of the bearing for lubricating oil. This new arrangement of oiling these bearings will prove far better in every respect than the open bearing. The constant "outward" pressure from the oil cup forces the oil outward to the open end, carrying out any sediment that may be in the hard oil or otherwise, and at the same time discharging sufficient hard oil at the point where the shoulder of the husking-roll gearing comes in contact with the bearing, to eliminate all danger of friction at this point. Thus, the oil-cup at the lower end of the bearing serves three purposes—oiling the shafting—carrying outward the sediment—and oiling the shoulder of the lower gearing. The convenience of these oil cups, and the necessity of frequent oiling of the bearings due to the heavy strain under which they labor makes it easy and convenient as well as essential for the operator to oil them often and he should never have any trouble for want of oiling.



The "New" Jenney Knife-Arbor.

The knives of the "New" Jenney Knife-Arbor are of special cylinder design, being made with a long shear. There are four knives on the cylinder which makes a standard cut of $\frac{1}{2}$ ". They run easily and cut without pounding. They are ground to perfection before leaving the factory and can be reground without changing the adjustment. To insure accuracy and strength the knife cylinder is mounted on an extra heavy shaft and runs in heavy babbitted bearings $5\frac{1}{2}$ " long. Adjustment of the knives in relation to the cutter is made by means of the main bearings which are made to operate forward or backward, as may be desired, by bolts and set screws.



The "New" Jenney Shredder-Head.

No. 1—Shows Shredder Bar Teeth.

No. 2—Shows Shredder Blade.

This Shredder-Head is our own special design. The shredding-bars are identical in form to the knife-blades. The shredder double "section teeth" are made in sections of two teeth to the section and each tooth shaped a little similar to that of a moving blade section. They are bolted in place on the bar with two bolts which go through the back or "seat" of the double section and pass through the bar and are bolted tightly on the opposite sides.

The complete shredder-head carries one shaft, three knife head castings, two knives, and two shredder-bars. When the teeth of the shredder-bars barely miss the cutter-plate, the knives will then miss it by about one-fourth of an inch. In this way the knives, so to speak, "shave" the stalks one way, while the shredder teeth "split" or strip the opposite way, thus reducing the stalk to complete shreds. These teeth do not tear the fodder into such tiny particles as do some shredders, because the fodder can be drawn through between the knife-blade and the cutter-bar by either the teeth or knife blades without greatly injuring it. This shredder-head is made in two sizes only. No. 4 and No. 6. The castings, two blades, two shredder-bars with the teeth attached, mounted upon the shafting, come to you ready for use. The section-teeth are all alike and may be used on the shredder-bars of either machine.

The results obtained by this construction of the knives and shredder blades as shown above are important. In the first place the long, hard, pithy stalks, so often found in ordinary shredder fodder, are entirely cut up into SMALL pieces, making it easy to digest and assimilate.—You have no waste to care for.

The fodder cut with the "New" Jenney type of head makes perfect bedding.

