ready to put in each nuclei. If, however, you are getting only one queen, divide your hive in about half, giving the new hive capped brood to the extent of about half that is in the hive. Introduce your new queen to this and by fall you will have two strong colonies. You could make nuclei at this time of the year of two frames of capped brood and sufficient number of bees to cover it, provided you had a new laying queen to introduce to each. As you are getting one queen, however, divide the hive in half as above. In a week's time you can get another queen and you could still make another hive by dividing each equally again. Force breeding as much as possible between now and the end of September and then be sure to feed up well for winter with sugar syrup made from two parts of sugar to one of water.—Ed.]

GASOLINE ENGINE FOR EXTRACTING.

As a reader of the C. B. J., will you tell me if any bee-keepers are using the gasoline engine for extracting, and how do they like it; and are they running the belt from the engine to the extractor, or if they have a counter shaft with a loose pulley so that one can reverse the combs in the basket without stopping the engine. Would like to be enlightened as I am thinking of getting 1 h.p. engine to make my bee hives and do the extracting. Could send the item through the columns of the journal.

A. BLAIS.

Reply by Dennis Nolan.

The style of extractor I use works better in reversing the baskets, to reverse the motion of the reel. In order to attach the engine to the extractor, you require a set of counter shafts.

If you are using your extractor in only one yard a set of shafts can be set up on any place in the building. If you are moving your extracting outfit around to different apiaries you will need a set of shafts made in a sort of jack style.

I use a home-made set, which were made by setting two 2 inch maple planks, 3 feet long, by 12 inches wide, placed parallel to each other, 10 inches apart. Two ⅝ steel shafts go through and project at each side far enough to take a pulley 1¾ inches thick. The belt from the engine attached to the pulley on the other. The diameter of these two pulleys would have to be determined by the speed of the engine, and the size of the pulley on the engine and extractor. On the centre of the shaft next to the engine a permanent pulley 7 in. diameter and 6 or 7 in. wide, upon which runs two belts to the next shaft with two loose or idle pulleys on either side of a fixed pulley; these pulleys are 7 in. in diameter and 1¾ in. wide.

One belt being straight and the other crossed will give the different motions required, by having a belt shifter attached to each belt which can be moved on or off the centre pully giving the different motions to extractors requiring such.

With this attachment it is not necessary to stop the engine as long as you have the combs ready to keep your extractor running.

[Our thanks are due to Mr. Nolan for kindly answering the above enquiry.—Ed.]

NOVEL SCENIC FEATURE.

Battle Between Airship and Dreadnought at the Canadian National.

They're anticipating history at the Canadian National Exhibition this year where they will produce as one of the big features of the fireworks spectacle a battle between an airship and a dreadnought. The monsters of the sea and air advancing from different sides of the arena will meet in a terrific fight in which the dreadnought is sunk and the airship finally blows up. It's something entirely new in fireworks and as spectacular as it is novel.

SPRING FEEI

Mr. Byer Has Doubts as t

As a rule it is much r
tell of our successes than
of our failures, and for t
haps we often fail to pr
perience of others, as s
are not apt to be given
might bring ridicule to t
them. Not being exce
skinned, the writer of th
inclined to relate somewha
experiences of the past spr
it concerns the vital prol
the bees in the very best c
honey flow. While there
among bee-keepers usually
the spring feeding of bee
the past season we were
unit in the matter,
us who are opposed
tice found ourselves un
ful necessity of feeding.
allowing them to starve.
onies like most bees this y
strong all through the ear
season—so strong, in fact,
270 of them with the sup
fruit bloom opened. Just
of May, my good wife a
iously considered how we v
to take off the fruit bloom
seemed almost a possibil
looked over the immense
the great showing of fruit
all at once the weather tu
stayed bad continually til
15th.

Bees had been short of
along, although going into w
very heavy last fall. Up to
tioned sufficient had come i
bees going, and now (altho
with considerable apprehens
brood chambers), I thoug
panacea (?) for all spring
feeding syrup—would brin
through into the promised l
ingly the programme was