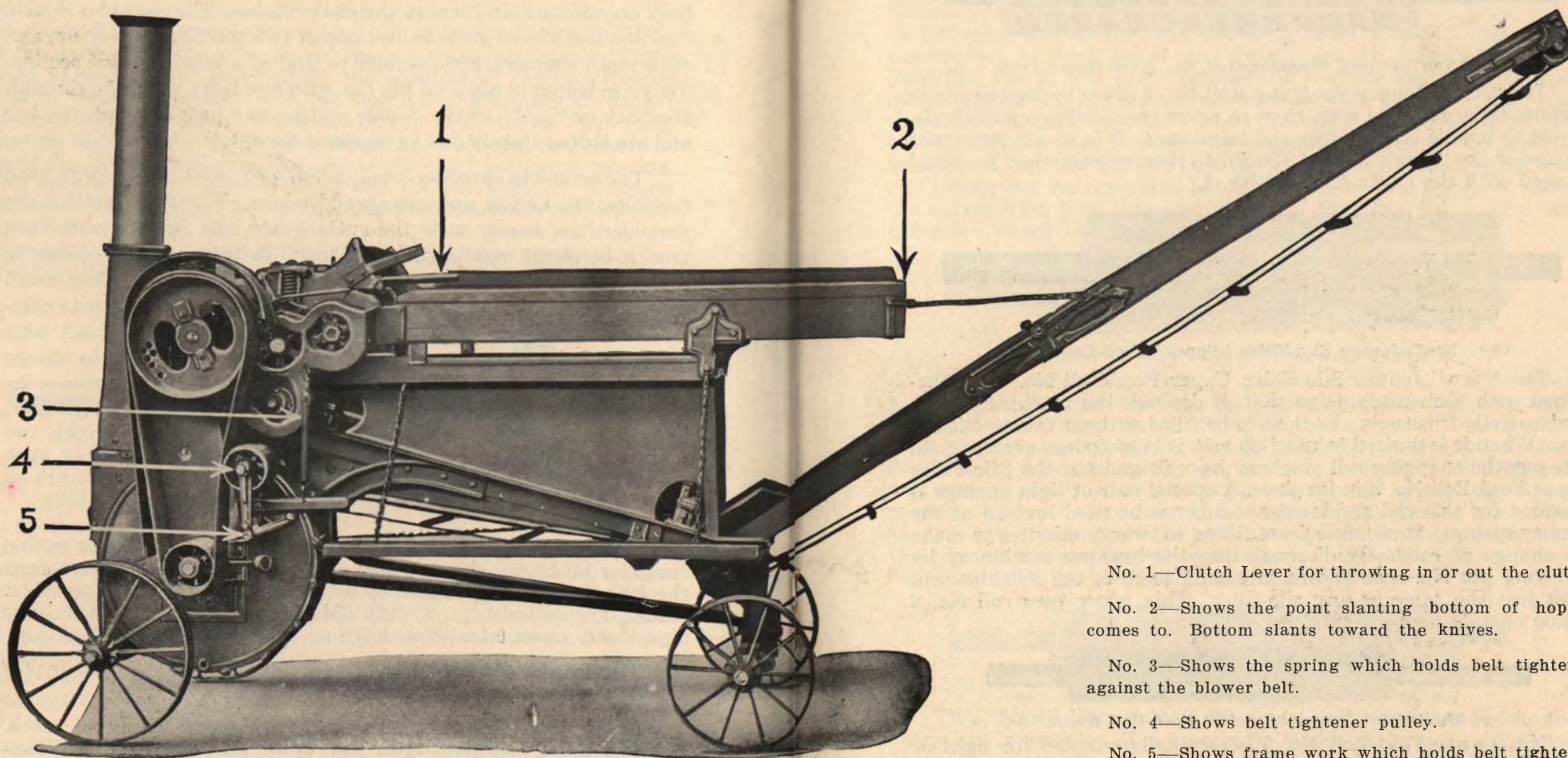
These facts should interest every thinking feeder of stock. Consider them, and investigate the "New" Jenney Silo-Filler, Husker-Shredder further.

THE "NEW" JENNEY SILO-FILLER-HUSKER-SHREDDER

Marks a New Era in Modern Up-to-Date Farming

HERE we show a near view of the "New" Jenney Silo-Filler-Husker-Shredder which affords an excellent illustration of its general construction. It can be plainly seen that the "New" Jenney is now built for dependable service. No machine today is manufactured with more careful attention to those details which count for mechanical efficiency than is the "New" Jenney. It is being built with an eye solely to the two supreme requisites, EFFICIENCY and DURABILITY.

The "New" Jenney Silo-Filler-Husker-Shredder is manufactured and assembled in its entirety under one roof by an organization of trained mechanics, possessing years of experience in the production of the most improved type of farm implements, and is tested under the personal supervision of an expert mechanic, and guaranteed by a concern which enjoys the confidence and high respect of the best farmers.



No. 1—Clutch Lever for throwing in or out the clutch.

No. 2—Shows the point slanting bottom of hopper comes to. Bottom slants toward the knives.

No. 3—Shows the spring which holds belt tightener against the blower belt.

No. 4—Shows belt tightener pulley.

No. 5—Shows frame work which holds belt tightener to blower casing.



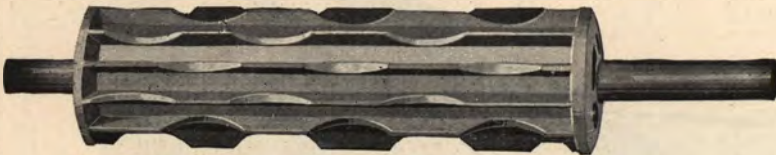
The "New" Jenney Lower Feed-Roll No. 1.

This Lower Feed-Roll No. 1, as illustrated in the cut above, is designed for use in medium-to-heavy corn. It is designed more especially to draw large heavy corn stalks through between itself and the snapping-roll, the longitudinal grooves being large enough to grip the large corn stalks and at the same time not mutilate the large ears. The snapping-roll shown below is the best one to use above this roll and to work against it, being held down by two heavy springs.



The "New" Jenney Snapping-Roll No. 2 for Heavy Corn.

The "New" Jenney Snapping-Roll No. 2 gives better service in medium-to-large-eared corn than in small corn, being specially designed to handle large stalks and large ears. It is an all important feature of the "New" Jenney Silo-Filler-Husker-Shredder. It should be used with the lower feed roll No. 1.



The "New" Jenney Silo-Filler "Upper" Feed-Roll No. 3.

The "New" Jenney Silo-Filler Upper Feed-Roll No. 3 is furnished with each machine so that, if desired, the machine can be used as a silo-filler only and the silo be filled without taking out the ears. When it is desired to use this roll, it is of course necessary to take out the snapping-roll you may have in and put the Silo-Filler Upper Feed-Roll No. 3 in its place. A special pair of light springs is provided for this roll and must at all times be used instead of the heavier springs. It requires from fifteen to twenty minutes to make the change of rolls. By disconnecting the husking machinery by removing pin No. 6 as shown in cut on page 6, the machine will work just the same as any silo-filler. This upper feed roll No. 3 should operate above lower feed roll No. 1.



The "New" Jenney "Special" Feed-Roll No. 5.

This Lower Feed-Roll No. 5 is especially adapted for light or small corn such as is grown in many parts of the southern, and also

in some parts of the northern states. We have testimonials from owners of machines who have used this "Special" Lower Feed-Roll who testify that it has given perfect satisfaction in medium-to-light corn. Some go so far as to say that they have used it in snapping pop-corn with good results. We do not vouch for this roll as being all that would be desired in husking pop-corn; but from the reports of those who have used it for that purpose, we believe that it is the most satisfactory feed-roll yet devised for small corn. The snapping-roll No. 7 as shown below is used above this lower feed roll No. 5 and works against it, being held down by heavy springs. It is necessary **at all times** to use the heavier springs when wishing to **snap the corn clean**.



The "New" Jenney "Special" Snapping-Roll No. 7.

The "New" Jenney "Special" Snapping-Roll No. 7 is especially designed for light or medium corn. The grooves are cut 5-16" deep by 7-8" wide and the bars are spaced $\frac{1}{4}$ " around apart. This roll is constructed to work above our "New" Jenney "Special" Lower Feed-Roll No. 5. We have testimonials showing that this roll has given satisfaction in sections where small corn is grown; and, like the "New" Jenney "Special" Lower Feed-Roll, No. 5, we have had several farmers give it praise for snapping pop-corn. We wish it understood that we are not putting these rolls forth as being specially designed for pop-corn; but we mention these things to show the satisfaction that they are giving in snapping small corn, the thing for which they were actually designed.



The "New" Jenney "Rapid" Snapping-Roll No. 8.

This "New" Jenney "Rapid" Snapping-Roll No. 8 is designed to be used only when husking the corn and filling the silo with stover-silage. We use the word "rapid" to distinguish it particularly from the other types, because it will snap much faster than either of the other snapping rolls, but not nearly so clean. This roll will come in handy with the farmer who wants to save the larger part of the good large ears and is not very particular about the shelled corn or a part of the medium ears and nubbins going into the silo. This snapping-roll should be used above the No. 1 Lower Feed-Roll with the heaviest snapping-roll springs.



The "New" Jenney 30-70 Snapping Roll No. 9.

This "New" Jenney 30-70 Snapping Roll No. 9 is a design got out at the suggestion of a prominent Michigan farmer near Grass Lake. Since we have begun to manufacture it, we find it in great

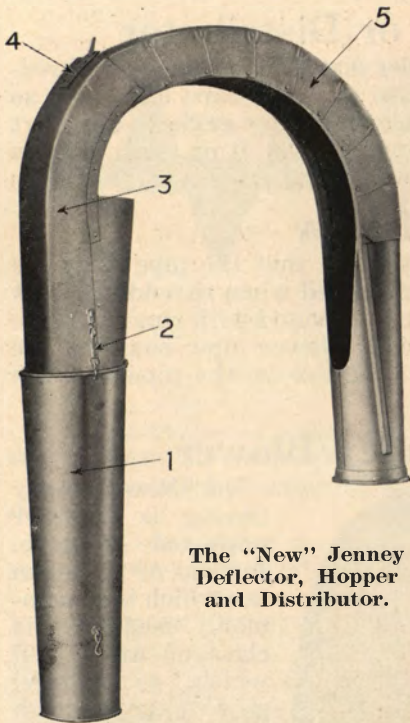
demand with that class of farmers who want to save the larger part of their corn from the silo and yet be doubly sure that some of it goes into the silage with the fodder. This snapping roll fills this demand to a "T". We dub it the 30-70 snapping roll because of the fact that it permits about thirty out of every hundred ears to go into the silo. The part of the rolls showing the "bars" takes all the corn through the knives into the silo, while the part of the roll showing the "grooves" snaps it off clean.

This "Rapid" Snapping Roll No. 8, or the 30-70 Snapping Roll No. 9 should be used with the Lower Feed Roll No. 1 and the heaviest springs as this lower field roll has a deeper groove and therefore is capable of carrying the feed through faster, and will prove more satisfactory when using either the No. 8 or No. 9 snapping roll.



The Corn-Chute

This is a device in the form of a trough, wider at the lower end than at the upper end, and is connected to the corn elevator at the upper end. This chute swings outward away from the belt and in this way enables the driver to load his wagon without backing it too near the engine belt. It will be helpful in a case where the team is a little inclined to be afraid. This chute makes loading much easier as by its use the driver is enabled to back his wagon to a point where the chute will begin delivering the ear corn in the front end of his wagon bed, and then by stepping the team forward occasionally he can load up without having to pitch the corn from one end of the wagon-bed to the other, as is the case with most styles of shredders. This chute is light, being made of metal and is very easily connected to the upper end of the elevator when ready for operation, and is very easily disconnected when ready to move.



The "New" Jenney
Deflector, Hopper
and Distributor.

DEFLECTOR

We here illustrate the "New" Jenney Pipe, Deflector, and Sectional Distributor, made of the very best material. This full equipment includes 31½ feet of straight or blower pipe, which, including the height of the machine itself, and the length of the deflector, will reach 38 feet from the ground. There are also ten pieces of sectional distributor pipe furnished with each machine.

The blower pipe is made in regular lengths of 1½ feet, 3 feet, 4 feet, 5 feet, 8 feet and 10 feet. If your silo is over 38 feet high, we will supply any amount required for the difference between 28 feet and the height of your silo at the list price.

To give you a better understanding of the construction of the "New" Jenney Deflector we point out the principal qualifications as follows:

No. 1—This is the first section of the "New" Jenney Flexible Distributor made up in 3-ft. sections and is well bound at the rims.

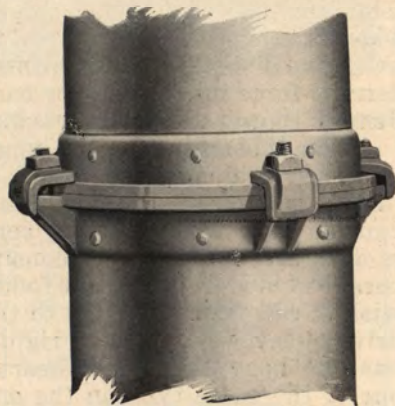
No. 2—Sections are connected by means of spring closing halter-snaps. No danger of their becoming unhooked.

No. 3—Hopper. Strong and reinforced.

No. 4—Swinging hinge which makes a safe and rigid connection.

No. 5—Deflector, reinforced with strong angle-irons and self-supporting, and will carry the weight of the distributor without any danger of buckling.

The pipe connections shown in the illustration are used on all the "New" Jenney Silo-Filler-Husker-Shredders and consist of two heavy malleable iron rings held together by means of clips and bolts. Under every clip is a lug on the lower fange-ring on which the clip bears for support and through which the bolt passes. The upper ring has a flange on which the clip rests. When the bolts are slacked the pipe may be turned around under the clips. This makes a strong, straight pipe which will not slide together or come apart at the joints.



Straight, or blower pipe

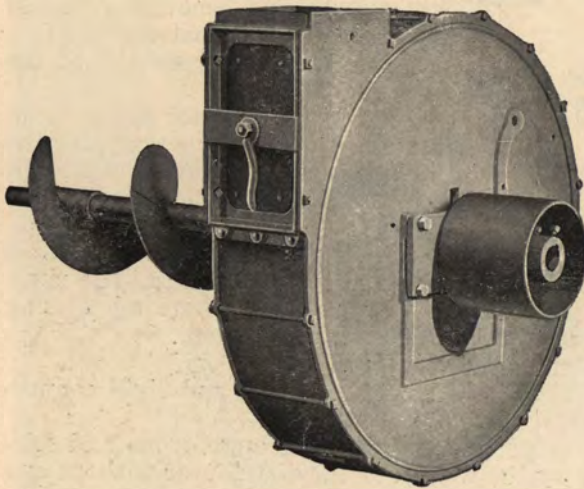
Dry Fodder Hood or Distributor

We furnish a "hood" or dry fodder distributor for use in shredding and blowing the shredded fodder into the barn loft. It is so constructed that the fodder can be blown at any angle to any part of the loft, saving the labor of having to carry it or pitch it from one point to another.

Flexible Elbow

This Flexible Elbow is so constructed that the pipe may be angled into the barn loft at the angle desired when shredding. It is made of the best grade of 22 gauge metal, bound with rings of same weight that are put on our straight or blower pipe, enabling the operator to place it anywhere he may desire on the pipe between the bottom and the top.

The "New" Jenney Blower

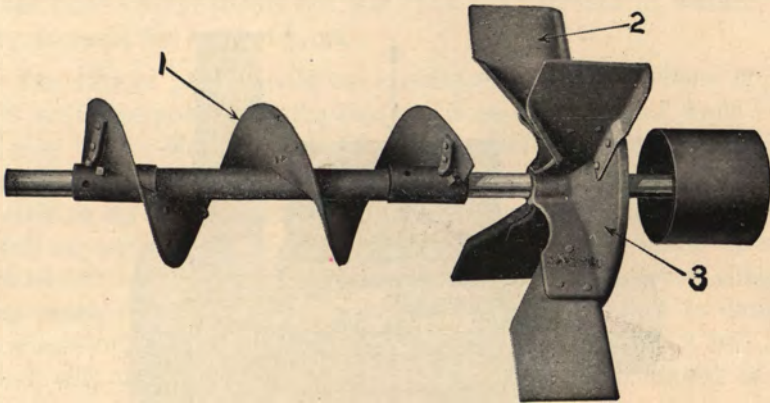


"New" Jenney Improved Blower

The "New" Jenney Blower is another improved feature. Instead of the open fan which is so commonly used for this class of work and which, as a rule, gives so much trouble, the "New" Jenney Blower is of the heavy "disc" type provided with vanes. The cut stover enters the blower through an intake exactly opposite the center and goes directly against the disc.

Thus, instead of allowing the cut stover to "bank" against the blower casing and rub between the fan vanes and the blower casing, acting as a "brake" to retard its speed, it catches and blows it with terrific force into the silo or barn loft. The above cut of the "New" Jenney Blower shows the casing in which the blower operates.

The illustration on the opposite page shows the disc, the vanes, and the spiral conveyor, which delivers the cut stover to the opening in the blower. Whereas the blower on the ordinary shredder is capable only of handling dry corn-fodder, the "New" Jenney Blower is designed and strongly constructed so that it will handle green corn, wet stover, or dry cut fodder with the utmost satisfaction. We wish to call your attention to the spiral conveyor, the disc, and the drive pulley, which are all rigidly mounted on a heavy shaft which has one heavy babbitted bearing on the case of the blower, and one of the same type on the opposite end, thus insuring even distribution and perfect alignment.



No. 1—The spiral conveyor mounted on the blower shaft which drives the cut silage into the blower.

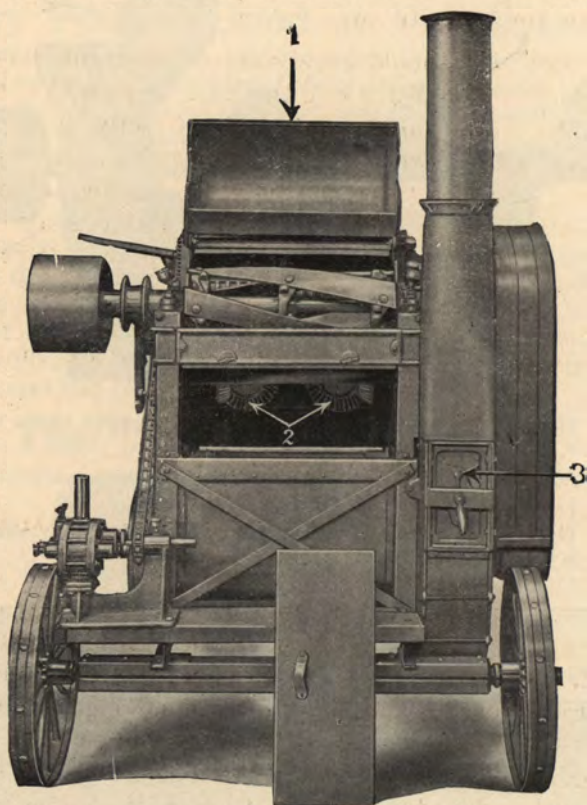
No. 2—The fan-blades, made of heavy boiler-plate, securely riveted to the disc.

No. 3—The disc of the fan, so constructed that the cut silage does not come in contact with blower case.



There are fully eight million acres of corn stover allowed to go to waste in the State of Iowa every year, which is equal to eight million acres of timothy hay.

Theodore Roosevelt once said: "Thrifty persons do not waste time, money or MATERIALS. Extravagance rots character. On the other hand, the habit of saving money, while it stiffens the will, also brightens the energies. If you would be sure that you are beginning right, begin to save."



Rear view of the "New" Jenney Silo-Filler-Husker-Shredder showing Rotary Pump in place on machine, and also the Knife-Arbor and Double-Bevel-Gearing on Husking Rolls.

No. 1—Shows knife arbor hood drive pinions, all of which operate lifted up to show the knives. the husking rolls.

No. 2—Shows the position of the countershaft pinions and the roll No. 3—Hand hole door to blower.

The "New" Jenney Rotary Pump shown here is a part of the regular equipment of the "New" Jenney Silo-Filler-Husker-Shredder and is fitted to the machine before it leaves our factory.

We do not supply either the rubber hose or the iron pipe necessary with the machine. In connecting up and getting the pump into operation, the operator should follow carefully the instructions given in the regular instruction book which comes with the machine as to the best and safest plan for obtaining the best results.

The iron pipe or rubber hose that conveys the water from the pump to the silage should be carried over the top of the silo and down to the hands of the man handling the distributor pipe. This

rubber hose should throw not less than a 1" stream of water. The pump is made for 1 $\frac{1}{4}$ " stream.

The intake pipe should be absolutely air-tight where it connects with the hose, and likewise the hose or pipe that leads from the pipe to the water supply should be perfectly air-tight. Otherwise the pump will not work at full capacity, because when a pump is catching air between itself and the water supply, it cannot pump its full capacity. The "New Jenney Rotary Pump is belted up with a chain-belt before the machine leaves the factory. When silage is being made from dry corn fodder it is very important to dampen the silage sufficiently so that it will ferment properly. A one inch stream will provide enough water, although a greater supply can do no damage.

Specifications of

The "New" Jenney Silo-Filler-Husker-Shredder

Every machine is belted up and tested before leaving the factory. All grease cups are filled, and all bearings using lubricating oil are oiled, and all parts are properly adjusted, thus insuring the perfect operation of all parts. Full directions of how to set up and operate, and otherwise care for the machine, given fully in our instruction book will be sent to each purchaser. The "New Jenney Silo-Filler-Husker-Shredder is built in only two sizes as herein specified:

Number Four

Husking Rolls—4
Shipping weight, with pipe, etc.—
3050 lbs.
Width of throat—20".
Length of knives—20".
Width of feeding hopper—24".
Speed of main arbor—650-725 R.
P. M.
Horse Power required—10 h. p.
steam or a 16 h. p. gas engine,
minimum in dry corn. 12 h. p.
steam or 20-22 h. p. gas engine,
minimum in green corn.
Husking capacity—25 to 70 bu. per
hour, depending altogether upon
the quality of the corn, its condi-
tion for husking, and the efficient
handling of both corn and ma-
chine.
Green-corn filling capacity—6 to 12
tons per hour, depending upon the
corn, the power, and efficient
handling.

Number Six

Husking Rolls—6.
Shipping weight, with pipe, etc.—
3200 lbs.
Width of throat—26".
Length of knives—26".
Width of feeding hopper—30".
Speed of main arbor—650-725 R.
P. M.
Horse power required—12 h. p.
steam or a 20 h. p. gas engine,
minimum in dry corn. 15 to 18 h.
p. steam or 25-30 h. p. gas engine,
minimum in green corn.
Husking capacity—30 to 90 bu. per
hour, depending altogether upon
the quality of the corn, its condi-
tion for husking, and the efficient
handling of both corn and ma-
chine.
Green corn filling capacity—10 to
15 tons per hour, depending upon
the corn, the power, and efficient
handling.

Equipment

Each machine is shipped complete, mounted on steel trucks and fitted with the well-known Hall Steel Tongue.

The regular equipment consists of the Rotary Pump without iron pipe or rubber hose; corn chute; deflector; hopper for deflector; distributor bucket or first section joint; ten pieces sectional distributing pipe; 31½ feet straight or blower pipe, which, with the deflector and the height of the machine, will reach 38 feet from the ground; flexible elbow. Rolls No. 1, 2, and 3 are fitted with the proper sprockets. Two heavy springs are furnished for Rolls No. 1 and 2, and a pair of light springs for rolls No. 1 and 3.

Rolls No. 5, 7, 8, and 9 are special equipment and are not included in the purchase price of the machine. We will however, be glad to substitute any rolls so as to make up the proper working set for customers in any locality.

One complete shredder head; one steel pinch bar for inserting the snapping roll springs; one special steel wrench for knife, and shredder head bolts; one corn chute for upper end of corn elevator; one blower belt; one corn elevator web; and one husk web. (Note: The blower belt and husk web are put on the machine at the factory.)

When shipped in carloads the machines are knocked down, but this consists only in taking off the wheels, the corn elevator and feeding hopper and table. The machine in its entirety can be set up, ready for the road in a few minutes.

A full and detailed description of all the parts of the machine and all instructions for its operation and its care will be furnished to the purchaser, together with all necessary instructions and suggestions as to the best methods of making and preserving stover silage. Price lists are issued as often as the change in prices may demand and will be furnished upon application.

HALL MANUFACTURING CO.
Cedar Rapids, Iowa

